

The University of Maine

DigitalCommons@UMaine

General University of Maine Publications

University of Maine Publications

1942

University of Maine, Orono, Maine, Catalog Number with Records of the Sessions of 1941-42

University of Maine, Office of Student Records

Follow this and additional works at: https://digitalcommons.library.umaine.edu/univ_publications



Part of the [Higher Education Commons](#), and the [History Commons](#)

Repository Citation

University of Maine, Office of Student Records, "University of Maine, Orono, Maine, Catalog Number with Records of the Sessions of 1941-42" (1942). *General University of Maine Publications*. 101.
https://digitalcommons.library.umaine.edu/univ_publications/101

This Monograph is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in General University of Maine Publications by an authorized administrator of DigitalCommons@UMaine. For more information, please contact um.library.technical.services@maine.edu.

THE MAINE BULLETIN

Vol. XLIV

MARCH 20, 1942

No. 11

University of Maine Orono, Maine



Catalog Number with Records of the Sessions of 1941-42

Announcements for the Sessions of 1942-43

THE UNIVERSITY PRESS
ORONO, MAINE
1942

TABLE OF CONTENTS

	PAGE
Calendar	6
Officers of the University	
Board of Trustees	8
Officers of Administration	9
Faculty	14
Faculty Committees	42
General Information-Facilities of the University	43
History	43
Location	44
Organization of the University	44
Buildings	46
Athletic Fields	49
University Farms	50
The Library	50
The Art Collection	51
Scientific Collections	52
University Publications	53
Placement Bureau	54
Teachers' Registration Bureau	54
Dormitory Rooms	54
Health Service	55
Use of Laboratory Apparatus	55
Registration	55
Grading System	56
Degrees	57
Degrees with Distinction and with Honors	57
Notices to Parents	58
Student Regulations	58
Student Activities	59
Church Services	63
Admission	64
Admission to the Freshman Class	64
Entrance Examinations	65
Unit Requirements for Admission	65
Admission of Special and Short Course Students	66
Admission by Transfer	66

149124

Financial Information	67
Student Expenses	67
Loan Funds	70
Scholarships	73
Prizes	81
College of Agriculture	85
General Information	85
Curricula	86
Two-Year Course	112
Short Courses	113
The Extension Service	114
Departments of Instruction with Courses	116
College of Arts and Sciences	150
General Information	150
Specimen Curricula	155
Departments of Instruction with Courses	162
School of Education	211
General Information	211
Courses	217
College of Technology	221
General Information	221
Departments of Instruction with Courses and Curricula	224
Maine Technology Experiment Station	259
General Courses	260
Tutorial Honors	260
Military Science and Tactics	260
Physical Education and Athletics	263
Graduate Study	270
Maine Agricultural Experiment Station	275
Summer Session	278
Extension Courses	279
Alumni Associations	280
Honors and Prizes Awarded, 1941	286
Commencement Program, 1941	294
Degrees Conferred, 1941	295
Catalog of Students, 1941-1942	315
Summer Session Students, 1941	375
Summary of Student Enrollment	396
General Index	399
Index for Courses, Curricula, and Departments	402

CALENDAR FOR 1941-42

Fall Semester

		1941
Entrance Examinations	Monday, Tuesday	Sept. 8, 9
First day of Freshman Week, Registration	Wednesday, 8-12 M., 1:30-3:00 P.M.	Sept. 10
Registration of Transfer Students	Monday, 10-12 M., 2-3 P.M.	Sept. 15
Registration of Upperclassmen	Tuesday, 8-12 M., 1:30-3:00 P.M.	Sept. 16
Classes begin	Wednesday, 8 A.M.	Sept. 17
Freshman reports due	Friday	Oct. 17
Mid-semester reports due	Tuesday	Nov. 18
Thanksgiving Recess begins	Wednesday, 11:30 A.M.	Nov. 19
Thanksgiving Recess		
Instruction resumed	Monday, 8 A.M.	Nov. 24
Christmas Recess begins	Friday, 11:30 A.M.	Dec. 19
Christmas Recess		
1942		
Instruction resumed	Tuesday, 8 A.M.	Jan. 6
Preliminary Registration, Arts and Sciences	Monday-Saturday	Jan. 12-17
Classes end: Semester ends	Friday	Jan. 23

Spring Semester

Registration	Saturday, 8-12 M.	Jan. 24
Classes begin	Monday, 8 A.M.	Jan. 26
Washington's Birthday, a half holiday	Monday, 1:30-5:05 P.M.	Feb. 23
Comprehensive Examinations, Arts and Sciences	Saturday	March 14
Spring Recess begins	Friday, 11:30 A.M.	March 20
Spring Recess		
Mid-semester reports due	Tuesday	March 24
Instruction resumed	Monday, 8 A.M.	March 30
Open House, University	Saturday	April 18
Oral Comprehensive Examinations, Arts and Sciences	Monday-Saturday	April 20-25
Entrance Examinations	Monday-Wednesday	May 18-20
Classes end	Wednesday, 5:05 P.M.	May 20
Seventy-First Annual Commencement		
Class Day	Friday	May 22
Alumni Day	Saturday	May 23
Baccalaureate Service	Sunday	May 24
Commencement Exercises	Monday	May 25

Summer Camp

Civil Engineering and Forestry Camp begins	Tuesday	May 26
Camp ends	Friday	July 3

Summer Session

First Session, Registration	Tuesday, 8-12 M.; 1:30-4:30 P.M.	May 26
Classes begin	Wednesday	May 27
Session ends	Friday, 12 M.	July 3
Second Session, Registration	Monday, 8-12 M.; 1:30-4:30 P.M.	July 6
Classes begin	Tuesday	July 7
Session ends	Friday, 12 M.	Aug. 14

CALENDAR FOR 1942-43

Fall Semester

		1942
Entrance Examinations	Wednesday, Thursday	Sept. 30-Oct. 1
First day of Freshman Week, Registration	Friday	Oct. 2
Registration of Transfer Students	Monday, 8-12 M.; 1:30-3:00 P.M.	Oct. 5
Registration of Upperclass Students	Tuesday, 8-12 M.; 1:30-3:00 P.M.	Oct. 6
Classes begin	Wednesday, 8 A.M.	Oct. 7
Freshman reports due	Friday	Nov. 6
Thanksgiving Day, a holiday	Thursday	Nov. 26
Mid-semester reports due	Tuesday	Dec. 1
Christmas Recess begins	Friday, 11:30 A.M.	Dec. 18
Christmas Recess		
Instruction resumed	Monday, 8 A.M.	Dec. 28
		1943
Classes end	Friday, 5:05 P.M.	Jan. 22

Spring Semester

Registration	Saturday, 8-12 M.	Jan. 23
Classes begin	Monday, 8 A.M.	Jan. 25
Washington's Birthday, a half holiday	Monday, 1:30-5:05 P.M.	Feb. 22
Comprehensive Examinations, Arts and Sciences	Saturday	March 13
Spring Recess begins	Friday, 11:30 A.M.	March 19
Spring Recess		
Mid-semester reports due	Tuesday	March 23
Instruction resumed	Monday, 8 A.M.	March 29
Open House, University	Saturday	April 17
Oral Comprehensive Examinations, Arts and Sciences	Monday-Saturday	April 19-24
Entrance Examinations	Monday-Wednesday	May 17-19
Classes end	Wednesday, 5:05 P.M.	May 19
Seventy-Second Annual Commencement		
Class Day	Friday	May 21
Alumni Day	Saturday	May 22
Baccalaureate Service	Sunday	May 23
Commencement Exercises	Monday	May 24

Summer Camp

Civil Engineering and Forestry Camp begins	Tuesday	May 25
Camp ends	Saturday	July 3

Summer Session

First Session, Registration	Tuesday, 8-12 M.; 1:30-4:30 P.M.	May 25
Classes begin	Wednesday	May 26
Session ends	Friday, 12 M.	July 2
Second Session, Registration	Tuesday, 8-12 M., 1:30-4:30 P.M.	July 6
Classes begin	Wednesday	July 7
Session ends	Friday, 12 M.	Aug. 13

BOARD OF TRUSTEES

EDWARD EVERETT CHASE, B.A., President	Portland
Term expires January 22, 1943	
MRS. MAYBELLE HASKELL BROWN, Clerk	Waterville
Term expires November 20, 1947	
HARRY VICTOR GILSON, B.S., M.A., ex officio	Augusta
FRANK PORTER WASHBURN	Perry
Term expires July 6, 1946	
RAYMOND WEBBER DAVIS, B.A.	Guilford
Term expires July 18, 1942	
WILLIAM STOCKDALE NUTTER, M.A.	Sanford
Term expires June 5, 1943	
HAROLD MERLE PIERCE, B.A.	Bangor
Term expires August 2, 1942	
GEORGE SETH WILLIAMS	Augusta
Term expires November 20, 1947	
FRANK WASHBURN HUSSEY, B.S.	Presque Isle
Term expires May 9, 1948	
EXECUTIVE COMMITTEE, Davis, Washburn, Williams	

OFFICERS OF ADMINISTRATION**OFFICERS OF THE UNIVERSITY**

- PRESIDENT. Arthur Andrew Hauck, Alumni; Campus.
- DEAN OF MEN. Lamert Seymour Corbett, Alumni; 166 College Avenue.
- DEAN OF WOMEN. Edith Grace Wilson, 8 Stevens, South; 16 University Place.
- REGISTRAR. James Adrian Gannett, Alumni; 166 Main Street.
- ASSISTANT REGISTRAR. Evelyn Taylor, Alumni; Stillwater.
- RECORDER. Addie Matilda Weed, Alumni; Veazie.
- DIRECTOR OF ADMISSIONS. Percy Fremont Crane, Alumni; 32 Forest Avenue.
- LIBRARIAN. Louis Tappe Ibbotson, Library; 10 University Place.
- TREASURER. Frederick Shaw Youngs, Alumni; 225 Center Street, Bangor.
- BUSINESS MANAGER AND PURCHASING AGENT. Henry Leroy Doten, Alumni; 356 College Avenue.
- ACTING COMPTROLLER. Charles Burritt Reed, Alumni; 18 Prentiss Street, Bangor.
- ACCOUNTANT. Irving Pierce, Alumni; 34 Sixth Street, Old Town.
- STEWARD. William Carl Wells, Alumni; Bennoch Road.
- ALUMNI SECRETARY AND EXECUTIVE SECRETARY, ENDOWMENT AND DONATIONS. Charles Edward Crossland, 11 Fernald; 5 Riverdale.
- DIRECTOR OF PLACEMENT BUREAU AND ASSISTANT ALUMNI SECRETARY. Philip Judd Brockway, 12 Fernald; 90 Forest Avenue.
- CATALOG EDITOR. Spofford Harris Kimball, 135 Stevens; 25 Forest Avenue.

OFFICERS OF DIVISIONS OF THE UNIVERSITY

- COLLEGE OF AGRICULTURE. Arthur Lowell Deering, Dean, 16 Winslow; 160 College Avenue.
- COLLEGE OF ARTS AND SCIENCES. Joseph Magee Murray, Dean, 100 Stevens; 68 Main Street.
- SCHOOL OF EDUCATION. Olin Silas Lutes, Dean, 24 Stevens, South; College Avenue.
- COLLEGE OF TECHNOLOGY. Paul Cloke, Dean, 12 Wingate; 49 Forest Avenue.
- GRADUATE STUDY. Roy Merle Peterson, Dean, 3 Stevens, North; 29 Bennoch Street.
- SUMMER SESSION. Roy Merle Peterson, Director, 3 Stevens, North; 29 Bennoch Street.

AGRICULTURAL EXTENSION SERVICE. Arthur Lowell Deering, Director,
16 Winslow; 160 College Avenue.

MAINE AGRICULTURAL EXPERIMENT STATION. Fred Griffee, Director,
Holmes; 19 University Place.

TECHNOLOGY EXPERIMENT STATION. Paul Cloke, Director, 12 Wingate;
49 Forest Avenue.

OFFICERS OF THE DEPARTMENTS

AGRICULTURAL ECONOMICS AND FARM MANAGEMENT. Professor Merchant,
36 Winslow; 17 Spencer Street.

AGRICULTURAL EDUCATION. Professor H. S. Hill, 22 Agricultural Engi-
neering Building; 57 College Avenue.

AGRONOMY AND AGRICULTURAL ENGINEERING. Professor Chucka, 2 Agri-
cultural Engineering Building; 65 Forest Avenue.

ANIMAL INDUSTRY. Professor Cairns, 26 Rogers; 6 University Place.

ART HISTORY. Professor Huddilston, 36 Stevens, South; 193 Main Street.

BACTERIOLOGY AND BIOCHEMISTRY. Professor Hitchner, 13 Winslow; 51
Bennoch Street.

BIOLOGY (AGRICULTURAL EXPERIMENT STATION). Professor Dove, Holmes;
142 Park Street.

BOTANY AND ENTOMOLOGY. Professor Steinmetz, 24 Coburn; 36 College
Avenue.

CHEMISTRY AND CHEMICAL ENGINEERING. Professor Bradt, 329 Aubert;
204 Broadway, Bangor.

CHEMISTRY (AGRICULTURAL EXPERIMENT STATION). Professor Tobey,
Holmes; 5 Pond Street.

CIVIL ENGINEERING. Professor Evans, 21 Wingate; 8 Kell Street.

CLASSICS. Assistant Professor L. F. Smith, 110 Stevens; 102 North Main
Street.

ECONOMICS AND SOCIOLOGY. Professor Kirshen, 46 Stevens, South;
46 North Main Street.

EDUCATION. Professor Lutes, 24 Stevens, South; College Avenue.

ELECTRICAL ENGINEERING. Professor Barrows, 2 Lord; 40 Myrtle Street.

ENGINEERING DRAFTING. Professor Kent, 30 Wingate; 16 Sixth Street,
Bangor.

ENGLISH. Professor Ellis, 200 Stevens; Three Spruces, College Avenue.

ENTOMOLOGY (ARICULTURAL EXPERIMENT STATION). Professor Lathrop,
Holmes; 139 Main Street.

FORESTRY. Professor Demeritt, 26 Winslow; 15 University Place.

- GERMAN. Professor Drummond, 325 Stevens; 61 Bennoch Street.
- HISTORY AND GOVERNMENT. Professor E. F. Dow, 145 Stevens; 65 College Avenue.
- HOME ECONOMICS. Professor Greene, 24 Merrill; 6 University Place.
- HORTICULTURE. Professor Waring, Horticulture Greenhouse; 24 University Place.
- MATHEMATICS AND ASTRONOMY. Professor Willard, 130 Stevens; 100 Bennoch Street.
- MECHANICAL ENGINEERING. Professor Watson, 1 Lord; 7 University Place.
- MILITARY SCIENCE AND TACTICS. Lieutenant Colonel Fuller, Armory; 6 North Main Street.
- MUSIC. Professor Sprague, 15 Stevens, North; 217 Union Street, Bangor.
- PHILOSOPHY. Professor Levinson, 335 Stevens; 78 North Main Street.
- PHYSICAL EDUCATION. Professor Wallace, Memorial Gymnasium; 45 Park Street.
- PHYSICS. Professor C. E. Bennett, 200 Aubert; 22 Myrtle Street.
- PLANT PATHOLOGY (AGRICULTURAL EXPERIMENT STATION). Professor Folsom, Holmes; 63 Forest Avenue.
- POULTRY HUSBANDRY. Professor Smyth, Poultry Building; 50 College Avenue.
- PSYCHOLOGY. Professor Dickinson, 31 Stevens, North; 91 Bennoch Street.
- PULP AND PAPER TECHNOLOGY. Professor Bray, 279 Aubert; 75 Bennoch Street.
- ROMANCE LANGUAGES. Professor Peterson, 3 Stevens, North; 29 Bennoch Street.
- SHORT COURSES. Director Loring, 11A Winslow; 79 Bennoch Street.
- SPEECH. Associate Professor Runion, 350 Stevens; 1 Riverdale.
- ZOOLOGY. Professor Murray, 16 Coburn; 68 Main Street.

MAJOR ADMINISTRATIVE ASSISTANTS

- PRESIDENT'S OFFICE. Florence Elizabeth Johnson, Secretary to the President, Alumni.
- DEAN'S OFFICE, COLLEGE OF AGRICULTURE. Yvonne Morin, Secretary to the Dean, 16 Winslow.
- DEAN'S OFFICE, COLLEGE OF ARTS AND SCIENCES. Kathleen Kelly Morin, Secretary to the Dean, 100A Stevens.
- DEAN'S OFFICE, SCHOOL OF EDUCATION. Thelma Demont, Secretary to the Dean, 22 Stevens, South.
- DEAN'S OFFICE, COLLEGE OF TECHNOLOGY. Mildred French Creamer, Secretary to the Dean, 12 Wingate.

DEAN OF MEN'S OFFICE. Prudence Stormann, Secretary to the Dean, Alumni.

TREASURER'S OFFICE. Dorothea Lewis Miller, Secretary to the Treasurer, Alumni.

BUSINESS MANAGER'S OFFICE. Julia Leveille, Secretary to the Business Manager, Alumni.

DIRECTOR OF ADMISSIONS' OFFICE. Paulyne Rowell, Secretary to the Director, B.A., Maine, 1927, Alumni.

DIRECTOR'S OFFICE, MAINE AGRICULTURAL EXPERIMENT STATION. Mary Norton Cameron, Secretary to the Director, Holmes.

ALUMNI SECRETARY'S OFFICE. Margaret Louise Whelpley, Secretary to the Alumni Secretary, 11 Fernald.

GRADUATE STUDY AND SUMMER SESSION OFFICE. Abbie Annie Dunning, Secretary to the Dean of Graduate Study and the Director of the Summer Session, 3 Stevens, North.

OTHER OFFICERS

DIRECTORS OF THE DORMITORIES

BALENTINE HALL, Mabel Frances McGinley, Director. B.S., Maine, 1905.

COLVIN HALL, Gertrude Hayes, Director.

ELMS, Velma Katherine Oliver, Director. B.A., Maine, 1925; M.A., 1938.

ELMS, Elizabeth Bryant Tolman, Assistant. A.B., Smith, 1941.

ESTABROOKE, NORTH SECTION, Emma Winifred Briggs, Director. B.S., Columbia, 1924; M.A., Northwestern, 1939.

ESTABROOKE, SOUTH SECTION, Julia Delacour Hill Whittlesey, Director. A.B., Vassar, 1896; M.A., State Teachers College, Montclair, New Jersey, 1935.

LIBRARY

DOROTHY SMITH, Reference Librarian.

B.S., Simmons School of Library Science, 1921.

MARY FLORENCE REED, Cataloger.

B.A., Maine, 1929; B.S., Simmons School of Library Science, 1930.

SALLY PALMER BOGAN, Circulation Assistant.

B.A., Maine, 1927.

LAURA LOUISE ELDRIDGE, Assistant.

B.S., Simmons School of Library Science, 1939.

ELIZABETH MILLER CHASE, Assistant.

B.A., Maine, 1920.

OLIVE LEE, Assistant.

A.B., Radcliffe, 1928; B.S., University of North Carolina Library School, 1941.

BARBARA McLEARY VANNAH, Clerk.

B.S. in Ed., Maine, 1938.

HEALTH SERVICE

WALTER CHARLES HALL, M.D., Director.

BLANCHE IMELDA CASTONGUAY, Resident Health Nurse.

R.N., Queens Hospital, Portland, 1928.

HELEN O'LEARY BURNETT, Resident Health Nurse.

R.N., Eastern Maine General Hospital, Bangor, 1933.

FLORA RICHARDSON WALLACE, Infirmary Nurse.

R.N., Woodsville Hospital, Woodsville, New Hampshire, 1918.

BUILDINGS AND GROUNDS

JOHN CARROLL DEMPSEY, Superintendent of Buildings and Grounds.

JOHN WHITE GLOVER, Steam Engineer.

B.S., Maine, 1915.

UNIVERSITY PRESS

ROY WESLEY LIBBY, Superintendent.

MAINE CHRISTIAN ASSOCIATION

ALBION PIERSON BEVERAGE, General Secretary.

A.B., Bates, 1936; B.D., Bangor Theological Seminary, 1940.

JEAN MILLEN WHITTET, Associate Secretary.

B.R.E., Hartford School of Religious Education, 1932.

FACULTY OF INSTRUCTION

(Dates in parentheses indicate year of initial appointment)

RUSSELL, FREMONT LINCOLN; B.S., Maine, 1885; V.S., New York College of Veterinary Surgeons, 1886; Professor Emeritus of Bacteriology and Veterinary Science; 38½ Oak Street.

COLVIN, CAROLINE; A.B., Indiana, 1893; Ph.D., University of Pennsylvania, 1901; LL.D., Maine, 1927; Professor Emeritus of History and Government.

SIMMONS, GEORGE EDWARD; B.S., Ohio Northern, 1902; M.S., 1905; B.Sc., Ohio State, 1909; D.Sc., Ohio Northern, 1922; Professor Emeritus of Agronomy; 7 Gilbert Street.

HART, JAMES NORRIS; B.C.E., Maine, 1885; C.E., 1890; S.M., Chicago, 1897; Sc.D., Maine, 1908; Ph.D., 1922; Dean Emeritus of the University and Professor Emeritus of Mathematics and Astronomy; 67 Bennoch Street.

PATCH, EDITH MARION; B.S., Minnesota, 1901; M.S., Maine, 1910; Ph.D., Cornell University, 1911; Sc.D., Maine, 1937; Entomologist Emeritus; Braeside, College Avenue.

CHASE, GEORGE DAVIS; A.B., Harvard, 1889; A.M., 1895; Ph.D., 1897; LL.D., Maine, 1927; Dean Emeritus of Graduate Study and Professor Emeritus of Classics; 143 Main Street.

ASHWORTH, JOHN H; A.B., Emory and Henry, 1906; Ph.D., Johns Hopkins, 1914; Professor Emeritus of Economics; 88 North Main Street.

DAVEE, EVERETT WILLARD; Instructor Emeritus in Mechanical Engineering; 46 College Avenue.

WESTON, CHARLES PARTRIDGE; B.C.E., Maine, 1896; C.E., 1899; A.M., Columbia, 1902; Sc.D., Maine, 1941; Professor Emeritus of Mechanics; College Avenue.

ABBOTT, HERBERT BURR (1920); Technician, Department of Mechanical Engineering; Crosby Mechanical Laboratory, 159 Stillwater Avenue, Old Town.

ALLEN, GEORGE ELLIOT (1941); B.S.P.E., West Virginia University, 1935; Assistant Professor of Physical Education; Memorial Gymnasium; 72 Main Street.

ARNOLD, FRANCES ELIZABETH (1919); B.A., Maine, 1910; M.A., 1923; Assistant Professor of Romance Languages; 5 Stevens, North; 1 University Place.

- ASHBY, STANLEY ROYAL (1930); B.A., Texas, 1904; B.A., Oxford, 1907; M.A., 1923; A.M., Harvard, 1925; Ph.D., 1927; Professor of English; 235 Stevens; 67 Main Street.
- ASHMAN, ROBERT IRVING (1930); A.B., Cornell University, 1913; M.F., Yale, 1929; Associate Professor of Forestry; 26 Winslow; 111 Mill Street.
- BAILEY, MARK (1920); A.B., Yale, 1915; A.M., University of Michigan, 1917; Professor of Speech; 240 Stevens; 22 University Place.
- BAKER, GREGORY (1935); B.S., Maine, 1924; M.F., Yale, 1939; Assistant Professor of Forestry; 24 Winslow; 26 Myrtle Street.
- BARROWS, WILLIAM EDWARD (1912); B.S., Maine, 1902; E.E., 1908; Professor and Head of Department of Electrical Engineering, member of Graduate Faculty; 2 Lord; 40 Myrtle Street.
- BELL, LEIGH (1942); Lieutenant Colonel, Infantry, U. S. Army; LL.B., University of Iowa, 1912; Assistant Professor of Military Science and Tactics; Armory.
- BENNETT, CLARENCE EDWIN (1934); Ph.B., Brown, 1923; Sc.M., 1924; Ph.D., 1930; Professor and Head of Department of Physics, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 200 Aubert; 22 Myrtle Street.
- †BENNETT, EARL FREEMAN (1938); B.S., Maine, 1928; M.S., Massachusetts Institute of Technology, 1930; Assistant Professor of Civil Engineering and Research Assistant in Technology Experiment Station; B1 Lord; 378 College Avenue.
- BLISS, WARREN HERBERT (1931); B.S., Michigan State College, 1928; M.S., 1931; E.E., 1939; Assistant Professor of Electrical Engineering; 28B Lord; 6 North Main Street.
- BOGAN, EDGAR JUNIOR (1929); A.B., Miami (Ohio), 1926; Princeton, 1929; Assistant Professor of Chemistry; 425 Aubert; 36 Myrtle Street.
- BOWDEN, RALPH FREEMAN (1925); Technician in Department of Electrical Engineering; 12 Lord; 144 Park Street.
- BRACE, RICHARD MUNTHE (1941); A.B., University of California, 1936; M.A., 1937; Ph.D., 1940; Instructor in History; 150 Stevens; 105 Main Street.
- *BRADT, WILBER ELMORE (1936); A.B., Indiana, 1922; M.A., 1924; Ph.D., 1926; Professor of Chemistry and Head of Department of Chemistry and Chemical Engineering, member of Graduate Faculty; 329 Aubert; 204 Broadway, Bangor.

*On leave of absence, 1941-42.

†On leave of absence, effective January 1, 1942.

- BRANN, BERTRAND FRENCH (1917); B.S., Maine, 1909; M.S., 1911; S.M., Massachusetts Institute of Technology, 1912; Professor of Chemistry; 221 Aubert; 370 College Avenue.
- BRAUTLECHT, CHARLES ANDREW (1919); Ph.B., Yale, 1906; Ph.D., 1912; Professor of Chemistry and Chemical Engineering, member of Graduate Faculty; 333 Aubert; 63 Bennoch Street.
- BRAY, PAUL DeCOSTA (1923); B.S., Maine, 1914; Ch.E., 1918; Professor of Chemical Engineering and Pulp and Paper Technology, and Head of Division of Pulp and Paper Technology, member of Graduate Faculty; 279 Aubert; 75 Bennoch Street.
- BREWER, EVERETT LEIGHTON (1940); B.S., Maine, 1937; Instructor in Chemistry; 421 Aubert; 43 Main Street.
- BRICKER, HERSCHEL LEONARD (1928); A.B., Coe, 1928; Assistant Professor of Speech; 330 Stevens; 4 Middle Street.
- BROWN, CHARLES DURWARD (1940); B.S., Maine, 1933; M.S., Harvard, 1938; Assistant Professor of Mechanical Engineering; 1 Fernald; 10 Oak Street, Old Town.
- BRUSH, EDWARD NEWCOMB (1928); A.B., Vermont, 1925; A.M., Harvard, 1926; Ph.D., 1932; Associate Professor of Psychology, member of Graduate Faculty; 43 Stevens, North; 38 North Main Street.
- BRYAN, NOAH ROSENBERGER (1922); B.A., Pennsylvania State, 1913; A.M., University of Pennsylvania, 1918; Ph.D., Columbia, 1921; Associate Professor of Mathematics, member of Graduate Faculty; 135 Stevens; 4 University Place.
- BUZZELL, MARION STEPHANIE (1919); B.A., Maine, 1914; M.A., 1915; Assistant Professor of Romance Languages; 5 Stevens, North; 222 North Brunswick Street, Old Town.
- CAIRNS, GORDON MANN (1939); B.S., Cornell University, 1936; M.S., 1938; Ph.D., 1940; Professor and Head of Department of Animal Industry, member of Graduate Faculty; 26 Rogers; 6 University Place.
- CASSIDY, MARGARET EILEEN (1937); Diploma, Sargent School for Physical Education, 1928; B.S. in Ed., Maine, 1939; Instructor in Physical Education for Women; Alumni; 363 State Street, Bangor.
- CAULFIELD, JOHN GEORGE LESLIE (1926); B.S., Maine, 1924; M.S., 1926; Assistant Professor of Pulp and Paper Technology; 162 Aubert; 208 French Street, Bangor.
- CAYTING, ALFRED STANLEY (1940); Part-time Instructor, Department of Music (Orchestra); B Stevens, North; 12 Leighton Street, Bangor.
- CHADBOURNE, AVA HARRIET (1915); B.A., Maine, 1915; M.A., 1918; A.M., Columbia, 1919; Ph.D., 1928; Professor of Education, member of Graduate Faculty; 14 Stevens, South; Stillwater.

- CHADBOURNE, WALTER WHITMORE (1922); B.A., Maine, 1920; M.B.A., Harvard, 1922; Ph.D., 1935; Professor of Economics and Business Administration, member of Graduate Faculty; 30 Stevens, South; 59 College Avenue.
- CHAPMAN, CHAUNCEY WALLACE LORD (1919); B.S., Maine, 1914; M.S., 1921; Assistant Professor of Forestry; 24 Winslow; 13 Park Street.
- CHUCKA, JOSEPH ANTHONY (1934); B.S., Wisconsin, 1927; M.S., 1928; Ph.D., 1930; Professor of Agronomy and Head of Department of Agronomy and Agricultural Engineering, member of Graduate Faculty; 2 Agricultural Engineering Building; 65 Forest Avenue.
- CLAPP, ROGER (1929); B.S., Cornell University, 1928; M.S., Maine, 1932; Associate Professor of Horticulture; Horticulture Greenhouse; 35 Oak Street.
- CLOKE, PAUL (1926); E.E., Lehigh, 1905; M.S., 1913; Eng.D., Maine, 1934; Dean of the College of Technology, Director of the Technology Experiment Station, and Professor of Electrical Engineering, member of Graduate Faculty; 12 Wingate; 49 Forest Avenue.
- COGGESHALL, REGINALD (1936); A.B., Harvard, 1916; A.M., 1932; Assistant Professor of English and Director of University Publicity; 340 Stevens; 60 Forest Avenue.
- COMEGYS, ESTHER (1941); B.A., Wellesley, 1921; M.A., University of Pennsylvania, 1926; Ph.D., Radcliffe, 1941; Instructor in Mathematics; 135 Stevens; 80 Main Street.
- *CONEY, BEATRICE (1937); B.S., East Texas State Teachers College, 1928; M.S., Iowa State College, 1937; Assistant Professor of Home Economics, member of Graduate Faculty.
- COOPER, GERALD PAUL (1936); B.S., Michigan State Normal, 1931; M.A., University of Michigan, 1932; Ph.D., 1938; Assistant Professor of Zoology; 7 Coburn; 15 Pond Street.
- CORBETT, LAMERT SEYMOUR (1913); B.S., Massachusetts State, 1909; B.S.A., Boston University, 1909; M.S., Kentucky, 1913; Dean of Men; Alumni; 166 College Avenue.
- CRABTREE, KENNETH GERARD (1926); S.B., Massachusetts Institute of Technology, 1923; Assistant Professor of Electrical Engineering; 4 Lord; 3 Park Street.
- *CRANDON, MARY PERKINS (1937); B.A., Maine, 1923; M.A., Bryn Mawr, 1924; Instructor in English; 220 Stevens; Stillwater Avenue, Stillwater.
- †CRAWFORD, JOHN RAYMOND (1930); B.A., Culver-Stockton, 1924; M.A.,

*On leave of absence, 1941-42.

†On leave of absence, fall semester, 1941-42.

- State University of Iowa, 1929; Ph.D., 1931; Associate Professor of Education and Director of Bureau of Educational Research and Service, member of Graduate Faculty; 18 Stevens, South; 6 Riverdale.
- CREAMER, WALTER JOSEPH (1919); B.S., Maine, 1918; E.E., 1921; B.A., 1923; Professor of Communication Engineering, Director of Freshman Week, member of Graduate Faculty; 24 Lord; 331 Center Street, Bangor.
- CROFUTT, CHARLES BURTON (1926); B.A., Cornell College, 1919; M.S., State University of Iowa, 1920; Ph.D., 1923; Associate Professor of Physics, member of Graduate Faculty; 308 Aubert; 30 Mill Street.
- CROSBY, RUTH (1929); A.B., Mount Holyoke, 1919; A.M., Radcliffe, 1920; Ph.D., 1929; Associate Professor of English; 230 Stevens; 56 Main Street.
- CROWTHER, GEORGE WESLEY (1941); B.S., New York State College of Agriculture, 1937; M.S., 1941; Assistant Professor of Agricultural Engineering; 21 Agricultural Engineering Building; Stillwater Avenue, Stillwater.
- CURTIS, JAMES DILLON (1939); B.A., University of British Columbia, 1929; B.A.Sc., 1930; M.F., Harvard, 1935; Assistant Professor of Forestry, 24 Winslow; 23 Spencer Street.
- CURTIS, THEODORE SMALL (1930); B.S., Maine, 1923; Faculty Manager of Athletics; Memorial Gymnasium; 123 Main Street.
- DAVIS, HAROLD ARTHUR (1941); B.A., Maine, 1934; M.A., Columbia, 1937; Instructor in Government; 150 Stevens; 17 Oak Street.
- DEERING, ARTHUR LOWELL (1912); B.S., Maine, 1912; Sc.D., 1934; Dean of the College of Agriculture and Director of Extension Service, member of Graduate Faculty; 16 Winslow; 160 College Avenue.
- DEMERRITT, DWIGHT BURGESS (1934); B.S., Maine, 1922; M.F., Yale, 1923; Professor and Head of Department of Forestry, member of Graduate Faculty; 26 Winslow; 15 University Place.
- DICKINSON, CHARLES ALEXIUS (1926); A.M., Clark, 1922; Ph.D., 1925; Professor and Head of Department of Psychology, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 31 Stevens, North; 91 Bennoch Street.
- DIRKS, CHARLES ORVILLE (1927); B.S., Kansas State College, 1924; M.S., Iowa State College, 1925; Ph.D., Cornell University, 1935; Associate Professor of Entomology, member of Graduate Faculty; 32 Coburn; 9 Peters Street.
- DORSEY, LLEWELLYN MORSE (1917); B.S., Maine, 1916; M.S., 1923; Professor of Dairy Husbandry, member of Graduate Faculty; 28 Rogers; 2 University Place.

- DOUGLASS, IRWIN BRUCE (1940); B.S., Monmouth College, 1926; Ph.D., Kansas, 1932; Assistant Professor of Chemistry and Acting Head of Department of Chemistry and Chemical Engineering, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 263 Aubert; 66 College Avenue.
- DOW, EDWARD FRENCH (1929); B.S., Bowdoin, 1925; A.M., Harvard 1926; Ph.D., 1932; Professor of Government and Head of Department of History and Government, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 145 Stevens; 65 College Avenue.
- DOW, GEORGE FARRINGTON (1934); B.S., Maine, 1927; M.S., 1929; Ph.D., Cornell University, 1938; Associate Professor of Agricultural Economics and Farm Management; 38 Winslow; 35 Park Street.
- DRUMMOND, ROBERT RUTHERFORD (1909); B.S., Maine, 1905; Ph.D., University of Pennsylvania, 1909; Professor and Head of Department of German, member of Graduate Faculty; 325 Stevens; 61 Bennoch Street.
- ELIASSON, ANN ELIZABETH (1941); B.S., Maine, 1936; Instructor in Home Economics; 13 Merrill; 162 College Avenue.
- ELLIOTT, WALLACE HENRY (1937); B.S., Maine, 1926; M.S., Cornell University, 1937; Assistant Professor of Agricultural Education; 22 Agricultural Engineering Building; 29 Park Street.
- ELLIS, MILTON (1919); B.A., Maine, 1907; M.A., 1908; A.M., Harvard, 1909; Ph.D., 1913; Professor and Head of Department of English, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 200 Stevens; Three Spruces, College Avenue.
- EVANS, WESTON SUMNER (1920); B.S., Maine, 1918; M.S., 1923; Professor and Head of Department of Civil Engineering, member of Graduate Faculty; 21 Wingate; 8 Kell Street.
- FELCH, ADA VIOLA (1941); B.S., Middlebury, 1929; A.M., Columbia, 1939; Assistant Professor of Home Economics; 15 Merrill; 84 College Avenue.
- FISCHER, PAUL (1941); Matura, Realschule, Vienna, 1925; J.D., University of Vienna, 1930; Instructor in Economics and Business Administration; 22 Stevens, South; 4 Gilbert Street.
- *FLEWELLING, HOWARD LLOYD (1932); A.B., Dartmouth, 1921; M.A., Maine, 1929; Ph.D., University of Michigan, 1932; Associate Professor of English; 230 Stevens, Stillwater Avenue, Stillwater.
- FLYNN, CARL MUNRO (1940); B.A., Maine, 1930; M.A., Wesleyan, 1932; M.A., Harvard, 1939; Ph.D., 1940; Instructor in Zoology; 14A Coburn; 23 Crosby Street.

*On leave of absence, fall semester, 1941-42.

- FULLER, FRANCIS REUEL (1941) ; Lieutenant Colonel, Infantry, U. S. Army ; B.S., U. S. Military Academy, 1913 ; Professor of Military Science and Tactics ; Armory ; 6 North Main Street.
- FULLER, JOHN LANGWORTHY (1937) ; B.S., Bates, 1931 ; Ph.D., Massachusetts Institute of Technology, 1935 ; Assistant Professor of Zoology ; 25 Coburn ; 43 Pine Street.
- GANNETT, JAMES ADRIAN (1908) ; B.S., Maine, 1908 ; M.A., 1928 ; Registrar ; Alumni ; 166 Main Street.
- GARDNER, LEIGH PHILBROOK (1920) ; B.S., Maine, 1918 ; M.S., 1923 ; Assistant Professor of Poultry Husbandry ; Poultry Building ; 45 Oak Street.
- GEBHARD, JACK WENDELL (1939) ; A.B., Wayne University, 1934 ; M.A., University of Michigan, 1936 ; Ph.D., 1941 ; Instructor in Psychology ; 39 Stevens, North ; Stillwater.
- GLANVILLE, ALBERT DOUGLAS (1937) ; A.B., Cornell University, 1927 ; M.A., Illinois, 1928 ; Ph.D., Cornell University, 1932 ; Assistant Professor of Psychology ; 39 Stevens, North ; 158 Main Street.
- GOULD, GLADYS MARIE (1928) ; B.S., Maine, 1922 ; Part-time Instructor in Home Economics in charge of Student Teaching ; Brewer High School ; 33 Park Street, Bangor.
- GREENE, PEARL STUART (1923) ; B.A., Northwestern, 1909 ; B.S., Lewis Institute, 1914 ; A.M., Columbia, 1923 ; Professor and Head of Department of Home Economics, member of Graduate Faculty ; 24 Merrill ; 6 University Place.
- HALL, HOWE WIGGIN (1923) ; B.S., Maine, 1914 ; M.S., 1925 ; Assistant Professor of Animal Husbandry ; 25 Rogers ; 24 Crosby Street.
- HARABOSKY, ROMAN HENRY (1937) ; Sergeant (D.E.M.L.), Coast Artillery, U. S. Army ; Instructor in Military Science and Tactics ; Armory ; 151 Park Street.
- †HARRIS, JOHN NORMAN (1942) ; B.S., Maine, 1940 ; Part-time Instructor in Civil Engineering ; B1 Lord ; 66 Park Street.
- HAUCK, ARTHUR ANDREW (1934) ; A.B., Reed, 1915 ; Ph.D., Columbia, 1932 ; LL.D., Lafayette, 1936 ; LL.D., New Hampshire, 1937 ; President of the University ; Alumni ; Campus.
- HAWTHORNE, MANNING (1938) ; A.B., Bowdoin, 1930 ; M.A., University of North Carolina, 1937 ; Instructor in English ; 345 Stevens ; 362 Stillwater Avenue, Old Town.
- HEALY, RICHARD WYMAN (1940) ; 2nd Lieutenant, Infantry Reserve ; B.A., Maine, 1938 ; Assistant Professor of Military Science and Tactics ; Armory ; 3 Park Lane.

†Appointment effective January 1, 1942.

- *HIGHLANDS, MATTHEW EDWARD (1935); B.A., Maine, 1928; S.M., Massachusetts Institute of Technology, 1934; Assistant Professor of Bacteriology; 13 Winslow; 54 Main Street.
- HILL, ARTHUR ST. JOHN (1918); E.E., Polytechnic Institute of Brooklyn, 1911; M.S.E., University of Michigan, 1932; E.E., 1937; Professor of Electrical Engineering, member of Graduate Faculty; 5 Lord; 9 Kell Street.
- HILL, HERBERT STAPLES (1918); A.B., Bowdoin, 1905; Professor and Head of Department of Agricultural Education; 22 Agricultural Engineering Building; 57 College Avenue.
- HITCHNER, ELMER REEVE (1922); B.S., Pennsylvania State, 1915; M.S., 1916; Ph.D., Wisconsin, 1931; Professor of Bacteriology and Head of Department of Bacteriology and Biochemistry, member of Graduate Faculty; 13 Winslow; 51 Bennoch Street.
- HOBBAH, REGINALD VYVYAN (1937); B.S., Pittsburgh, 1931; M.A., 1934; Assistant Professor of Economics and Business Administration; 30 Stevens, South; 1 Spencer Street.
- HODGES, ARTHUR WEBSTER, JR. (1940); 2nd Lieutenant, Infantry Reserve; B.A., Maine, 1938; Assistant Professor of Military Science and Tactics; Armory; 80 Mill Street.
- HUDDILSTON, JOHN HOMER (1899); B.A., Baldwin-Wallace, 1890; M.A., 1892; A.B., Harvard, 1893; Ph.D., Munich, 1898; Professor of Ancient Civilization and Lecturer on Art History; 36 Stevens, South; 193 Main Street.
- HYLAND, FAY (1926); B.S., Michigan State College, 1925; M.S., Maine, 1929; Assistant Professor of Botany; 31 Coburn; 10 Mill Street.
- IBBOTSON, LOUIS TAPPE (1928); A.B., Hamilton, 1922; B.L.S., University of the State of New York, 1925; Librarian; Library; 10 University Place.
- INGRAHAM, HERBERT SHEPHERD (1940); Captain, Coast Artillery Reserve; A.B., Bowdoin, 1922; Assistant Professor of Military Science and Tactics; Armory; 100 North Main Street.
- JACKMAN, ERNEST DELMORE (1930); A.B., Colby, 1912; A.M., Columbia, 1924; Associate Professor of Education and Director of Teacher Training, member of Graduate Faculty; 10 Stevens, South; College Avenue.
- JENKINS, CHESTER ALBERT (1928); B.S., Dartmouth, 1911, M.S., Maine, 1931; Professor of Physical Education; Memorial Gymnasium; 20 University Place.
- JENNESS, LYLE CLAYTON (1923); B.S., New Hampshire, 1922; M.S., Maine,

*On leave of absence, one year, effective February 1, 1942.

- 1925; Associate Professor of Chemical Engineering; 162 Aubert; 80 Forest Avenue.
- JONES, ALFRED WELWOOD (1939); A.B., Columbia College, 1937; A.M., Columbia University, 1939; Instructor in Mathematics; 120 Stevens; 13 Pond Street.
- JONES, MAURICE DANIEL (1913); B.S., Maine, 1912; M.S., 1927; Professor of Agricultural Economics and Farm Management and Manager of University Farm, member of Graduate Faculty; 36 Winslow; 164 College Avenue.
- JORDAN, MAYNARD FRED (1919-21) (1925); B.A., Maine, 1916; M.A., 1921; Associate Professor of Mathematics and Astronomy; 130 Stevens; 23 University Place.
- KENT, BENJAMIN CALVIN (1918); B.S., Maine, 1912; Professor and Head of Department of Engineering Drafting; 30 Wingate; 16 Sixth Street, Bangor.
- KENYON, WILLIAM CURTIS (1926); Instructor in Physical Education; Memorial Gymnasium; 83 Main Street.
- KIMBALL, SPOFFORD HARRIS (1936); B.S., Denison, 1923; M.A., Pittsburgh, 1925; A.M., Harvard, 1929; Ph.D., 1932; Associate Professor of Mathematics, Catalog Editor; 135 Stevens; 25 Forest Avenue.
- KIRSHEN, HIMY BENJAMIN (1929); B.S., Whitman, 1926; A.M., Columbia, 1929; Ph.D., Wisconsin, 1937; Professor of Economics and Head of Department of Economics and Sociology, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 46 Stevens, South; 46 North Main Street.
- KLEIN, JOHN FREDERICK (1933); A.B., Cornell University, 1912; A.M., 1913; Ph.D., 1920; Associate Professor of German; 320 Stevens; 66 College Avenue.
- LAMOREAU, FRED LINCOLN (1930); B.A., Maine, 1930; M.A., 1934; Assistant Professor of Mathematics and Astronomy; 120 Stevens; 38 Penobscot Street.
- LAMSON, HERBERT DAY (1935); Ph.B., Brown, 1924; A.M., 1925; A.M., Harvard, 1934; Ph.D., 1935; Associate Professor of Sociology, member of Graduate Faculty; 42 Stevens, South; 77 Bennoch Street.
- LARSEN, KARL DAVIS (1934); B.A., Maine, 1929; M.A., 1930; Ph.D., Pennsylvania State, 1934; Assistant Professor of Physics; 304 Aubert; 36 Myrtle Street.
- LASK, WALTER MICHAEL (1940); 1st Lieutenant, Coast Artillery Reserve; B.S. in Ed., University of Alabama, 1932; Assistant Professor of Military Science and Tactics; Armory; 17 Peters Street.

- LEAVITT, HAROLD WALTER (1917); B.S., Maine, 1915; C.E., 1918; M.S., 1921; Professor of Highway Engineering, and Secretary and Testing Engineer, Technology Experiment Station; 5 Wingate; 7 Park Street.
- LEKBERG, HOWARD PARKER (1937); B.S., Worcester Polytechnic Institute, 1932; Instructor in Mechanical Engineering; 14 Lord; 43 Pine Street.
- LENGYEL, HELEN ANNA (1924); Diploma, Sargent School for Physical Education, 1915; B.A., Maine, 1927; M.A., 1936; Associate Professor of Physical Education for Women; Alumni; 11 Main Street.
- LEVINSON, RONALD BARTLETT (1926); A.B., Harvard, 1919; Ph.D., Chicago, 1924; Professor and Head of Department of Philosophy, member of Graduate Faculty; 335 Stevens; 78 North Main Street.
- LIBBY, WINTHROP CHARLES (1934); B.S., Maine, 1932; M.S., 1933; Associate Professor of Agronomy; 2 Agricultural Engineering Building; 66 College Avenue.
- LORING, FRED PERLEY (1934); B.S., Maine 1916; M.S., 1936; Director of Short Courses; 11A Winslow; 79 Bennoch Street.
- LUCAS, WARREN STANHOPE (1922); B.A., Maine, 1914; M.A., 1922; Associate Professor of Mathematics; 120 Stevens; Spring Street, Stillwater.
- LUTES, OLIN SILAS (1926); A.B., Ohio University, 1915; M.A., State University of Iowa, 1923; Ph.D., 1926; Dean of the School of Education and Professor of Education, member of Graduate Faculty; 24 Stevens, South; College Avenue.
- LYON, ALPHEUS CROSBY (1912); B.S., Maine, 1902; S.B., Massachusetts Institute of Technology, 1904; C.E., Maine, 1913; Associate Professor of Civil Engineering; 3 Wingate; 735 Main Street, Bangor.
- MCNEARY, MATTHEW (1937); B.S., Pennsylvania State, 1932; M.S., Maine, 1941; Instructor in Engineering Drafting; 41 Wingate; 81 Forest Avenue.
- MARCY, ORRIN JAY (1940); B.S., Nebraska, 1939; M.S., Kansas State, 1941; Instructor in Agricultural Economics and Farm Management; 34 Winslow; 7 Pleasant Street.
- MARTIN, FREDERIC THURMAN (1934); Ch.E., Lehigh, 1925; Ph.D., Johns Hopkins, 1929; Instructor in Chemistry; 207 Aubert; 13 Pond Street.
- MENDALL, HOWARD LEWIS (1937); B.A., Maine, 1931; M.A., 1934; Assistant Professor of Game Management; 9 Coburn; 28 Pendleton Street, Brewer.
- MERCHANT, CHARLES HENRY (1924); B.S., Cornell University, 1920; M.S., 1922; Ph.D., 1928; Professor and Head of Department of Agricultural Economics and Farm Management, member of Graduate Faculty; 36 Winslow; 17 Spencer Street.
- MILES, EDWIN KENNETH (1933); B.A., Lawrence, 1929; M.A., North-

- western, 1930; Ph.D., University of Pennsylvania, 1933; Assistant Professor of German; 320 Stevens; 6 North Main Street.
- MORROW, RISING LAKE (1934); B.A., Wesleyan, 1923; A.M., Harvard, 1925; Ph.D., 1932; Assistant Professor of History, member of Graduate Faculty; 175 Stevens; 57 College Avenue.
- MURRAY, JOSEPH MAGEE (1934); B.A., Maine, 1925; M.A., University of Michigan, 1927; Ph.D., 1929; Dean of the College of Arts and Sciences, Professor and Head of Department of Zoology, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 100 Stevens; 68 Main Street.
- MUSGRAVE, MARGUERITE RUTH (1929); B.S., Columbia, 1925; A.M., 1926; Assistant Professor of Home Economics; 31a Merrill; 56 Main Street.
- NESBITT, DORIS (1941); B.A., University of Oklahoma, 1925; M.S., Iowa State College, 1932; Assistant Professor of Home Economics; 22 Merrill; 58 Main Street.
- NESBITT, MARGARET KATHARINE (1938); B.A., Ohio State University, 1930; M.A., 1931; Assistant Professor of Home Economics; 11a Merrill; 33 Main Street.
- NIEDERFRANK, EVLON JOY (1935); B.S., Oregon State College, 1932; M.S., 1935; Assistant Professor of Agricultural Economics and Farm Management; 34 Winslow; 84 College Avenue.
- NOLAN, WILLIAM JOHN (1938); Ch.E., Rensselaer Polytechnic Institute, 1929; Ph.D., University of Michigan, 1936; Associate Professor of Chemical Engineering, member of Graduate Faculty; 273 Aubert; 15 Garland Street, Bangor.
- OGDEN, EUGENE CECIL (1938); B.S., Michigan State, 1932; M.S., Maine, 1934; A.M., Harvard, 1936; Ph.D., 1938; Instructor in Botany; 26 Coburn; 36 Main Street.
- OLESON, FREDERICK BARBOUR (1938); A.B., Colby, 1938; M.S., Maine, 1940; Instructor in Physics; 406 Aubert; Stillwater Avenue, Stillwater.
- OSGOOD, CARL CHAPIN (1939); B.S., Maine, 1938; Instructor in Mechanical Engineering; Mechanical Shops; 40 College Avenue.
- *OTTO, CARL EVERETT (1924); B.A., Cincinnati, 1916; M.A., 1920; Ph.D., 1922; Associate Professor of Chemistry.
- †PEARCE, JOHN (1940); B.S., New York State College of Forestry, 1934; M.F., 1935; Assistant Professor of Game Management; 9 Coburn; 1 Davenport Street, Milford.
- PEDLOW, JOHN THOMAS (1936); B.S., Pennsylvania State, 1925; M.S.,

* On leave of absence, 1941-42.

† Resignation effective February 1, 1942.

- Rutgers, 1926; Ph.D., Pennsylvania State, 1934; Assistant Professor of Biochemistry; 15 Winslow; 20 Myrtle Street.
- PELLETIER, LAWRENCE LEE (1939); A.B., Bowdoin, 1936; A.M., Harvard, 1939; Instructor in Government; 175 Stevens; 39 Pine Street.
- PERKINS, HARRY ROY (1917); Instructor in Mechanical Engineering; Mechanical Shops; Spring Street, Stillwater.
- *PERLEY, REUBEN NOEL (1941); Lieutenant Colonel, U. S. Army (Retired); A.B., U. S. Naval Academy, 1911; Associate Professor of Military Science and Tactics; Armory; 224 Nowell Road, Bangor.
- PETERSON, ROY MERLE (1918); A.B., Coe, 1906; A.M., Harvard, 1910; Ph.D., 1912; F.A.A.R.; Professor and Head of Department of Romance Languages, Director of the Summer Session, Dean of Graduate Faculty, and cooperating member of the faculty of the School of Education; 3 Stevens, North; 29 Bennoch Street.
- PRAGEMAN, IRVING HENRY (1927); Ph.B., Yale, 1918; M.E., 1923; Associate Professor of Mechanical Engineering; 14 Lord; 58 Main Street.
- RALEIGH, STEPHEN MARTIN (1934); B.S., Kansas State College, 1927; Ph.D., Minnesota, 1934; Assistant Professor of Agronomy; 2 Agricultural Engineering Building; 150 Park Street.
- RAYE, MARY-HELEN (1941); B.A., Maine, 1938; M.A., University of Michigan, 1941; Instructor in Zoology; 30 Na Coburn; 24 University Place.
- REYNOLDS, CECIL JOHN (1935); B.Sc., Mount Allison, 1926; B.A., 1927; B.A., Oxford, 1929; B.Litt., 1930; A.M., Harvard, 1932; Assistant Professor of English; 245 Stevens; 5 Forest Avenue.
- RICH, NATHAN HAROLD (1941); B.S., Maine, 1940; Instructor in Mechanical Engineering; Wood Shop; 11 Pond Street.
- RILEY, RICHARD McVAY (1929); B.S., Ohio University, 1926; M.S., Cornell University, 1929; Assistant Professor of Horticulture; Horticulture Greenhouse; 115 Park Street.
- RINKAUS, JOSEPH JAMES (1935); Sergeant (D.E.M.L.), U. S. Army; Instructor in Military Science and Tactics; Armory; 54 Forest Avenue.
- ROBERTS, JOHN BUCKLEY (1941); B.A., University College, New York University, 1940; M.A., State University of Iowa, 1941; Instructor in Speech; 350 Stevens; 1 Riverdale.
- ROGERS, MARION ELIZABETH (1927); Diploma, Sargent School for Physical Education, 1927; B.A., Maine, 1930; M.A., 1936; Assistant Professor of Physical Education for Women; Alumni; 57 College Avenue.
- ROY, JOSEPH ABEL (1936); Sergeant (D.E.M.L.), U. S. Army; Instructor

*Assigned to new station December 20, 1941.

in Military Science and Tactics; Armory; 446 South Main Street, Old Town.

RUNION, HOWARD LUCIUS (1936); A.B., University of Michigan, 1931; M.A., 1932; Ph.D., 1936; Associate Professor and Acting Head of Department of Speech; 350 Stevens; 1 Riverdale.

RYCKMAN, SEYMOUR JAMES (1940); B.S., Michigan State, 1939; M.S., Missouri University, 1940; Instructor in Civil Engineering; 21 Wingate; 80 Pine Street.

SANDERLIN, GEORGE WILLIAM (1938); B.A., American University, 1935; Ph.D., Johns Hopkins, 1938; Instructor in English; 250 Stevens; 8 Juniper Street.

SAWYER, RALPH ALBERT (1929); B.S., Norwich, 1925; Assistant Professor of Engineering Drafting; 41 Wingate; 19 Oak Street.

SCAMMAN, WILLIAM FRANCIS (1926); B.A., Maine, 1908; M.A., 1930; Associate Professor of English; 245 Stevens; 144 College Avenue.

SELWOOD, JAMES GORDON (1941); Part-time Instructor, Department of Music (Chorus); 15 Stevens, North; 23 Second Street, Bangor.

SEZAK, SAMUEL (1939); B.A. in Ed., Maine, 1931; Assistant Faculty Manager of Athletics; Memorial Gymnasium; 4 Gilbert Street.

SMALL, GEORGE WILLIAM (1929); B.A., Tennessee, 1915; M.A., Johns Hopkins, 1921; Ph.D., 1922; B.Litt., Oxford, 1927; Professor of English, member of Graduate Faculty; 250 Stevens; 15 Pleasant Street.

SMITH, HARRY WOODBURY (1912); B.S., Maine, 1909; M.S., 1922; Ph.D., Rutgers, 1934; Professor of Biochemistry, member of Graduate Faculty; 15 Winslow; 382 College Avenue.

SMITH, LESLIE FRANCIS (1938); M.A., Glasgow University, 1926; A.M., Columbia, 1929; Ph.D., 1940; Assistant Professor of Classics, member of Graduate Faculty, and cooperating member of the faculty of the School of Education; 110 Stevens; 102 North Main Street.

SMITH, PAYSON (1940); A.M., Tufts, 1903; Litt.D., Bates, 1909; Litt.D., Bowdoin, 1909; Ed.D., Rhode Island State Teachers College, 1926; Ed.D., Colby, 1940; LL.D., Maine, 1908; LL.D., Norwich University, 1928; LL.D., Springfield College, 1934; LL.D., Northeastern University, 1935; Professor of Education; 16 Stevens, South; Peak's Island, Portland.

SMYTH, JOHN ROBERT (1929); B.S., Purdue, 1920; M.S., Kentucky, 1928; Professor and Head of Department of Poultry Husbandry; Poultry Building; 50 College Avenue.

SNIESZKO, STANISLAS FRANCIS (1940); Ph.D., Jagellonian University, Krakow, Poland, 1926; Instructor in Bacteriology; 13 Winslow; 109 Main Street.

- SNYDER, MARY ELLA (1936) ; A.B., Gooding College, 1919 ; M.S., Iowa State College, 1936 ; Assistant Professor of Home Economics ; 25a Merrill ; 69 Bennoch Street.
- SPARROW, THERON ALONZO (1926) ; B.S., Maine, 1924 ; M.S., 1938 ; Assistant Professor of Mechanical Engineering ; 14 Lord ; 100 Main Street.
- SPEICHER, BENJAMIN ROBERT (1937) ; A.B., Denison, 1929 ; M.S., Pittsburgh, 1931 ; Ph.D., 1933 ; Associate Professor of Zoology, member of Graduate Faculty ; 23 Coburn ; 104 North Main Street.
- SPRAGUE, ADELBERT WELLS (1916) ; B.S., Maine, 1905 ; A.M., Harvard, 1907 ; Professor and Head of Department of Music, and cooperating member of the faculty of the School of Education ; 15 Stevens, North ; 217 Union Street, Bangor.
- STARR, WILMARTH HOLT (1937) ; B.A., Wesleyan, 1934 ; Ph.D., Johns Hopkins, 1937 ; Assistant Professor of Romance Languages ; 9 Stevens, North ; 47 Forest Avenue.
- STEINBAUER, GEORGE PETER (1929) ; B.S., Minnesota, 1925 ; M.S., 1927 ; Ph.D., 1929 ; Associate Professor of Botany ; 8 Coburn ; 2 Riverdale.
- STEINMETZ, FERDINAND HENRY (1927) ; B.S., Illinois, 1915 ; M.S., Minnesota, 1921 ; Ph.D., 1926 ; Professor of Botany and Head of Department of Botany and Entomology, member of Graduate Faculty ; 24 Coburn ; 36 College Avenue.
- STEWART, JOHN EMMONS (1928) ; B.A., Maine, 1927 ; M.A., 1928 ; Assistant Professor of Mathematics ; 140 Stevens ; 136 Middle Street, Old Town.
- STORMANN, CHARLES LINWOOD (1937) ; Technician, Departments of Physics, Chemistry and Chemical Engineering, and Civil Engineering, and Technology Experiment Station ; 102 Aubert ; Spring Street, Stillwater.
- STUART, RICHARD KENNETH (1940) ; B.S., Rhode Island State College, 1938 ; M.S., 1940 ; Instructor in Economics ; 44 Stevens, South ; 15 Cedar Street.
- SWEETMAN, MARION DEYOE (1927) ; B.S., Iowa State College, 1921 ; M.S., 1922 ; Ph.D., Minnesota, 1927 ; Professor of Home Economics, member of Graduate Faculty ; 25 Merrill ; 16 University Place.
- SWIFT, HAROLD CLAYTON (1920) ; B.S., Maine, 1918 ; M.S., 1923 ; Assistant Professor of Agronomy and Agricultural Engineering ; 21 Agricultural Engineering Building ; 40 Wiley Street, Bangor.
- TAYLOR, FRANK MELROY (1940) ; B.S., Lafayette College, 1928 ; C.E., 1937 ; Instructor in Civil Engineering ; 11 Wingate ; 73 Broadway, Bangor.
- TOMLIN, WILBUR EVERETT (1930) ; A.B., Kentucky Wesleyan, 1926 ; A.M., Columbia, 1931 ; Instructor in Chemistry ; 335A Aubert ; 31 Hamlin Street.
- TREFETHEN, JOSEPH MUZZY (1938) ; A.B., Colby, 1931 ; M.S., University

- of Illinois, 1932; Ph.D., Wisconsin, 1935; Assistant Professor of Geology, Department of Civil Engineering; 2 Fernald; 24 Forest Avenue.
- TURNER, ALBERT MORTON (1922); A.B., Harvard, 1912; A.M., 1914; Ph.D., 1920; Professor of English and Comparative Literature, member of Graduate Faculty; 235 Stevens; 154 College Avenue.
- VANNAH, SHERMAN (1941); B.S., Maine, 1938; Instructor in Mechanical Engineering; 14 Lord; 74 North Main Street.
- VIGNERAS, LOUIS-ANDRÉ (1936); B. ès L., Université de Poitiers, 1920; B.A., Princeton, 1921; M.A., 1922; Ph.D., Harvard, 1934; Associate Professor of Romance Languages; 9 Stevens, North; 13 Pine Street.
- WALLACE, STANLEY MOORE (1922); Diploma, New Haven Normal School of Gymnastics, 1917; Professor and Head of Department of Physical Education; Memorial Gymnasium; 45 Park Street.
- WARING, JAMES HOWARD (1925); B.S., Pennsylvania State, 1920; M.S., 1921; Ph.D., Michigan State College, 1930; Professor and Head of Department of Horticulture, member of Graduate Faculty; Horticulture Greenhouse; 24 University Place.
- WATSON, HARRY DEXTER (1920); B.S., Maine, 1920; M.S., 1929; Professor and Head of Department of Mechanical Engineering, member of Graduate Faculty; 1 Lord; 7 University Place.
- WENCE, MILFORD EDWARD (1937); B.A., State University of Iowa, 1933; M.A., 1934; Ph.D., 1937; Assistant Professor of English; 220 Stevens; 6 Riverdale.
- WHITE, CALISTA KELLEY (1938); B.S., Vermont, 1927; M.A., St. Lawrence, 1932; Instructor in Home Economics; 35a Merrill; 48 Main Street.
- WHITMORE, ALBERT AMES (1918); B.S., Maine, 1906; M.A., 1917; Professor of History; 150 Stevens; 31B Mill Street.
- WHITNEY, VINCENT HEATH (1939); A.B., University of North Carolina, 1936; M.A., 1937; Instructor in Sociology; 42 Stevens, South; Stillwater Avenue, Stillwater.
- WHITNEY, WALTER REGINALD (1928); B.S., Bowdoin, 1923; A.M., Harvard, 1935; Assistant Professor of English; 345 Stevens; 9 Ledgehill Road.
- WILLARD, HARLEY RICHARD (1904); A.B., Dartmouth, 1899; A.M., 1902; A.M., Yale, 1910; Ph.D., 1912; Professor and Head of Department of Mathematics and Astronomy, member of Graduate Faculty, and co-operating member of the faculty of the School of Education; 130 Stevens; 100 Bennoch Street.
- WILLIAMS, ARTHUR OLNEY, JR., (1937); S.B., Massachusetts Institute of Technology, 1934; S.M., Brown, 1936; Ph.D., 1937; Assistant Professor of Physics; 314 Aubert; 75 Forest Avenue.
- WILLIAMS, STANLEY BURDG (1940); A.B., University of California at Los

- Angeles, 1934; M.A., 1937; Ph.D., Yale, 1940; Instructor in Psychology; 39 Stevens, North; 279 Main Street.
- WILSON, EDITH GRACE (1931); B.A., Southern California, 1923; M.A., 1928; Instructor in Sociology, Dean of Women; 8 Stevens, South; 16 University Place.
- WILSON, NORMAN EDWARD (1940); E.E., Cornell University, 1937; Instructor in Electrical Engineering; 3 Lord; 4 Summer Street.
- WITTER, JOHN FRANKLIN (1932); B.S., Maryland, 1928; D.V.M., Michigan State College, 1932; Assistant Professor of Animal Pathology; Poultry Building; 3 Riverdale.
- WOODBIDGE, DANA MATHER (1941); B.A., Wesleyan, 1934; M.A., University of Michigan, 1936; Instructor in English; 220 Stevens; 21 Grove Street.
- WOODBURY, HAROLD MACE (1937); B.S., Maine, 1937; Instructor in Physical Education; Memorial Gymnasium; 7 Park Lane.
-
- TURNER, PERCIE HOPKINS; A.B., Smith, 1917; A.M., 1920; A.M., Radcliffe, 1923; Ph.D., 1924; Lecturer in English; 154 College Avenue.
-
- ADAMS, AMY BELLE, B.A., Maine, 1927; M.A., 1931; Critic Teacher, School of Education; Old Town High School; 144 South Brunswick Street, Old Town.
- ARATA, MANNING NERI; B.S. in Ed., Boston University, 1930; M.S. in Ed., Maine, 1939; Critic Teacher, School of Education; Helen Hunt School, Old Town; 112 Veazie Street, Old Town.
- CROXFORD, HORACE ALCANDER; B.A., Maine, 1930; Instructor and Critic Teacher, School of Education; Orono High School; High School Road.
- GRANT, GRACE STETSON; A.B., Colby, 1907; A.M., Middlebury, 1935; Critic Teacher, School of Education; Orono High School; 80 Pine Street.
- GREGORY, GARDINER EMERSON; A.B., Colby, 1939; Critic Teacher, School of Education; Old Town High School; 285 Center Street, Old Town.
- JORDAN, MARION LUELLA; B.A., Maine, 1914; Critic Teacher, School of Education; Old Town High School; 7 Willow Street, Old Town.
- MILLER, LOUISE BROOKES; B.A., Bethany, 1931; Critic Teacher, School of Education; Orono High School; 66 College Avenue.
- ROBINSON, VEYSEY HIRAM; B.Ped., Maine, 1917; Instructor and Critic Teacher, School of Education; Old Town High School; 183 Stillwater Avenue, Old Town.
- SIMMONS, DANA MAXWELL; B.S., Colby, 1931; Critic Teacher, School of Education; Orono High School; 34 Forest Avenue.

SWEETSER, LAWRENCE RICHARDSON; B.S., Maine, 1932; Critic Teacher, School of Education; Orono High School; 66 College Avenue.

*BROWN, CHARLES PHILIP; B.S., New York State College of Forestry, 1935; Graduate Assistant in Wildlife Conservation; 9 Coburn; 10 Gilbert Street.

CLARK, ELDON RALPH; B.S., Maine, 1940; Graduate Assistant in Wildlife Conservation; 9 Coburn; 23 Park Street.

COOPER, JAMES, JR.; B.Ch.E., Pratt Institute, 1940; Graduate Assistant, Department of Chemistry and Chemical Engineering; 375 Aubert; 64 Hill Street.

DOBBS, WALTER BENEDICT; Assistant, Department of Physical Education; Memorial Gymnasium; 81 Main Street.

DYER, HAROLD JACOBSEN; B.S., Maine, 1940; Graduate Assistant in Wildlife Conservation; 9 Coburn; Sigma Alpha Epsilon House.

GARLAND, FREDERICK WARREN, JR.; B.S., New Hampshire, 1941; Graduate Fellow in Animal Pathology; Poultry Building; 25 Myrtle Street.

GOMBERT, GORDON LOUIS; B.S., Kent State University, 1941; Graduate Assistant, Department of Chemistry and Chemical Engineering; 372 Aubert; 43 Peters Street.

GOODWIN, HARRY ALLAN; B.A., Saint Anselm's College, 1939; Graduate Assistant, Department of Zoology (William Converse Kendall Memorial Fellow); 9 Coburn; 23 Park Street.

GUTHRIE, ROBERT; B.A., Minnesota, 1940; Graduate Fellow in Bacteriology; 13 Winslow; 54 Pine Street.

HASLOP, REBECCA ELAINE EMILY; B.A., Linfield College, 1940; Graduate Assistant, Department of Chemistry and Chemical Engineering; 372 Aubert; 35 Grove Street.

MACBRIDE, DOROTHY HELENA; B.A., University of New Brunswick, 1940; Graduate Assistant in Zoology; 30A Coburn; 164 College Avenue.

MENNES, NORMAN ALFRED; Assistant, Department of Speech; 240 Stevens; 4 Myrtle Street.

MURPHY, JOHN JAMES; B.S., Holy Cross, 1941; Graduate Assistant in Physics; 406 Aubert; 40 College Avenue.

NASON, BEVERLY ROSS; B.S., Maine, 1939; Graduate Assistant, Department of Chemistry and Chemical Engineering; 375 Aubert; Box 6, Bradley.

PRATT, VIRGIL STEWART; B.S., Maine, 1941; Graduate Assistant, Department of Zoology (William Converse Kendall Memorial Fellow); 9 Coburn; Bennoch Road, Stillwater.

*Appointment as Instructor in Game Management effective February 1, 1942.

- ROGERS, JOHN CLINTON; B.S., Vermont, 1940; Graduate Fellow in Dairy Husbandry; 28 Rogers; 7 Park Street.
- SHIGLEY, JAMES WILLIAM; B.S., Pennsylvania State, 1940; Graduate Fellow in Biochemistry; 15 Winslow; 38 Oak Street.
- SIMPSON, VERNE GERALD; B.S., South Dakota State College, 1940; Graduate Assistant, Department of Chemistry and Chemical Engineering; 372 Aubert; 430 College Avenue.
- STAPLES, ORMOND ADOLPH; B.S., Maine, 1941; Graduate Assistant in Wildlife Conservation; 9 Coburn; 14 Park Street.
- STINCHFIELD, ROGER MAXIM; B.S., Maine, 1939; Graduate Assistant, Department of Chemistry and Chemical Engineering; 375 Aubert; 230 Main Street.
- TAKOS, MICHAEL JAMES; B.S., Pennsylvania State, 1940; Graduate Assistant in Wildlife Conservation; 9 Coburn; 69 Forest Avenue.
- THURSTON, FREDERICK CLARK; B.A., Maine, 1940; Graduate Assistant in English; 345 Stevens; 183 Hammond Street, Bangor.
- WRIGHT, CHARLES MILTON; B.S., Illinois, 1940; Graduate Fellow in Botany; 26 Coburn; 51 North Main Street.
- YOUNG, HUGH EDWIN; B.S. in Ed., Maine, 1940; Graduate Assistant in Economics; 46 Stevens, South; 222 Elm Street, Bangor.

MAINE AGRICULTURAL EXPERIMENT STATION

COUNCIL

ARTHUR ANDREW HAUCK, Ph.D., LL.D.	<i>President</i>
FRED GRIFFEE, Ph.D.	<i>Secretary</i>
FRANK WASHBURN HUSSEY, B.S., Presque Isle	} <i>Committee of Trustees</i>
WILLIAM STOCKDALE NUTTER, M.A., Sanford	
FRANK PORTER WASHBURN, Perry	
ARTHUR LOWELL DEERING, Sc.D.	
	<i>Dean of the College of Agriculture and Director, Extension Service</i>
CARL RAYMOND SMITH, Augusta	<i>Commissioner of Agriculture</i>
VINCENT WALTER CANHAM, Lewiston	<i>State Grange</i>
WILLIAM JEWETT RICKER, Turner	<i>State Pomological Society</i>
FRED JEWETT NUTTER, Corinna	<i>State Dairymen's Association</i>
WILLIAM GEORGE HUNTON, Portland	<i>Honorary Member</i>
ROBERT HAMILTON BOOTHBY, Livermore Falls	<i>Maine Livestock Breeders' Association</i>
CHARLES CONANT CLEMENTS, Winterport	<i>Maine Poultry Improvement Association</i>
FRED PORTER HAGAN, Houlton	<i>Representative of Aroostook Potato Growers</i>
MELBOURNE ASHLEY SANBORN, Dover-Foxcroft	<i>Representative of Central Maine Potato Growers</i>

Members of the Station Staff

ELMER ROBERT TOBEY, Ch.E.	JOSEPH ANTHONY CHUCKA, Ph.D.
DONALD FOLSOM, Ph.D.	FREDERICK BARKER CHANDLER, Ph.D.
CHARLES HENRY MERCHANT, Ph.D.	RUSSELL MANLEY BAILEY, B.S.
PEARL STUART GREENE, A.M.	MARY MORRIS CLAYTON, Ph.D.
WILLIAM FRANKLIN DOVE, Ph.D.	BERNIE ELLIOTT PLUMMER, JR., M.S.
FRANK HEIDTMAN LATHROP, Ph.D.	DELMAR SIMON FINK, Ph.D.
CHARLES HARRY WHITE, Ph.C.	JOHN HENRY HAWKINS, Ph.D.
REINER BONDE, Ph.D.	MILLARD GEORGE MOORE, M.S.
GEORGE FARRINGTON DOW, Ph.D.	ARCHIBALD FRANK ROSS, Ph.D.
MARION DEYOE SWEETMAN, Ph.D.	

FACULTY OF INVESTIGATION

ARNO, JOHN RAYMOND, Assistant Soil Surveyor.

B.S., Maine, 1936; M.S., 1938.

BAILEY, RUSSELL MANLEY, Associate Geneticist.

B.S., Maine, 1928.

BONDE, REINER, Associate Plant Pathologist.

B.S., Minnesota, 1922; M.S., Maine, 1926; Ph.D., Minnesota, 1938.

BRAUTLECHT, CHARLES ANDREW, Chemist.

Ph.B., Yale, 1906; Ph.D., 1912.

BUCK, RAYMOND WILBUR, JR., Graduate Fellow in Plant Breeding.

B.S., Maine, 1941.

BURGESS, IVA MERCHANT, Assistant Geneticist.

B.S., Maine, 1923; M.S., 1925.

CHANDLER, FREDERICK BARKER, Associate Plant Physiologist.

B.S., Maine, 1928; Ph.D., Maryland, 1939.

CHUCKA, JOSEPH ANTHONY, Agronomist.

B.S., Wisconsin, 1927; M.S., 1928; Ph.D., 1930.

CLAYTON, MARY MORRIS, Nutritionist.

B.S., Columbia, 1918; M.S., Rochester, 1926; Ph.D., 1929.

‡CYR, JOSEPH WILFRED, Assistant in Agronomy.

A.B., Assumption College, 1939; B.S., Maine, 1942.

DOVE, WILLIAM FRANKLIN, Biologist.

B.S., Iowa State College, 1922; M.S., Wisconsin, 1923; Ph.D., 1927.

DOW, GEORGE FARRINGTON, Associate Agricultural Economist.

B.S., Maine, 1927; M.S., 1929; Ph.D., Cornell University, 1938.

FINK, DELMAR SIMON, Associate Agronomist.

B.S., Wisconsin, 1930; M.S., 1931; Ph.D., 1934.

FOLSOM, DONALD, Plant Pathologist.

A.B., Nebraska, 1912; M.A., Minnesota, 1914; Ph.D., 1917.

§GETCHELL, AMASA STANLEY, Assistant in Chemistry.

B.S., Maine, 1938; M.S., 1940.

*GETCHELL, JOHN SIMMONS, Assistant in Bacteriology.

B.A., Maine, 1936; M.S., 1939.

GREENE, PEARL STUART, Home Economist.

B.A., Northwestern, 1909; B.S., Lewis Institute, 1914; A.M., Columbia, 1923.

* On leave of absence, 1941-42.

‡ Appointment effective February 1, 1942.

§ Appointment effective January 1, 1942.

GRIFFEE, FRED, Director.

B.S., Kansas State College, 1919; M.S., Minnesota, 1920; Ph.D., 1924.

*HARRINGTON, JOSEPH LEONARD, Assistant in Agronomy.

B.S., Maine, 1940.

HAWKINS, ARTHUR, Assistant Agronomist.

B.S., Rutgers, 1934; M.S., 1936.

HAWKINS, JOHN HENRY, Associate Entomologist.

B.S., Illinois, 1926; M.S., Maine, 1927; Ph.D., Cornell University, 1935.

HILBORN, MERLE TYSON, Assistant Plant Pathologist.

B.S., Maine, 1932; M.S., 1934; Ph.D., Yale, 1940.

INMAN, CHARLES CLYDE, Administrative Assistant.

LATHROP, FRANK HEIDTMAN, Entomologist.

B.S., Clemson, 1913; M.S., Ohio State, 1915; Ph.D., 1923.

LOVEJOY, DELMAR BOYNTON, Assistant Soil Surveyor.

B.S., Maine, 1928; M.S., Wisconsin, 1935.

MAGUIRE, MARIE LOUISE, Assistant in Biology.

A.B., Bennington College, 1937.

MASON, IRVIN CARROLL, Assistant in Plant Physiology.

B.S., Maine, 1930; M.S., 1932.

MERCHANT, CHARLES HENRY, Agricultural Economist.

B.S., Cornell University, 1920; M.S., 1922, Ph.D., 1928.

*MERRILL, EDWARD OSGOOD, Assistant in Chemistry.

B.S., Maine, 1938.

MONROE, Merna MYRTHA, Assistant Home Economist.

B.S., Iowa State College, 1929; M.S., Kansas State College, 1932.

MOORE, MILLARD GEORGE, Assistant Chemist and Associate Bacteriologist.

B.S., Maine 1919; M.S., 1930.

MURPHY, ELIZABETH FLORENCE, Assistant Biologist.

B.A., Maine, 1930; M.A., 1934.

†PERKINS, GLENN HAROLD, Assistant Chemist.

B.S., Maine, 1930; M.S., 1931.

PERRIN, DONALD HERBERT, Assistant in Entomology.

B.S., Maine, 1939.

PLUMMER, BERNIE ELLIOTT, JR., Associate Chemist.

B.S., Maine, 1924; M.S., 1925.

PORTER, WESLEY FLETCHER, Assistant Entomologist.

B.S., Maine, 1923.

ROSS, ARCHIBALD FRANK, Associate Biochemist.

B.S., Missouri, 1933; M.A., 1934; Ph.D., Wisconsin, 1937.

* On leave of absence, 1941-42.

† Resignation effective December 31, 1941.

SCHRUMPF, WILLIAM ERNEST, Assistant Agricultural Economist.

B.S., Maine, 1928; M.S., 1930.

*SIBLEY, CHARLES BYRON, Assistant in Bacteriology.

B.S., Maine, 1937.

SIMPSON, GEDDES WILSON, Assistant Entomologist.

A.B., Bucknell, 1929; A.M., Cornell University, 1931; Ph.D., 1935.

SNIESZKO, STANISLAS FRANCIS, Assistant Plant Pathologist.

Ph.D., Jagellonian University, Krakow, Poland, 1926.

STEINBAUER, GEORGE PETER, Seed Analyst.

B.S., Minnesota, 1925; M.S., 1927; Ph.D., 1929.

SWEETMAN, MARION DEYOE, Collaborating Home Economist.

B.S., Iowa State College, 1921; M.S., 1922; Ph.D., Minnesota, 1927.

TOBEY, ELMER ROBERT, Chemist.

B.S., Maine, 1911; M.S., 1917; Ch.E., 1920.

†UPTON, FRANK ERIC, Assistant in Agronomy.

B.S., Maine, 1940.

WATSON, ANDREW ELWELL, Assistant Agricultural Economist.

B.S., Maine, 1934; M.S., 1936.

WHITE, CHARLES HARRY, Associate Chemist and Photographer.

Ph.C., Maine, 1899.

* On leave of absence, 1941-42.

† Resignation effective December 31, 1941.

MAINE TECHNOLOGY EXPERIMENT STATION

BOARD OF CONTROL

PAUL CLOKE, E.E., Eng.D.	Director
HAROLD WALTER LEAVITT, M.S., C.E.	Secretary
WILLIAM FRANCIS SCAMMAN, M.A.	Editor of Publications
*WILBER ELMORE BRADT, Ph.D.	
	Department of Chemistry and Chemical Engineering
†IRWIN BRUCE DOUGLASS, Ph.D.	
	Department of Chemistry and Chemical Engineering
WESTON SUMNER EVANS, M.S.	Department of Civil Engineering
WILLIAM EDWARD BARROWS, B.S., E.E.	
	Department of Electrical Engineering
CLARENCE EDWIN BENNETT, Ph.D.	Department of Engineering Physics
HARRY DEXTER WATSON, M.S.	Department of Mechanical Engineering
PAUL DeCOSTA BRAY, B.S., Ch.E.	Division of Pulp and Paper Technology

MEMBERS OF THE STATION STAFF

EARL FREEMAN BENNETT, S.M., Research Assistant on Soils; and Assistant Professor of Civil Engineering
WARREN HERBERT BLISS, M.S., E.E., Assistant Professor of Electrical Engineering
ROBERT BRUCE BRADFORD, B.S., Highway Laboratory Assistant Engineer
CHARLES ANDREW BRAUTLECHT, Ph.D., Professor of Chemistry and Chemical Engineering
JOHN GEORGE LESLIE CAULFIELD, M.S., Assistant Professor of Pulp and Paper Technology
PAUL CLOKE, E.E., Eng.D., Director; Dean of the College of Technology; and Professor of Electrical Engineering
WALTER JOSEPH CREAMER, B.S., E.E., B.A., Professor of Communication Engineering
IRWIN BRUCE DOUGLASS, Ph.D., Assistant Professor of Chemistry
WESTON SUMNER EVANS, M.S., Professor of Civil Engineering
ARTHUR ST. JOHN HILL, M.S.E., E.E., Professor of Electrical Engineering
LYLE CLAYTON JENNESS, M.S., Associate Professor of Chemical Engineering

* On leave of absence, 1941-42.

† Acting Head of Department, 1941-42.

HAROLD WALTER LEAVITT, M.S., C.E., Secretary, and Testing Engineer,
Professor of Highway Engineering; and Testing Engineer, Maine State
Highway Commission

MATTHEW MCNEARY, M.S., Instructor in Engineering Drafting

WILLIAM JOHN NOLAN, Ph.D., Associate Professor of Chemical Engineering

*CARL EVERETT OTTO, Ph.D., Associate Professor of Chemistry

HORACE ASA PRATT, M.S., Assistant Engineer

CLAYTON LEONARD SAWYER, B.A., Highway Laboratory Assistant Chemist

THERON ALONZO SPARROW, M.S., Assistant Professor of Mechanical Engineering

*JOHN HENRY SWEATT, B.A., Bituminous Chemist for the Maine State Highway Commission

JOSEPH MUZZY TREFETHEN, Ph.D., Assistant Professor of Geology in the
Department of Civil Engineering

HARRY DEXTER WATSON, M.S., Professor of Mechanical Engineering

* On leave of absence, 1941-42.

FACULTY OF EXTENSION SERVICE**(College of Agriculture)**

ARTHUR LOWELL DEERING, Director.

B.S., Maine, 1912; Sc.D., 1934

GEORGE EDGAR LORD, Assistant Director.

B.S., Maine, 1924

State Agents

RAYMON NEALE ATHERTON, Extension Economist, Marketing.

B.S., Maine, 1918

KATHRYN ELIZABETH BRIWA, Foods Specialist.

A.B., Vassar, 1915

PAULINE SMITH BUDGE, Assistant State Club Leader.

B.S., Maine, 1935

CHARLOTTE ELIZABETH CLEAVES, Clothing Specialist.

B.S., Maine, 1931

EDNA MANSFIELD COBB, Home Management Specialist.

B.S., Cornell University, 1928

RALPH ASHTON CORBETT, Assistant Dairy Specialist.

B.S., Maine, 1930

CLARENCE ALBERT DAY, Extension Editor.

M.S., Maine, 1929

RICHARD CARLTON DOLLOFF, County Agent Leader.

B.S., Maine, 1927

ALBERT KINSMAN GARDNER, Crops Specialist.

B.S., Maine, 1910

MILON GEORGE HUBER, Extension Agricultural Engineer.

B.S., Wisconsin, 1929; B.S., 1932

KENNETH COUSINS LOVEJOY, State Club Leader.

B.S., Maine, 1928

GUSTAVUS ABBOTT McLAUGHLIN, Extension Economist, Farm Management.

B.S., Maine, 1937

STACY ROSS MILLER, Land Use Planning Specialist.

B.S., Maine, 1932

BRUCE BEAR MINER, Assistant Extension Editor.

B.S., Cornell University, 1935

- WENDALL EARL MOSHER, Executive Secretary to Director of Extension.
B.S., Maine, 1929
- ESTELLE NASON, Home Demonstration Agent Leader.
B.S., Maine, 1922
- ALBERT DEANE NUTTING, Forestry Specialist.
B.S., Maine, 1927
- DONALD WINSLOW REED, Extension Economist, Marketing.
B.S., Maine, 1922
- FRANK DUDLEY REED, Poultry Specialist.
B.S., New Hampshire, 1929
- RICHARD FOSTER TALBOT, Dairy Specialist.
B.S., Maine, 1907
- OSCAR LEWIS WYMAN, Assistant Crops Specialist.
B.S., Maine, 1926

County Agents

- VERNE CURTIS BEVERLY, Aroostook County.
B.S., Maine, 1920
- RICHARD FRANCIS BLANCHARD, Oxford County.
B.S., Maine, 1931
- CHARLES LESLIE EASTMAN, Androscoggin and Sagadahoc Counties.
B.S., Maine, 1922
- FRANK WILBUR HAGAN, Somerset County.
B.S., Maine, 1933
- CLYDE ELWIN HIGGINS, Washington County.
B.S., Maine, 1936
- BRYCE MEREDITH JORDAN, Assistant County Agent, Aroostook County.
B.S., Maine, 1926
- RAYMOND HARWOOD LOVEJOY, York County.
B.S., Maine, 1918
- WESLEY SPAULDING NORTON, Kennebec County.
B.S., Maine, 1935
- PHILIP STEWART PARSONS, Waldo County.
B.S., Maine, 1934
- WILLIAM SLOAN PLUMER, District County Agent, Cumberland and York Counties.
B.S., Ohio State, 1936
- COLEMAN CEDRIC RANDALL, Franklin County.
B.S., Maine, 1933

LEWIS POLLARD ROBERTS, Piscataquis County.

B.S., Maine, 1931

WILFRED SHERMAN ROWE, Cumberland County.

*MELZOR STETSON SMITH, Penobscot County.

B.S., Maine, 1931

GARDNER BERRY TIBBETTS, Hancock County.

B.S., Maine, 1922

†HUBERT TRACY, Assistant County Agent, Penobscot County.

B.S., Maine, 1931

RALPH CARLTON WENTWORTH, Knox and Lincoln Counties.

B.S., Maine, 1918

CARL ALLEN WORTHLEY, Assistant County Agent, Aroostook County.

B.S., Maine, 1936

Home Demonstration Agents

MARY LENA BATES, Washington County.

B.S., Maine, 1941

MARY ELLEN BUCK, Kennebec County.

B.S., Maine, 1940

CLARA ERNESTINE CARVER, Franklin County.

B.S., Maine, 1941

AGNES FREYER GIBBS, Cumberland County.

B.S., Framingham Normal, 1926

BARBARA HIGGINS, Waldo County.

B.S., Maine, 1930

GLADYS WINNIFRED MARBLE, York County.

S.B., Simmons, 1919

SARA LOUISE McCOMB, Piscataquis County.

B.S., Farmington, 1934

MARGARET HALL PEASLEE, Aroostook County.

B.S., Maine, 1940

DOROTHY ELIZABETH PHAIR, Somerset County.

B.S., Maine, 1940

LUCINDA EWER RICH, Knox and Lincoln Counties.

B.S., Maine, 1937

ADA MILDRED ROGERS, Hancock County.

B.S., Farmington Normal, 1934

*Resignation effective December 31, 1941.

†Appointment as County Agent, Penobscot County, effective January 1, 1942.

FACULTY

41

JENNIE MAY SWETT, Penobscot County.

B.S., Nason, 1933

ETHEL A. WALSH, Oxford County.

B.S., Simmons, 1940

MARY LOUISE WRIGHT, Androscoggin and Sagadahoc Counties.

B.S., Maine, 1938

County Club Agents

EARLE THEODORE BLODGETT, York County.

B.S., Maine, 1927

RAYMOND FREDERICK DELANO, Waldo County.

B.S., Maine, 1941

CAMILLA DOAK, Aroostook County.

B.S., Maine, 1941

HELENGRACE LANCASTER, Kennebec County.

B.S., Maine, 1940

HERBERT ARTHUR LEONARD, Cumberland County.

B.S., Maine, 1939

ELIZABETH LIBBEY, Penobscot County.

B.S., Maine, 1940

WALTER EDWIN POTTER, Oxford County.

B.S., Maine, 1940

WAYNE SCHERMERHORN RICH, Androscoggin and Sagadahoc Counties.

B.S., Maine, 1934

ANNA MARGARETHA SIMPSON, Knox and Lincoln Counties.

B.S., Maine, 1940

FACULTY COMMITTEES

1941-42

ADMINISTRATION—President, College Deans, Dean of Men, Dean of Women,
Business Manager, Registrar, Treasurer.

ASSEMBLIES—Lutes, Loring, Morrow, Sprague, Watson, H. D.

ATHLETICS—Corbett, Gardner, A. K., Kent.

COE RESEARCH FUND—Dickinson, Ashby, Brautlecht, Griffee, Hill, A. S.,
Hitchner, Peterson, Steinmetz.

ELIGIBILITY—Gannett, Curtis, T. S., Sprague, Wilson, E. G.

FINANCIAL AFFAIRS—Youngs, Kent, Pierce.

HEALTH—Corbett, Hall, W. C., Lengyel, Wallace, Wilson, E. G.

MAINE STUDIES—Hitchner, Douglass, Ellis, Ibbotson, Lutes, Morrow,
Peterson.

MILITARY—Fuller, Hauck, Cloke, Deering, Lutes, Murray.

RADIO—Crossland, Creamer, Larsen, Lathrop, Loring, Roberts.

SCHEDULE—Gannett, Dorsey, Evans, Jordan, College Deans.

SECONDARY SCHOOL RELATIONS—Crane, Cloke, Deering, Lutes, Murray.

SCHOLARSHIPS—Brann, Chadbourne, A. H., Crane, Crosby, Greene,
Lamoreau, Loring, Prageman.

SOCIAL AFFAIRS—Stewart, Corbett, Libby, W. C., Watson, H. D., Wilson,
E. G.

WOMEN STUDENTS—Wilson, E. G., Buzzell, Chadbourne, A. H., Crandon,
Greene, Lengyel, Nesbitt, Margaret.

GENERAL INFORMATION

HISTORY

The University of Maine is a part of the public educational system of the State. It was established originally as the State College of Agriculture and the Mechanic Arts under the provisions of the Morrill Act, approved by President Lincoln in 1862. The next year the State of Maine accepted the conditions of the Act and in 1865 created a corporation to administer the affairs of the college.

The institution opened September 21, 1868, with a class of twelve members and a faculty of two teachers; Dr. Merritt Caldwell Fernald was appointed acting president. By 1871 four curricula had been arranged—Agriculture, Civil Engineering, Mechanical Engineering, and Elective. From these curricula there gradually developed the Colleges of Agriculture, Technology, and Arts and Sciences. Women have been admitted as students since 1872, in compliance with special legal enactment. The original name was changed to the University of Maine in 1897. The School of Education was established in 1930.

The Maine Agricultural Experiment Station was established as a division of the University by act of the Legislature of 1887, as a result of the passage by Congress of the Hatch Act. It succeeded the Maine Fertilizer Control and Agricultural Experiment Station, which had been established in 1885.

The College of Law was opened in 1898. It was originally located in Bangor in proximity to the several courts holding regular sessions in that city. Later it was located on the campus at Orono. The College of Law was discontinued in 1920.

Graduate instruction has been given by various departments for many years. The first master's degree was conferred in 1881. Since 1923 graduate work has been a separate division in charge of a dean.

Beginning with 1902, a Summer Session has usually been held annually, consisting at first of five weeks, but now of six. It is designed primarily for teachers and educational administrators and for college students who desire to make up work or secure additional credits.

To provide permanently for the support of the University, the Legislature in 1929 passed an act levying a tax of one mill on the general property valuation of the State.

The University is controlled by a Board of Trustees. The first Board

was composed of sixteen members, each county delegation in the Legislature selecting one member. Various changes have occurred in the method of appointment of Trustees. At the present time seven members are appointed by the Governor of the State, with the advice and consent of the Council, for a term of seven years. One member is appointed for three years by the Governor upon the nomination of the Alumni Association. The Commissioner of Education is ex officio a member of the Board.

The institution has been served by the following presidents: Rev. Charles Frederick Allen, Dr. Merritt Caldwell Fernald, Dr. Abram Winegardner Harris, Dr. George Emory Fellows, Dr. Robert Judson Aley, Dr. Clarence Cook Little, Dr. Harold Sherburne Boardman, and Dr. Arthur Andrew Hauck.

LOCATION

The University is located in Orono, an attractive town of 3,700 population on the main line of the Maine Central Railroad. It is about half way between Kittery, the most southerly town in the State, and Fort Kent, the most northerly.

The extensive campus of over two hundred acres, situated about a mile from the business section of Orono, borders the Stillwater River, a branch of the Penobscot, and is of great beauty. The University is approximately nine miles distant from Bangor and three miles from Old Town. Route 2, passing the campus, connects it with these cities and offers easy access by automobile.

Bangor, the third city of the State in size, has a population of about 30,000 and is an important business center. The location of the University gives students an opportunity to avail themselves of its various advantages. Old Town is a manufacturing city with about 7,700 inhabitants.

ORGANIZATION OF THE UNIVERSITY

General Organization

The Board of Trustees has supreme authority in all matters pertaining to the University, and all policies applying to the University as a whole must be approved by the Board of Trustees. Administrative units of the University include the College of Agriculture, College of Arts and Sciences,

College of Technology, School of Education, Graduate Study, Summer Session, Agricultural Extension Service, Maine Agricultural Experiment Station, and Maine Technology Experiment Station. Each division regulates those affairs which concern itself alone.

College of Agriculture

Curricula in Agricultural Economics and Farm Management, Agricultural Education, Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, Biochemistry, Botany, Dairy Husbandry, Dairy Technology, Entomology, Forestry, Home Economics, Horticulture, Poultry Husbandry, and Wildlife Conservation.

Two-Year Course in Agriculture.

Short Courses in Agriculture.

Farm and Home Week.

College of Arts and Sciences

Curricula in an approved field of concentration or in any of the following departmental subjects: Chemistry, Classics, Economics, English, German, Government, History, Mathematics, Philosophy, Physics, Psychology, Romance Languages, Sociology, Speech, and Zoology.

All curricula are designed to provide a broad cultural foundation for whatever vocation or profession may be pursued. In the junior and senior years, attention is concentrated upon the field of major interest.

School of Education

Professional training is offered for secondary-school teachers and prospective principals and supervisors in the public schools, and to a limited extent in elementary education. For these curricula the degree of Bachelor of Arts in Education is given for those who have spent at least two years in a liberal arts college, and the degree of Bachelor of Science in Education for those who transfer from normal schools or other types of institutions.

Three special curricula are also offered as follows: in commercial education for those transferring from certain approved commercial schools, leading to the degree of Bachelor of Science in Commercial Education; in music education for students transferring from the Northern Conservatory, leading to the degree of Bachelor of Science in Music Education; and in fine

arts education for students completing an approved curriculum in the Portland School of Fine and Applied Art and Westbrook Junior College, leading to the degree of Bachelor of Science in Fine Arts Education.

College of Technology

Curricula in Chemical Engineering with Pulp and Paper Division; Chemistry; Civil Engineering, with elective groups of studies in Highway, Hydraulic, and Sanitary Engineering, Soil Mechanics, and City Management; Electrical Engineering, with elective groups of studies in Communication, and Light and Power; Engineering Physics; General Engineering; and Mechanical Engineering.

Graduate Study

Programs of study leading to the degrees of Master of Arts, Master of Science, and Master of Education are available in most departments. The professional degrees of Chemical Engineer, Civil Engineer, Electrical Engineer, Forest Engineer, and Mechanical Engineer are granted upon completion of the appropriate requirements.

Maine Agricultural Experiment Station

Offices and principal laboratories at Orono; Highmoor Farm at Monmouth; Aroostook Farm at Presque Isle; Chapman Farm at Chapman.

Maine Technology Experiment Station

Offices and principal laboratories at Orono.

Summer Session

A session of six weeks is maintained for teachers and college students. Work is offered in about twenty subjects.

BUILDINGS

BALENTINE HALL (1914-1916).—A women's dormitory, with accommodations for 115 students and an infirmary. Named in honor of Elizabeth Abbott Balentine, secretary and registrar of the University, 1894-1913.

COLVIN HALL (1930).—A women's dormitory with accommodations for forty-eight students. Named in honor of Dr. Caroline Colvin, Professor Emeritus of History and Government and the first dean of women at the University.

ESTABROOKE HALL (1940).—A women's dormitory consisting of two sections with accommodations for 160 students. Named in honor of Kate Clark Estabrooke, a former superintendent of the first women's dormitory, the Mount Vernon House.

THE ELMS.—A women's cooperative dormitory located on College Avenue near the Stillwater bridge and accommodating fifty-four students.

HANNIBAL HAMLIN HALL (1911).—A freshman men's dormitory with accommodations for 153 students. Named for the Hon. Hannibal Hamlin, of Hampden and Bangor, the first president of the Board of Trustees.

NORTH HALL.—A freshman men's dormitory with accommodations for twenty-eight students.

OAK HALL (1937).—A modern, fireproof dormitory housing ninety-five freshman men students. This new building, like the "Oak Hall" built in 1871, which it replaces, is named for the Hon. Lyndon Oak, of Garland, a long-time member and president of the Board of Trustees.

ALUMNI HALL (1901) contains the administrative offices, the gymnasium for women, and the Little Theatre. It received its name because of contributions made by alumni to supply a part of the funds for its erection.

ALUMNI MEMORIAL, consisting of an Indoor Field, Armory, and Gymnasium, was erected as a memorial to the Maine men who died in the service of their country in the Spanish-American and World Wars. It cost nearly \$500,000, and is the gift of alumni, students, faculty, and friends of the University. The Indoor Field (1926), one of the largest in the country, provides ample facilities for indoor track, winter baseball practice, and military drill. The Armory (1926) houses offices and classrooms of the military unit, including an indoor rifle range. The Gymnasium (1933) contains the offices of the Athletic and Physical Education departments, equipment and training rooms for handball, boxing, wrestling, and corrective exercise, shower and locker rooms for students, faculty, and visiting teams, and an auditorium with a seating capacity of approximately 2500, used for basketball, lectures, student assemblies, banquets, and dances.

AUBERT HALL (1914) houses the Departments of Chemistry and Chemical Engineering, including the Pulp and Paper Division, and Physics. It was named in honor of Alfred Bellamy Aubert, professor of chemistry from 1874 to 1909. A wing was added in 1940 to increase the facilities in Chemical Engineering and the Pulp and Paper Division.

COBURN HALL (1888) houses the Department of Botany and Entomology and the Department of Zoology. It was named for the Hon. Abner Coburn, of Skowhegan, a former president of the Board of Trustees and benefactor of the University.

CROSBY LABORATORY (1928) contains the laboratories of the Department of Mechanical Engineering. It was named for the Hon. Oliver Crosby, Class of '76, who bequeathed \$100,000 for its construction.

FERNALD HALL (1870), the oldest building on the campus, contains offices and classrooms used by the College of Technology, the offices of the Alumni Association and the Placement Bureau, the University Store, and the quarters of the Health Department. It was named in honor of ex-President Merritt Caldwell Fernald.

HOLMES HALL (1888) is the building used by the Maine Agricultural Experiment Station. It received its name from Dr. Ezekiel Holmes, of Winthrop.

LIBRARY BUILDING (1906) was erected and furnished by the generosity of Andrew Carnegie, who gave \$55,000 for that purpose. The Hallowell Granite Works supplied the granite at a price equivalent to a gift of several thousand dollars.

LORD HALL (1904) is used by the Departments of Electrical Engineering and Mechanical Engineering. It was named for the Hon. Henry Lord, a former president of the Board of Trustees.

MERRILL HALL (1931) is devoted to work in Home Economics. It was named for Dr. Leon S. Merrill, dean of the College of Agriculture from 1911 to 1933.

ROGERS HALL (1928) houses the divisions of Animal Husbandry and Dairy Husbandry of the Department of Animal Industry and contains laboratories for the manufacture of dairy products. It was named in honor of Dr. Lore A. Rogers, Class of '96, chief of research laboratories, Bureau of Dairy Industry, U. S. Department of Agriculture.

STEVENS HALL (1924), with two wings constructed in 1933, supplies accommodations for the larger part of the work of the College of Arts and Sciences and also the School of Education. It was named in honor of Dr. James S. Stevens, for many years dean of the College of Arts and Sciences.

WINGATE HALL (1892) is used by the Departments of Civil Engineering and Engineering Drafting and in addition contains the Technology Experiment Station laboratories. It was named for the Hon. William P. Wingate, a former president of the Board of Trustees.

WINSLOW HALL (1909) is used by various departments of the College of Agriculture and the Extension Service. It was named for the Hon.

Edward B. Winslow, of Portland, a former president of the Board of Trustees.

Other buildings include the Agricultural Engineering Building, Horticultural Greenhouses, Milk House, Poultry Buildings, Research Building, Stock Judging Pavilion, Mechanical Engineering Shops, Maine Christian Association Building, Observatory, Men's Infirmary, Print Shop, Home Management House, the Central Heating Plant, the President's house, several residences occupied by faculty members, and various farm buildings.

MARINE STATION.—The University of Maine Marine Biological Station is located at East Lamoine on the northeast shore of Frenchman's Bay forty-five miles from the University. The buildings provide adequate housing for laboratories, research workers, students, and faculty. A pier with 400 foot frontage, row boats, and a motor boat, and various types of collecting apparatus facilitate marine investigation.

FRATERNITY HOUSES.—The local chapters of Beta Theta Pi, Delta Tau Delta, Kappa Sigma, Lambda Chi Alpha, Phi Kappa Sigma, Sigma Alpha Epsilon, Sigma Chi, Sigma Nu, Theta Chi, and the Phi Eta Kappa Society have houses on the campus. The following chapters own houses in the vicinity of the University: Alpha Gamma Rho, Alpha Tau Omega, Phi Gamma Delta, Phi Mu Delta, and Tau Epsilon Phi. These houses accommodate from twenty to fifty students each.

ATHLETIC FIELDS

ALUMNI FIELD.—Alumni Field, so called because funds required for its construction were contributed by the Alumni Association, is located at the northern end of the campus. It contains a quarter-mile cinder track, with a 220-yard straight-away, and is graded and laid out for football and track and field athletics. It contains grandstands with a seating capacity of 7,300 and also bleachers seating 2,600. Recent additions include varsity and freshman baseball grounds, regarded as two of the best in New England and conforming to all major-league field requirements, a freshman football field, practice football fields, seven clay tennis courts and one hard-surface court, and a hammer field.

ATHLETIC FIELD FOR WOMEN.—A field on the southern end of the campus consists of a regulation hockey field, archery range, two tennis courts, and a

large practice area. It is well lighted by flood lights for late afternoon activities. A field house on the western border contains a club room, a store room for athletic equipment, and a kitchenette. Besides serving for instruction and rest for teams not in action, it is used for picnics, social gatherings, and as a reading room.

UNIVERSITY FARMS

The University farms consist of approximately 670 acres divided into two farms, one of which adjoins the campus, while the other is located in Stillwater. These farmlands, together with the campus, make the University holdings at Orono and vicinity approximately 790 acres. The University also has the use of 1,758 acres of land under lease from the government. The land under cultivation amounts to 310 acres, divided as follows: 217 acres in farm crops, 13 in orchards, 2 in a forest nursery, 12 in poultry ranges, 43 in improved pasture, 3 in gardens, and 20 in systematic forestry. About 2,100 acres are in forest and pasture land.

THE LIBRARY

The University Library contained, at the end of the academic year, an estimated 185,484 volumes and pamphlets, including the following: Law Library, 5,600 volumes, available for reference at the Court House in Bangor; Agricultural Experiment Station Library, 10,350 volumes, on deposit in the library building; State of Maine Collection, 6,000 volumes, shelved in the Maine Room and provided with a special card catalog; the Clinton L. Cole Marine Library, 600 volumes, in memory of Clinton L. Cole, Maine, '00; University Collection, including publications by and about the University of Maine, its faculty, alumni, and students. About 2,200 graduate and undergraduate theses of the University of Maine are cataloged and available for reference. Files of *The Campus* and *The Maine Alumnus* have been indexed on cards. The Library receives currently about 1,480 periodicals.

In addition to the reference and periodical rooms, the Library provides special reading rooms for Agriculture, Education, and Technology, where are assembled the books, periodicals, indexes, and abstracts pertaining to these subjects.

The library building, the gift of Andrew Carnegie, was built in 1906. As the result of a campaign by alumni, faculty, students, and friends of the University, a new library building with ample space for study purposes is now being built.

Elementary instruction in the use of the library is given new students

during Freshman Week. This includes lectures and practice in the use of the catalog and magazine indexes.

While the University Library is not equipped to supply books to individuals outside the University, it is glad to lend books to other libraries and to graduates of the University when it can be done without interference with local needs. Transportation charges are payable by the borrower.

With certain exceptions, the library hours are: 8 a.m.-10:30 p.m., Monday-Thursday; 8 a.m.-9 p.m., Friday; 8 a.m.-5 p.m., Saturday; 2 p.m.-10:30 p.m., Sunday.

THE ART COLLECTION

The place of the Fine Arts in a college curriculum in extending the range and balance of the so-called cultural studies has been recognized at Maine for many years, and the art-teaching apparatus has grown to some 7,000 reproductions covering every important school and period of western art from the earliest Egyptian down to the "modern." The collection has been built up on the theory that architecture, sculpture, and painting have their recognized places in the story of human progress, and that these forms of expression have much to convey to the students of history, letters, and present-day social problems as well as to the special student of art.

The Carnegie Corporation gift of nearly 2,300 reproductions, many of these in color, gave the collection so much impetus in 1935 that special quarters for exhibition purposes were provided in the summer of 1937. The third floor of the south wing of Stevens Hall was made over into a gallery space of two rooms. The wall footage of the larger hall was augmented by a dozen movable panels providing thus some 700 square feet additional hanging space. This room displays approximately 600 reproductions, presenting a sketch of western art over a period of 5,000 years. Special stress is given to the art of ancient Greece, the Gothic age, and the period of the Italian Renaissance.

Much of the instruction is given in the gallery, and students are required to use this display in meeting the requirements of the different courses. In fact, the gallery stands in about the same relation to the work of the art department that the laboratories do to the departments of science. The historical and progressive point of view is kept before the eye by adequate labeling, dating, and period hanging or grouping.

A plan for loaning framed pictures to students was inaugurated in 1939. Gifts and purchase made possible a special collection of about one hundred pictures for this purpose. Any student may borrow one at a time of these, returnable at the pleasure of the student. Selections from these pictures are

also free to dormitories and fraternity houses for a semester period. There are no other formalities for the loan than for drawing a book from the library.

Several exhibits have been arranged for state-wide circulation among clubs, schools, and libraries.

1. Two exhibits of fifteen framed pictures, facsimiles of masterpieces of painting.
2. A collection of mounted prints in color covering the history of painting. These are sent out in groups of twelve each with descriptive reading matter.
3. A set of twenty framed photographs (21 x 27) showing notable European buildings and statuary. These are loaned in sets of two each.
4. Three folios, especially adapted for class-room use:
"Elizabethan England," the Boston Museum's publication of forty-one contemporary pictures of England's grand epoch;
"Greek Athletics of the Fifth Century"; and
"Renaissance France."

Reading matter goes with each exhibit, to afford historical and artistic data. The time limit on these loans varies from one to four weeks. Transportation in all cases is borne by the subscriber.

The gallery is open to students and public alike on week days from 9:00 to 12:00 a.m. and from 2:00 to 5:00 p.m., and on Sundays from 2:00 to 5:00 p.m.

The cabinets and cases containing the major part of the photographic collection are accessible for students and faculty in Room 36, South Stevens.

SCIENTIFIC COLLECTIONS

The biological collections are located in Coburn Hall.

ZOOLOGY.—These collections consist of a working collection of bird skins; a display collection of bird mounts; a study collection of various other groups of both vertebrates and invertebrates. These are arranged in the various rooms and laboratories where they are best available for purposes of class use.

BOTANY.—The herbarium includes several collections the most important of which is the one made by the late Rev. Joseph Blake and presented to the University by Mr. Jonathan G. Clark, of Bangor. The late Professor F. L. Harvey left to the herbarium the general collections accumulated during his connection with the University. Other important collections are Collins's Algae of the Maine Coast, Halsted's Lichens of New England, Halsted's Weeds, Ellis and Everhart's North American Fungi, Cook's Illustrative

Fungi, Underwood's Hepaticae, and Cummings and Seymour's North American Lichens.

GEOLOGY.—The geological collections of minerals, rocks, and fossils are housed on the third floor in Fernald Hall. One case, containing mineralogical specimens, is located in the Agricultural Engineering Building.

UNIVERSITY PUBLICATIONS

MAINE BULLETIN.—A publication issued monthly from August to May inclusive with two issues in the month of February and three issues in the month of March, to give information to the alumni and the general public. It includes the Biennial Report, the Summer Session Bulletin, and the Annual Catalog. .

UNIVERSITY OF MAINE STUDIES, SECOND SERIES.—A series of research studies by members of the faculty and graduate students, published under the direction of the Faculty of Graduate Study.

ANNUAL REPORT AND OTHER BULLETINS OF THE AGRICULTURAL EXPERIMENT STATION.—The annual report gives a brief summary of the progress during the year on the various research projects together with pertinent weather and financial data. Other bulletins present results of completed studies or certain phases of studies for which data have been obtained sufficient to warrant conclusions.

OFFICAL INSPECTIONS bulletins contain the results of the work of inspection of agricultural seeds, commercial feeding stuffs, commercial fertilizers, drugs, foods, fungicides and insecticides.

EXTENSION BULLETINS, NEWS, and RADIO RELEASES are issued by the Agricultural Extension Service. A list of available free publications will be mailed to any Maine resident upon request. News releases are sent to the weekly and daily newspapers in the State. Information is also disseminated through regular radio broadcasts by county extension agents in four counties.

TECHNOLOGY EXPERIMENT STATION PUBLICATIONS consist of bulletins and papers giving the results of investigations and research, and are usually sent free of charge on request.

THE MAINE ALUMNUS, published nine times during the academic year by the General Alumni Association, is sent to former students of the University who subscribe through the payment of alumni dues.

Students publications are described in the section "Student Activities."

PLACEMENT BUREAU

A University Placement Bureau was established in 1935 by the University in cooperation with the General Alumni Association to offer to graduates, students, and employers a centralized placement service. The Bureau is administered with a threefold purpose: (1) to increase opportunities for employment of students and graduates in all fields of work other than teaching; (2) to gather information about students for employers and about business concerns and trends for students and to help them make valuable contacts in their chosen fields; (3) to cooperate with the University departments in helping students to discover the kinds of employment for which their qualifications best fit them.

No charge to students, first-year graduates, or employers is made, although a nominal fee to cover clerical costs is charged older alumni placed through the assistance of the Bureau. The duties of the Bureau also include the attempt to secure part-time work during the college year and summer employment for undergraduates.

TEACHERS' REGISTRATION BUREAU

A registration bureau for teachers, located in the office of the Dean of the School of Education in Stevens Hall, undertakes to assist properly qualified graduates and former students in securing positions. All seniors who plan to teach are urged to register with the committee. Correspondence with officials who are looking for teachers is welcomed. No fee is charged for this service to students.

DORMITORY ROOMS

The rooms in Balentine Hall and Estabrooke Hall accommodating one or two students each, and those in Colvin Hall, accommodating two or four students each, are available to women students. The rooms in the Elms, the cooperative dormitory for women, accommodate two or three students each. Selection for the cooperative dormitory is based on financial need, cooperation, and satisfactory scholarship.

Oak Hall, Hannibal Hamlin Hall, and North Hall are freshman dormitories for men. Men assigned to these dormitories are required to live in these halls throughout their freshman year. The rooms in Oak Hall and the middle section of Hannibal Hamlin Hall accommodate two students each;

the north and south sections of Hannibal Hamlin Hall accommodate four students each. The rooms in North Hall accommodate one, two, or three students each.

The rooms in the dormitories are furnished with beds, mattresses, chiffoniers, desks, and chairs. Students furnish pillows, bed linen, and blankets. The beds are single cot size. Each resident in the dormitory may have bed linen and three towels laundered each week without charge.

Dormitories will be closed to students during scheduled recess periods.

Woman students not living at home are required to live in one of the women's dormitories. In exceptional cases woman students are allowed to live at some boarding house approved by the Dean of Women.

HEALTH SERVICE

The Health Department offers certain services, including medical examination, clinic, infirmaries, and isolation, to those students paying the health fee. The staff is composed of a University doctor and two nurses. Students, however, are free to consult any physician they desire but at their own expense. A clinic service, located at 20 Fernald Hall, is available daily except Sunday. There is an infirmary for men and one for women. The University Health Service cannot treat patients suffering with chronic illnesses, those requiring surgical treatment, or those in need of the services of a specialist.

USE OF LABORATORY APPARATUS

Many laboratory courses involve instruction in and the use of various types of power equipment and laboratory apparatus. The University takes every precaution to provide competent instruction and supervision of such courses. It is expected that students will cooperate by following instructions and exercising precaution. In case an accident does occur, resulting in personal injury, the University can assume no responsibility except for medical care that is provided by the Student Health Service.

REGISTRATION

Freshmen.—All members of the incoming freshman class are REQUIRED to be in residence on the campus during the period known as Freshman Week. The dates are announced in the calendar in the front of

the catalog. Following the general plan employed since its establishment, it will be devoted to tests of various sorts whereby the University authorities may obtain more accurate information concerning the type and degree of mental qualifications of the new students, and to lectures and demonstrations by which the students may be more intelligently informed of the University and its customs.

About August 12 parents of each candidate admitted will receive from the Registrar's office a letter giving detailed instruction about arrangements for Freshman Week. Parents of candidates admitted after August 12 will receive the information at the time the candidate is admitted to the University.

No excuses for non-attendance other than illness certified to by a physician in good standing will be accepted.

Upperclassmen.—In the fall semester of 1942, upperclassmen will be required to register on September 22, or to present written evidence that they have been excused from so registering by the University authorities. In other words, upperclassmen must before September 22 have communicated with the dean of their college giving him their reasons for desiring to register late, and have received from him written authorization so to do. In the event of an unusual circumstance wholly beyond the control of the student, and occurring just prior to the opening of the fall semester, the student may present his case in person to the dean upon his arrival at the University. Late registration is a handicap both to students and to University authorities, and will be rigidly discouraged whenever and wherever possible.

GRADING SYSTEM

Grades at the University are given in terms of letters. For this purpose the letters A, B, C, D, E, F, Abs., and Def. are used.

The meaning of these symbols is: A, high honors; B, honors; C, passed; D, passed unsatisfactorily; E, not passed (arrearage examination allowed in College of Agriculture); F, failed; Abs., absent from examination; Def., deficient in some specific class activity.

For purposes of comparison these letters carry the following arbitrary values: A=4, B=3, C=2, D=1, E=0, F=00. Each college and the School of Education sets its own graduation requirements in terms of grades or grade points.

DEGREES

The degree of Bachelor of Arts (B.A.) with specification of the major subject, is conferred upon all students who complete a curriculum in the College of Arts and Sciences.

The degree of Bachelor of Science (B.S.) in the curriculum pursued is conferred upon students who complete the work of four years in the Colleges of Agriculture or Technology according to the requirements prescribed by those Colleges and the University.

The degree of Bachelor of Arts in Education (B.A. in Ed.), Bachelor of Science in Education (B.S. in Ed.), Bachelor of Science in Commercial Education (B.S. in C.Ed.), Bachelor of Science in Fine Arts Education (B.S. in F.A.Ed), or Bachelor of Science in Music Education (B.S. in Mus.Ed.) is conferred upon students who complete the prescribed work in the School of Education.

A minimum residence of one year is required for the attainment of any Bachelor's degree. This regulation refers to the senior year. No student will be recommended for a degree who, having been reported to the Committee on Student's Use of English of his college, shall have failed to satisfy the requirements of the committee.

The degrees of Master of Arts (M.A.), Master of Science (M.S.), and Master of Education (M.Ed.) are granted for one year's graduate work completed with distinction.

DEGREES WITH DISTINCTION AND WITH HONORS

Degrees with distinction are conferred at Commencement for the following attainments in rank:

Seniors in the Colleges of Agriculture and Technology having an average grade of 3.50 or above are graduated with highest distinction, 3.25 to 3.49 with high distinction, and 3.00 to 3.24 with distinction.

Seniors in the College of Arts and Sciences and the School of Education having an average grade of 3.75 or above are graduated with highest distinction, 3.50 to 3.74 with high distinction, and 3.25 to 3.49 with distinction.

The average grade is based on the work of the first three and one-half years, which must include three years of resident study at the University of Maine for students in the Colleges of Agriculture, Arts and Sciences, and Technology and two years in the School of Education for students who have transferred from other institutions. Candidates in the Colleges of Agriculture, Arts and Sciences, and Technology must have completed seven-eighths

and in the School of Education three-fourths of the required hours at the end of the fall semester of the senior year. Candidates must take their senior year at the University of Maine.

Seniors in the College of Arts and Sciences who successfully complete the Honors program are graduated with Honors, with High Honors, or with Highest Honors.

NOTICES TO PARENTS

Grade reports are sent to the parents of freshmen at the middle and end of each semester and to the parents of sophomores, juniors, and seniors and graduate students at the end of each semester. Grade reports for the Summer Session are sent to the parents of all students from the University who are attending the Session.

Parents are notified whenever a student is placed or continued on probation or continued on trial or when removed from probation or trial.

STUDENT REGULATIONS

General Statement

It is assumed that all students entering the University are willing to subscribe to the following: *A student is expected to show, both within and without the University, respect for order, morality, and the rights of others, and such sense of personal honor as is demanded of good citizens.*

The quota of regular studies for each student varies from a minimum of fourteen hours to a maximum of seventeen hours in the College of Arts and Sciences, from a minimum of fourteen hours to a maximum of eighteen hours in the School of Education, and from a minimum of seventeen hours to a maximum of twenty-two hours in the College of Technology and the College of Agriculture except that in the Department of Home Economics the limits are fourteen hours and nineteen hours. In the application of this rule, two or three hours of laboratory work count as one hour.

Each student is expected to be present at every college exercise for which he is registered.

Detailed information about the regulations affecting students is contained in a pamphlet entitled "Information for the Guidance of Students" obtainable at the office of the Registrar.

Use of Automobiles by Freshmen

Freshmen are not permitted to have or operate automobiles at the University of Maine. This regulation prohibits a freshman from bringing or keeping an automobile on the campus or in Orono or vicinity. Freshmen are expected to observe the spirit as well as the letter of the regulation, and the cooperation of parents is solicited in the operation of the rule. The regulation also applies to motor cycles. Exceptions may be made by the Deans of Men and Women in the case of freshmen who commute daily from their homes.

STUDENT ACTIVITIES

Cooperative Government

STUDENT SENATE.—The Student Senate comprises representatives from the following groups: (a) the several fraternities, (b) the Women's Student Government, (c) the dormitories, (d) the off-campus men. As an assembly truly representative of the student body, it is recognized by the faculty and the administration as the official organ of the student body in all matters that call for discussion and adjustment between the student body and the administration. The Senate is empowered to investigate any question relative to the student body or any member thereof and to recommend action on the same to the administration. The Senate is empowered to summon before it any student or students for trial or testimony.

WOMEN'S STUDENT GOVERNMENT ASSOCIATION.—All women registered at the University of Maine are members of this association. The purpose of the organization is to encourage among the women of the University an active sense of responsibility for self-government. It also attempts to promote the highest standards of honor and integrity in all matters of personal conduct. The association enacts whatever laws are necessary to maintain congenial relationships on the campus. The Council, composed of representatives of the several dormitories, and of the off-campus, sorority, and non-sorority women, acts as an executive committee and carries on the business of the organization.

Religious Activities

The Maine Christian Association, serving students of all religious faiths, has as its object the promotion of Christian fellowship, knowledge, and service.

The work is done by student committees, under the guidance of a man and a woman secretary and a group of cooperating pastors. The Association conducts religious services, discussions of practical student questions and social problems, holds retreats, sends out religious deputations to churches and schools, brings comfort to the sick, and in general seeks to meet the spiritual needs of the students. The secretaries act as representatives of several co-operating denominations. The work centers in the Maine Christian Association Building, which also serves as a union building for student activities. Its rooms for reading, rest, recreation, meals, study, and worship are open all day.

Honor Societies

There are at the University a number of honor societies designed to recognize attainment and promise in its various divisions. These elect to membership at regular intervals, according to their respective standards, those students whom they desire to honor. The tabulation below shows the scope of each society, and the date at which a chapter was established at the University.

PHI KAPPA PHI (1900).—All colleges and the School of Education.

ALPHA ZETA (1906).—Agriculture.

KAPPA DELTA PI (1932).—School of Education.

OMICRON NU (1931).—Home Economics.

PHI BETA KAPPA (1923).—College of Arts and Sciences.

TAU BETA PI (1911).—Engineering.

XI SIGMA PI (1917).—Forestry.

Professional and Departmental Organizations

Many departments or divisions of the University sponsor an organization to bring together students having a common interest. Such clubs, with the subject in which each specializes, follow.

The professional societies are:

ALPHA CHI SIGMA.—Chemistry, Chemical Engineering, and Pulp and Paper Technology.

AMERICAN CHEMICAL SOCIETY.—Chemistry, Chemical Engineering, and Pulp and Paper Technology.

STUDENT BRANCH OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

BRANCH OF THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.

BRANCH OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

BRANCH OF THE AMERICAN HOME ECONOMICS ASSOCIATION.

SCABBARD AND BLADE.—Military.

The departmental clubs are :

AGRICULTURAL CLUB.

BIOLOGY CLUB.—Biology.

CERCLE FRANÇAIS.—French.

CIRCULO ESPAÑOL.—Spanish.

COLLEGE 4-H CLUB.—Boys' and Girls'

Agricultural and Home Economics
Clubs.

CONTRIBUTORS' CLUB.—Creative
writing.

DEUTSCHER VEREIN.—German.

EDUCATION CLUB.

FORESTRY CLUB.

HOME ECONOMICS CLUB.

MAINE MASQUE.—Dramatics.

SIGMA DELTA ZETA.—Mathematics.

SIGMA MU SIGMA.—Psychology.

Musical Organizations

UNIVERSITY BAND.—This organization is attached to the Military Department. Rehearsals are credited as regular class work under the Military and Music Departments. A particular aim is to develop leadership, and to this end, in coordination with the course in interpretation and conducting in the Music Department, students properly qualifying are coached to conduct the concert presentations of the band. The band plays for various university functions and games and gives concerts.

UNIVERSITY GLEE CLUBS.—Both a Men's Glee Club and a Girls' Glee Club are maintained. Participation in college assemblies, student concerts, radio broadcasts, and festival and oratorio concerts with the Bangor Symphony Orchestra are included in the program. The separate and the combined Glee Clubs annually give many concerts in Maine. The activities of these organizations are under the general supervision of the Department of Music but carry no academic credit.

UNIVERSITY ORCHESTRA.—This organization, recruited from the outstanding student talent, devotes weekly rehearsals to the study of standard and symphonic music. Its repertoire is presented in concerts on and off the campus. It accompanies the Glee Clubs and soloists in the annual Christmas Vespers and Music Night programs. Credit is granted for orchestra participation. Conditions are listed under the Department of Music (Courses 27, 28).

Social Fraternities and Sororities

The following fraternities and sororities have chapters, the figures in parentheses giving the dates chapters were established at the University.

FRATERNITIES.—National: Beta Theta Pi (1879), Kappa Sigma (1886), Alpha Tau Omega (1891), Phi Kappa Sigma (1898), Phi Gamma Delta (1899), Sigma Alpha Epsilon (1901), Sigma Chi (1902), Theta Chi (1907), Delta Tau Delta (1908), Lambda Chi Alpha (1913), Sigma Nu (1913), Phi Mu Delta (1923), Alpha Gamma Rho (1924), Tau Epsilon Phi (1929). Local: Phi Eta Kappa (1906).

SORORITIES.—National: Alpha Omicron Pi (1908), Phi Mu (1912), Delta Delta Delta (1915), Pi Beta Phi (1920), Chi Omega (1921).

Student Publications

MAINE CAMPUS.—A newspaper published weekly during the academic year by an editorial board composed of students.

PRISM.—An illustrated annual published by the junior class.

MAINE FORESTER.—A magazine published annually by the students in the Department of Forestry.

Debating Society

The Debating Society is open to all students interested in forensic work. Questions of public interest are discussed. The members make a special study of the questions used for intercollegiate debating. From this group representatives are chosen to speak before luncheon clubs, grange meetings, and community gatherings, and to participate in intercollegiate debates.

The University of New Hampshire, Bates College, Rhode Island State College, New York University, Rutgers University, the University of Vermont, Boston University, Massachusetts State College, Bowdoin College, and Colby College are among the institutions usually scheduled for these debates, which are frequently of a dual nature. Members of this society are selected to represent the University on a debating tour of eastern institutions.

The Debating Society sponsors the Women's Forum. This organization is open to all women students of the University and offers an opportunity to meet informally with members of the faculty and other guest speakers and discuss controversial subjects. The group meets informally for tea and discussion twice a month.

CHURCH SERVICES

Students receive a cordial welcome at the services of the churches of Orono—the Methodist Church, Church of Universal Fellowship (Community), and St. Mary's Roman Catholic Church. Other denominations are represented at Old Town and Bangor.

ADMISSION

ADMISSION TO THE FRESHMAN CLASS

Candidates for admission to the freshman class should *apply to the Director of Admissions* for an application card and other necessary blanks. These blanks should be returned promptly, together with the application fee of \$10 (and room deposit of \$15 if a dormitory room is desired). *It is advisable to file application as early as February first to facilitate admission and room assignment for entrance the following September.*

The University admits men and women, both residents of Maine and non-residents; it reserves the right to terminate admission whenever the capacity of the University to care properly for the students has been reached. Graduates of accredited high schools and academies may be admitted on the basis of their school records provided they have completed, with recommending grades, a course of study including all the subjects needed for admission to the curriculum that they wish to follow (see page 65) and are fully recommended by their principal. Candidates who lack recommending grades may be required to take entrance examinations specified by the Director of Admissions.

The University is interested in candidates whose character, scholastic attainments, aptitudes, interests, industry, and habits of study give definite promise of success in college work. The candidate is required to submit a carefully answered questionnaire concerning favorite studies, school activities, community interests, hobbies, choice of college course, choice of a life work, and other matters bearing upon preparation for a college course. This information is required so that the University may better guide the students in selecting courses of study best suited to their individual abilities, aptitudes, and interests. The principal, teachers, and adult acquaintances of the applicant are asked to give confidential information regarding character, personality, school and community activities, and ability to pursue successfully a college course. So far as possible, a personal interview will be arranged with each candidate.

It is requested that all entering students submit a certificate from a physician stating that they have been vaccinated for smallpox within the past seven years. If the applicant has not been vaccinated within this period, it is recommended that he or she be vaccinated *early in the summer* in order to be well over any effects of the inoculation before the opening of college.

ENTRANCE EXAMINATIONS

The spring entrance examinations are held only at the high schools and academies during the third week in May. Principals or prospective candidates should file examination requests with the Director of Admissions by the first of May. The fall entrance examinations are held only at the University of Maine on the two days immediately preceding the registration of freshmen in September. For these examinations requests must be filed before September first.

The examinations given by the College Entrance Examination Board and the Regents of the State of New York are accepted by the University of Maine.

UNIT REQUIREMENTS FOR ADMISSION

Required:

	Agriculture	Forestry	Home Economics	Arts & Sciences	Technology
English	3	3	3	3	3
Foreign Language (3 units in one or 2 units in each of two)				3 or 4	2
Algebra	*1	2	1	†1	‡2
Plane Geometry	1	1	1	1	‡1
Science— Chemistry preferred	1		1	†	
Chemistry or Physics		1			1
History	1	1	1	1	1
Electives	8	7	8	6 or 5	5
Total	15	15	15	15	15

* For admission to Agricultural Engineering, Bacteriology, Botany and Entomology 2 units of Algebra are required.

† Algebra II and Chemistry are recommended for girls entering the Five-Year Nursing curriculum.

‡ Technology candidates are urged to study mathematics during the last year in secondary school.

Electives: (*Subject to limitations)

Agriculture	Dramatics	Physiography
Algebra	Drawing	Physiology
Art	Foreign Languages	Plane Geometry
Bible	General Mathematics	Problems of Democracy
Biology	General Science	Solid Geometry
Botany	History	Speech
Chemistry	Home Economics	Trigonometry
Civics	Manual Training	Zoology
Commercial Subjects	Music	
Debating	Physics	

Laboratory and non-prepared subjects are rated at one-half credit.

* Credit in the group of subjects including Agriculture, Commercial Subjects, Drawing, Home Economics and Manual Training is limited to 2 units in the College of Arts and Sciences, 4 units in the College of Technology, and 5 units in the College of Agriculture.

ADMISSION OF SPECIAL AND SHORT COURSE STUDENTS

Special Students: In exceptional cases persons may be classified as special students. Such a student is not a candidate for a degree but will be registered by the dean or deans concerned.

Two-Year Course in Agriculture: Candidates for admission to the Two-Year Course in Agriculture must have satisfactorily completed two years of high-school work. Students who contemplate transfer to the regular four-year curriculum must satisfy entrance requirements for the College of Agriculture.

ADMISSION BY TRANSFER

A student desiring to transfer to the University of Maine from another college of recognized standing should file application with the Director of Admissions at an *early* date. This request should include a statement of the names and addresses of all high schools, preparatory schools, normal schools, junior colleges, colleges and universities attended as well as information indicating the desired curriculum.

The applicant will arrange for official transcripts and catalogs to be forwarded from all previously attended normal schools, junior colleges, colleges and universities to the Director of Admissions, University of Maine, Orono, Maine.

FINANCIAL INFORMATION

STUDENT EXPENSES

Tuition

The tuition charge is \$150 per year for residents of Maine and \$250 for non-residents. Tuition for the Two-Year Course in Agriculture is \$70 per year.

Estimate of Student Expenses

A partial list of necessary expenses is indicated below. It includes only items which are fairly uniform for all students.

Tuition (Citizens of Maine)	\$150.00*
Board and Room (University Dormitories)	323.00
Health Service Fee	6.00
Student Activities Fee	10.50
	<hr/>
	\$489.50

* For Non-Residents of Maine add \$100 per year.

Textbooks, personal laboratory equipment, etc., not furnished by the University may be estimated to cost from \$25 to \$60 per year. For technology students see a more detailed statement under College of Technology.

Payment of Bills

All University bills including those for board and room in University buildings are payable in advance upon the registration day for each semester. In exceptional circumstances, the student may make arrangements acceptable to the Treasurer for a series of payments during the semester.

The following table shows the fixed charges by semesters for freshmen.

	Fall Semester Registration Day	Spring Semester Registration Day
Tuition*	\$ 75.00	\$ 75.00
Room and Board (University Dormitories)†	161.50	161.50
Key Deposit (Men only)	5.00	—
Military Deposit (Men only)	20.00	—
Student Activities Fee	5.25	5.25
Health Service Fee	3.00	3.00
Freshman Week	8.00	—
	<hr/> \$277.75	<hr/> \$244.75

* For Non-Residents of Maine add \$50.00 for each semester.

† See statement under "Rooms and Board."

For students who do not room and board in University dormitories, these amounts are reduced by \$166.50.

For students in the Two-Year Course in Agriculture, the semester deposit required is \$35.00 for tuition, and \$3.00 for the Health Service Fee.

Fees

A Health Service Fee of \$6.00 per year is charged all students.

A Student Activities Fee of \$10.50 per year is charged all students except those in the Two-Year Course in Agriculture, and students taking less than ten credit hours.

A fee of \$2.00 is charged a student who registers after the prescribed day of registration in either semester.

A fee of \$0.75 per semester will be charged all women who use locker rooms.

A fee of \$1.00 will be charged each male student for a lock for his gymnasium locker.

The prescribed gymnasium uniform for women costs approximately \$18.00. Information regarding the uniform and where it may be purchased will be sent with admission cards.

All students receiving a degree are required to pay a graduation fee of \$5.00.

Rooms and Board

Due to the difficulty of estimating the cost of food, fuel, and services, it is impossible to guarantee the exact cost of room and board. The charge for the college year 1941-42 was \$323.00 and it is hoped that living costs in college dormitories will not exceed \$345.00 for the college year 1942-43.

In the cooperative dormitory for women, the charge for room and board is based upon student effort in management and operation, and is less than regular rates.

University cabins are available to a few men students at the rate of \$51.00 per student for the college year.

All students rooming and boarding in a University dormitory during Freshman Week will be charged \$8.00.

All University dormitories will be closed to students during scheduled recess periods.

Deposits

A deposit of \$10.00 is required at the time of application and will be applied toward payment of the first semester's tuition. This deposit is refunded if the applicant is not admitted.

A deposit of \$15.00 is required when application is made for a University dormitory room or cabin and will be applied toward the payment of dormitory charges. The deposit will be refunded if a student withdraws on or before August 1. If notice of withdrawal is given on or before September 1, \$10.00 will be refunded. The entire deposit is forfeited in case of withdrawal after September 1, but may be applied toward the payment for a room if the applicant enrolls in the University the following year.

All men taking military training are required to make a deposit of \$20.00 to cover cost of equipment. This deposit is returned at the end of the year, less charges for textbooks, shoes, and other uniform accessories, and lost or misused equipment.

All men living in University dormitories or cabins are required to make a key deposit of \$5.00. This will be returned at the end of the year, if there are no charges for misuse of furnishings or buildings.

Deposits are required of students who take chemistry and botany. The deposit for chemistry is \$3.00 and for botany \$1.50. Any part of the deposit not needed to cover cost of supplies and breakage is returned to the student at the end of the course.

Refunds

A student who leaves the University for any reason before a semester is completed will have refunded to him prepaid tuition less charges of \$6.00 per week for resident students and \$9.00 per week for others, up to and including the eighth week of each semester. No refunds on tuition will be made to students after the eighth week.

A refund of unused board charges will be made. No refund of prepaid room rent will be made.

No special fees will be refunded after the first week.

Student Employment

The University recommends that student employment and self-help, if necessary, be planned giving consideration to such important factors as health and scholastic aptitude. The Placement Director renders every possible assistance to needy students in search of employment. Entering freshmen desiring employment should write to the Director of Admissions for an application blank. Men residing in cabins, by performing their own household tasks, materially reduce their living expenses. A cooperative dormitory is available for women.

Communications

Communications with reference to financial affairs of students should be addressed to the Treasurer of the University of Maine.

LOAN FUNDS

Application for loans should first be made to the Dean of Women by women students and to the Dean of Men by men students. Where requirements make necessary a different handling of loans, either of these officials will refer the request to the proper person.

American Agriculturist Foundation Loan Fund.—This fund, now amounting to over \$400, was established by the American Agriculturist Foundation, Inc., to enable deserving junior and senior students in Agriculture and Home Economics to complete their education. The fund is administered by a loan committee, of which the Dean of the College of Agriculture is chairman.

American Institute of Electrical Engineers Loan Fund.—This fund, now amounting to over \$210, was established by the University of Maine

Branch in 1918 for the purpose of assisting needy students majoring in electrical engineering.

Appreciation Loan Fund.—This fund, now amounting to \$75, was established by Randolph H. West, of the Class of 1938. All loans will be made through the office of the Dean of the College of Agriculture.

The Bangor Business and Professional Women's Loan Fund.—This fund, now amounting to \$1275, was established by the Business and Professional Women's Club of Bangor, Maine, for needy and deserving women students, preferably from Bangor and vicinity, who have been in attendance at least two years and who have maintained an average grade of "C" or better. Loans shall not exceed \$250 per student.

Boston Alumnae Fund.—This is a fund now amounting to over \$630, available for women of high scholastic standing who have completed at least two years of college work. Loans shall in no case exceed \$200.

Carleton Orchard Fund.—This fund originated in the gift to the State of Maine by James A. Gregory of one interest-bearing first mortgage bond for \$1000, the interest on which was to be used for the promotion of scientific orcharding in Maine. At first administered by the Maine Department of Agriculture, the income from this bond was transferred in 1925 to the College of Agriculture of the University "for the assistance of needy students who shall be residents of the State of Maine, majoring in horticulture at the said college of agriculture."

Class of 1914 Loan Fund.—This fund, the gift of the Class of 1914 amounting to over \$1014, is available for loans to needy upperclass students.

Class of 1926 Loan Fund for Seniors.—This fund, the gift of the Class of 1926, amounting to over \$1410, is loaned to seniors of good scholastic standing during the last semester of their senior year. Amount loaned is \$50 per person, exceptional cases to be allowed \$100.

Delta Chi Alpha Loan Fund.—This fund, the gift of Delta Chi Alpha Fraternity, amounting to over \$730, is available for loan to a male member of the senior class whose average college grade has been equivalent to "C" or better. The amount loaned each year is limited to \$50.

Drummond Fund.—This fund of \$1000 was established in memory of Frank Hayden Drummond, of Bangor, by his widow and children. It is loaned to needy students of good character who have attained an average of "C" or its equivalent.

Esther Eayres Chapter, Daughters of American Revolution Loan Fund.—This fund, amounting to over \$230, is a gift of the Orono Chapter of the D.A.R. and is to be loaned to women students who are juniors or seniors.

General Loan Fund.—This fund, now amounting to over \$3320, was donated by unknown friends, students, and faculty of the University. The

first donation was made in May, 1930, and has been increased at various periods since that time.

Kappa Psi Loan Fund.—This fund, amounting to over \$245, was donated by the Kappa Psi Sorority during the spring of 1933, to be used for the benefit of women students.

Kittredge Fund.—This fund, amounting to over \$2665, was established by Nehemiah Kittredge, of Bangor. It is in the control of the President and the Treasurer of the University, by whom it is loaned to needy students in the three upper classes. Individual loans are limited to \$50.

The Maine Alumni Association of Boston Loan Fund, amounting to \$400, established in 1940, aims to be helpful particularly to male students whose homes are in Massachusetts, though any male student at the University is eligible for a loan from this fund. Loans are made on the basis of need, character, scholastic standing, personality, and leadership in extra-curricular activities.

Maine Campus Fund.—This fund, the gift of the *Maine Campus*, amounting to over \$480, is loaned to juniors and seniors whose conduct and scholarship are satisfactory, preference being given to those interested in the literary activities of the University. Amount loaned is limited to \$50 per person. Loans must have the endorsement of a satisfactory second party.

Charles H. Payson Loan Fund.—This fund, amounting to over \$6105, was given by Mrs. Charles H. Payson, of Portland, Maine, in memory of her late husband. It is to be loaned to needy students under such conditions as may be established by the University administration.

Mary S. Snow Memorial Fund.—Students and friends of Mary S. Snow, one-time superintendent of schools in Bangor, and later a leader in home economics education, have established as a tribute to her memory a loan fund to be used in helping earnest and deserving young women secure a home economics education at the University of Maine. The fund at present amounts to over \$4745. Loans may be granted to young women of such character and scholarship as give promise that the education thus made possible will be of genuine value to the students and to society.

The Bertha Joy Thompson Loan Fund, amounting to \$10,000, was bequeathed, in trust, to the University of Maine by the late Mrs. Bertha Joy Thompson, of Ellsworth, Maine. The net income from the fund is to be used as a "Loan Fund" to be loaned to worthy, deserving, and needy students of the University of Maine under such terms and conditions as the Board of Trustees may determine.

Women's Loan Fund.—This fund was inaugurated by the American Association of University Women, University of Maine Branch, in 1925. It

provides for loans to undergraduate women of the University who have successfully completed one or more years of university work, and have been found by the University to be thoroughly satisfactory in regard to character, scholarship, and general ability, and to be in genuine need. The fund amounts at present to \$2795; and loans to one student shall not exceed \$200 a year.

SCHOLARSHIPS

Forms for making application for scholarships may be obtained from the chairman of the Faculty Committee on Scholarships, or from the Registrar's Office, and should be returned to the Chairman before February 1. Candidates may, if they wish, apply for particular scholarships. No student whose record is unsatisfactory will be considered eligible for any scholarship award. Unless otherwise indicated, all awards are made by the Committee on Scholarships, subject to the approval of the President. If a student to whom a scholarship has been awarded subsequently receives another award of equal or greater value, the first scholarship may be withdrawn.

Scholarships available for graduate students are described in the section of the Catalog dealing with graduate study.

Trustee Scholarships

The Merritt Caldwell Fernald Scholarship, \$150, established by the Trustees in 1923 and named in honor of the first acting president of the University, is awarded to the junior student having the highest scholarship rank in the University.

The James Stacy Stevens Scholarship, \$150, established by the Trustees and named in honor of the first Dean of the College of Arts and Sciences, is awarded to the highest ranking student, resident of Maine, in the junior class in that college, the winner of the Fernald Scholarship being excepted.

The Harold Sherburne Boardman Scholarship, \$150, in Technology, in honor of the first Dean of the College of Technology and the President of the University from 1926 to 1934, is awarded on the same terms as the foregoing.

The Leon Stephen Merrill Scholarship, \$150, in Agriculture, in honor of the Dean of the College of Agriculture from 1911 to 1933, is awarded as are the foregoing.

The Charles Davidson Scholarship, \$150, in the School of Education, in honor of the first professor of education in the University is awarded as are the foregoing.

The Maine Normal School Scholarships, three, of \$150 each, are awarded on a competitive basis to Maine normal-school students who, after two years of training for elementary teaching, desire to transfer to preparation at the University for secondary-school teaching. Only those are eligible whose normal-school record places them in the highest decile of their class, whose principal recommends them as having personal qualities which indicate probable success in high-school teaching, and who enter the School of Education as juniors, *for two years* of preparation for that field.

The Secondary School Contest Scholarships, eight, of \$150 each, established by the Trustees in 1931, are awarded annually to the eight entering freshmen who as secondary-school seniors have made the highest average rank in the State Senior Scholarship Contest sponsored by the School of Education, except that only one award may be given to any school. The highest ranking student of the eight selected is awarded a tuition scholarship for four years, the second highest for three years, the third for two years, and the five next in order for one year each. Each scholarship is awarded for one semester and will be continued in the second semester upon evidence of satisfactory work in the University. Only students whose schools enter the Contest and compete according to the rules furnished every year by the University may take the tests.

The University Scholarships, fifteen, of \$150 each, established by the Trustees in 1935, are awarded annually to students of high scholastic standing and intellectual promise whose general record is also satisfactory and who are in need of financial assistance. Preference is given to students residing in the State of Maine.

Endowed Scholarships

The Maria S. Appleton Fund was established in 1939 through a bequest of \$5,000 by the late Maria S. Appleton, of Bangor, to the University of Maine Foundation. The income of this fund is to be used for scholarships to be awarded annually to deserving and needy students at the University.

The Hosea B. Buck Memorial Scholarships, the income from a fund of over \$3000 raised through the University of Maine Foundation, of which Mr. Buck was a charter member, were established in 1938 by friends and alumni of the University, in memory of Hosea B. Buck, of the Class of 1893. One or more scholarships are awarded annually to students whose high character, qualities of leadership, creditable academic record, and financial need make them worthy of scholarship aid.

The Joseph Rider Farrington Scholarship, the income from a one-

thousand dollar bond, a gift of Arthur M., Edward H., Oliver C., Horace P., and Wallace R. Farrington, all graduates of the University of Maine and sons of Mr. and Mrs. Joseph Rider Farrington, is offered annually in honor of their parents, in the following order of preference: (a) Any direct descendant of Joseph Rider and Ellen Holyoke Farrington, or anyone whom three of such descendants may select; (b) Any student bearing the surname of Farrington or Holyoke; (c) A high-ranking student in the College of Agriculture of good character and personality who, in the judgment of the Faculty Committee on Scholarships, is most deserving of the award.

The Eugene Hale Scholarship. This fund of \$1200 was established by Mrs. Eugene Hale and her two sons, Frederick Hale and Chandler Hale, in honor of the late United States Senator Eugene Hale. The income from this fund shall be utilized in awarding one scholarship yearly to a boy or girl entering the College of Agriculture who is or has been a 4-H club member. The award is to be based on his or her record as a 4-H club member, on scholarship, character, and qualities of leadership. The award will be made by a committee appointed by the Dean of the College of Agriculture.

The James Norris Hart Scholarships, the income of a fund established in 1937 by alumni, faculty, and friends, in honor of Dean Emeritus James Norris Hart, are awarded annually to entering students or upperclassmen who have made satisfactory scholastic records, who have been leaders in extracurricular activities, and who merit and need financial aid.

The Philip R. Hathorne Scholarship was established in 1936 through a bequest of \$5000 by the late David Ernest Hathorne, of Woolwich, Maine, and an additional gift of \$2000 by Mrs. Carrie E. Hathorne, as a memorial to their son, Philip R. Hathorne, of the Class of 1923. The income is to be used to help needy students in the Civil Engineering curriculum, preference to be given to natives of Maine.

The Hovey Memorial Scholarships, made available by a fund of \$5900, established in 1932 by the Stone and Webster Corporation and its employees in honor of the late Francis J. Hovey, are awarded to students in the College of Technology, on the basis of scholastic attainment, character, and general promise. A scholastic standing of at least 3.00 must be attained to be eligible, and must be maintained during tenure. Award is made by the Dean and the heads of the departments in the College, subject to the approval of the President, with preference given to students residing in the State of Maine.

The Carrol C. Jones Scholarship, the net income from a fund of \$1000 bequeathed by Minnie E. Jones, of Solon, in memory of her son, Carrol C. Jones, of the Class of 1914, is awarded annually to the student who makes the greatest improvement in his or her college work during the freshman year.

The Kidder Scholarship, \$30, endowed in 1890 by Dr. Frank E. Kidder, of Denver, Colorado, a graduate of the University in the Class of 1879, is awarded by the Committee on Scholarships, with the approval of the President, to a student whose rank excels in his junior year.

The Maine Farm Bureau Fund Scholarship, \$75, is awarded annually to a junior or senior student, resident of Maine, in the College of Agriculture, on a basis of character, scholarship, financial need, and qualities of leadership. The Dean of the College of Agriculture, the Secretary of the Farm Bureau Federation, and the Accountant of the University constitute the committee on award.

The William Emery Parker Scholarship, the income from a one-thousand dollar bond donated by the late Hosea B. Buck, of the Class of 1893, in memory of William Emery Parker, of the Class of 1912, is awarded annually to that male student of the sophomore or junior class who, in addition to being above the average rank scholastically, shows most clearly those qualities of manliness, honesty, and constructive effort which characterized the college career of the alumnus in whose memory the scholarship is given.

The Charles H. Payson Scholarships, \$100 each, were established in 1935 through a gift of \$20,000 made by Mrs. Charles H. Payson, of Portland, in memory of her late husband. These are awarded to students in the University whose homes are in Maine and whose high character, qualities of leadership, creditable academic record, and financial need make them worthy of scholarship aid, or to entering students of outstanding merit who without financial assistance could not attend the University.

The Stanley Plummer Scholarship, the income from one thousand dollars, the bequest of Colonel Stanley Plummer, of Dexter, Maine, is awarded annually to a needy and deserving student selected by the Committee on Scholarships. Students born in Dexter, Maine, shall have preference.

The Bertha Joy Thompson Scholarships, \$100 each, established in 1935 through a bequest of \$15,000 by the late Mrs. Bertha Joy Thompson, of Ellsworth, are awarded to students whose qualities of character, scholarship, initiative, and need make them worthy of financial assistance.

The Charles F. Woodman Fund, amounting to over \$15,000, was established in 1939 through a bequest by the late Charles F. Woodman, of Auburn, Maine. The net income is to be used annually under the direction of the President and Trustees of the University for the assistance of deserving and needy students, "especially poor boys who are desirous and willing to work and earn an education."

Annual Scholarships

The Agricultural Club Scholarship, \$50, is awarded annually to that male member of the junior class who, in addition to having been active in the Agricultural Club, has maintained a creditable academic record and needs and merits financial aid. Award is made by a committee comprising the Dean of the College of Agriculture as chairman, the Director of Short Courses in the College of Agriculture, and the Accountant of the University.

The Elizabeth Abbott Balentine Scholarship, \$75, the gift of the Gamma Chapter of Alpha Omicron Pi, is awarded annually by the Committee on Scholarships to a woman member of the sophomore class, on recommendation of the Chapter with the approval of the President, on a basis of scholarship and individual need.

The W. H. Bowker Scholarships.—The American Agricultural Chemical Company has established two scholarships in honor of W. H. Bowker, one of the first technically trained agricultural college graduates to utilize agricultural research in the manufacture of commercial fertilizers. These scholarships provide \$300 each to pay two years' tuition in the College of Agriculture. One scholarship is to be awarded to some boy now studying vocational agriculture in any high school or academy in Aroostook County, or in Patten Academy, Penobscot County. The second scholarship is to be awarded to some boy now studying vocational agriculture in any high school or academy in the State. Each scholarship is to be awarded by a committee comprising the Dean of the College of Agriculture, the Professor of Agricultural Education, and the teachers of vocational agriculture in the section involved.

The Charles H. Hood Educational Trust Scholarships, seven, of \$200 each, are available annually to men and women students of the College of Agriculture whose intention is to promote farming as a life opportunity. They are awarded by a committee comprising the Dean of the College of Agriculture as chairman, the head of the Department of Animal Industry, and the Treasurer of the University, and are distributed as follows: Two sophomore and two junior scholarships are granted to students whose scholastic standing for the previous year places them in the upper half of their class; and three senior scholarships are granted to students whose scholastic standing for the previous year places them in the upper third of the class. The junior and senior scholarships are further restricted to students specializing in some phase of dairy industry promotion.

The Scabbard and Blade Scholarships, established by the Scabbard and Blade Society in 1941, are awarded to students in the second year of the basic military course. Candidates for the awards are judged on the basis of charac-

ter, scholarship, and qualities of leadership by a committee including the Professor of Military Science and Tactics, the Dean of Men, and the President of the University.

The Sears-Roebuck Agricultural Foundation Scholarships, fourteen, of \$100 each, established in 1940, are available to Maine farm boys entering as Freshmen in the four-year course in agriculture. The award is made by a committee comprising the Dean of the College of Agriculture and such others as he may designate. The awards are to be based on character, scholarship, qualities of leadership, and financial need. An additional scholarship of \$200 is to be awarded to that Sophomore who as one of the winners of the Freshman Scholarships achieves the most satisfactory record and is considered to be the most deserving from the standpoint of financial need and otherwise by the committee on awards.

The State of Maine Pi Beta Phi Alumnae Club Scholarship, \$30, established in 1940 by the State of Maine Pi Beta Phi Alumnae Club, is awarded annually to a woman student on the basis of financial need, satisfactory scholarship, conduct, and the evidence of qualities of leadership.

The Women's Student Government Association Scholarship, \$50, is awarded annually by the Women's Student Government Association to a deserving woman student who is in need of financial assistance and whose conduct and scholarship record are satisfactory. Applications must be submitted to the president of the Student Council by March 1. Award is made by the Committee on Scholarships on recommendation of the Dean of Women and the Student Council.

Alumni Scholarships

The Chicago Alumni Association Scholarship, \$50, established in 1903, is awarded annually to a sophomore pursuing a regular curriculum whose deportment is satisfactory and who has attained the highest rank in his class during the freshman year.

The Class of 1905 Scholarship, the income from a one-thousand dollar bond, donated by members of the Class of 1905, is awarded to a man of the freshman class pursuing a regular curriculum, whose deportment is satisfactory, and who attains the highest rank in the mid-year examinations.

The Class of 1909 Fund Scholarship, the income from a fund of \$1000 presented to the University of Maine Foundation by the members of the Class of 1909 at their twenty-fifth reunion, is used for scholarship awards to worthy students in need of financial aid.

The Class of 1911 Scholarship, the income from a fund of \$1000 donated to the University of Maine Foundation in 1936, is awarded annually

to an upperclass student of good character and satisfactory conduct and rank, who possesses qualities of leadership and who needs and merits financial aid. Special consideration is given in the award to sons and daughters of members of the Class of 1911.

The Connecticut Alumni Association Scholarship, \$50, established in 1935, is awarded annually to a needy and deserving student, with preference given to students from Connecticut.

The General Alumni Association Scholarship, established by the Association in 1935, is awarded to a senior student who is a son or daughter of a graduate or former student of the University, whose conduct and scholastic record are satisfactory, who has been prominent in extracurricular activities, and who needs and merits financial aid. The award is made at the close of the junior year by a committee comprising the Chairman of the Committee on Scholarships and two alumni selected by the President of the General Alumni Association.

The Hancock County Alumni Association Scholarship, \$50, established in 1939, is awarded annually to an upperclass student from Hancock County whose scholastic record and conduct are satisfactory, who possesses qualities of leadership, and who merits and needs financial aid.

The Lincoln County Alumni Association Scholarship, \$50, established in 1935, is awarded annually to an upperclassman whose home is in Lincoln County, on a basis of satisfactory academic record and conduct, qualities of leadership, and financial need.

The New York Alumni Association Scholarship, two, of \$50 each, are annually offered by the New York Alumni Association for the encouragement of proficiency in written and oral expression.

Scholarship No. 1, established in 1905, is offered for excellence in debating by the faculty Committee on Scholarships, on recommendation of the Department of Speech. In case the effort in debating does not justify the award in any year or years, the amount shall be accumulative.

Scholarship No. 2 is offered annually to an upperclassman in the College of Technology to encourage advancement and proficiency in English as equipment for later professional and civil life. The award, made by a committee of judges selected by the College of Technology and the Department of English, is based chiefly upon a competition in writing held in April, open to juniors and seniors who have satisfactorily completed Freshman English and a further elective course in English Literature, and have taken or are taking English 5 (6). Consideration is also given to the showing and advancement indicated by the student's grades in his courses in English.

The Northern Aroostook Alumni Association Scholarship, \$50, established in 1935, is awarded annually to an upperclass student on a basis of satisfactory scholastic record and conduct, financial need, and qualities of leadership.

The Ohio Alumni Association Scholarship, \$50, established in 1934 by the Ohio Alumni Association, is awarded annually to a student whose character, scholarship, and need justify the award.

The Penobscot County Alumni Association Scholarship, \$50, established in 1920, is awarded by the President, the executive secretary of the General Alumni Association, and the Committee on Scholarships to a male student whose home is in Penobscot County, who is found to be needy and deserving, and whose scholarship and conduct are satisfactory.

The Philadelphia Alumni Association Scholarship, \$50, established in 1935, is awarded annually to some needy and deserving student, with preference given to the vicinity of Philadelphia.

The Piscataquis County Alumni Association Scholarship, \$50, established in 1937, is awarded annually to an upperclass student whose home is in Piscataquis County, who has made a satisfactory record and who needs and merits financial assistance.

The Portland Alumnae Association Scholarship, \$50, established in 1938 by the Portland Club of University of Maine Women, is awarded annually to a deserving upperclass woman whose home is in Cumberland County. The award is made upon the basis of need of financial assistance, satisfactory record and conduct, and evidence of qualities of leadership and of scholastic attainment.

The Rhode Island Alumni Association Scholarship, \$50, established in 1935, is awarded to a male student from Rhode Island or that portion of Massachusetts represented by the Association, whose personal and scholastic record is satisfactory and who has been prominent in extracurricular activities.

The Somerset County Alumni Association Scholarship, \$50, established in 1936, is awarded annually to a needy and deserving senior or junior student from Somerset County.

The Southern Kennebec Alumni Association Scholarship, \$50, established in 1937, is awarded annually to a needy and deserving student whose home is within the area of the Association. Preference is to be given to juniors and seniors.

The Western Pennsylvania Alumni Association Scholarship, \$30, established in 1905, is awarded annually to a member of the junior class in the College of Technology whose ability and needs justify the award. The

selection is made by the President and the Dean and professors of the College of Technology.

The Worcester County, Massachusetts, Alumni Association Scholarship, \$50, established in 1935, is awarded annually to a worthy student from Worcester County, preferably an entering freshman.

The York County Alumni Association Scholarship, \$50, established in 1935, is awarded to an upperclassman from York County whose scholastic record and conduct are satisfactory, who possesses qualities of leadership, and who needs and merits financial aid.

Class of 1915 Student Aid Fund, the income from this fund of \$2,500 given in trust to the University of Maine Foundation is to be used by the President of the University at his discretion for assisting needy students in such manner and amounts as he deems expedient.

PRIZES

Endowed Prizes

The Prize of the Class of 1873, the income from \$1000, the gift of Russell W. Eaton, of Brunswick, a member of the Class of 1873, is awarded annually to that member of the sophomore class who is able to show the greatest improvement in mechanical drawing during the first two years of his college course. It is expected that candidates for this prize shall have had no training in mechanical drawing previous to entering the University.

The Claude Dewing Graton Prize, the income from four shares of stock donated by Mr. Graton, of the Class of 1900, is awarded annually to a regularly enrolled undergraduate student under twenty-five years of age who shall have written the best essay on some current constitutional question. Entry for competition should be made with the Professor of Government before January 1.

The Robert C. Hamlet Prize, \$25, established in 1935, in accordance with the will of Mr. Hamlet, a graduate of the University in the Class of 1925, is awarded annually to that student in the University who shall have written the best original one-act play during the year of award. The judges are the Dean of the College of Arts and Sciences, the head of the Department of English, and the president of the Maine Masque.

The Maine Hardwood Association Fund.—The income from a fund of \$870, established in 1939, is awarded as prizes to students in the Forestry curriculum who present the best contributions in the form of essays on the

subject of the marketing and utilization of Maine hardwoods. The rules of competition and the awarding of such prizes are to be determined by a committee consisting of the head of the Forestry Department and one or more other members of the faculty, appointed by the President of the University.

The John M. Oak Scholarship, the income from a fund of \$1500, established in 1935 by the estate of Mr. Oak, a graduate of the Class of 1873 and a Trustee of the University from 1908 to 1915, for the advancement of the art of public speaking in the University, is awarded annually to those upper-class students who deliver the best speeches of the persuasive type in a contest held for that purpose.

Annual Prizes

The Alpha Omicron Pi Alumnae Prize, \$10, given by the Bangor Alumnae Chapter of Alpha Omicron Pi, is awarded annually to the woman student showing the greatest improvement in her work during her freshman year. The record at the Registrar's office, showing the comparison of grades of the fall semester with those of the spring semester, shall furnish the basis of award.

The Alpha Zeta Senior Award, \$15, is given annually by the honorary fraternity Alpha Zeta to a high-ranking senior member whose college career has been marked by useful service in campus activities.

The Chi Omega Sociology Prize, \$25, is offered annually by the Chi Omega Sorority, in accordance with its national policy, to the woman student in the sophomore or junior class who secures the highest grade in the beginner's course in sociology. Her general deportment and interest in the study of sociology may also be considered in determining the award.

The Henry L. Griffin Prize in English Composition, \$10, in honor of the late Rev. Henry L. Griffin, of Bangor, is awarded by the Department of English for excellence in the freshman course in composition. The chief basis of the award is a competition in writing held during the month of April.

The Carl Whitcomb Meinecke Award, the gift of Mrs. Carl W. Meinecke in memory of her late husband, is presented to a junior or senior majoring in the Department of Civil Engineering. The award is made on the basis of character, scholarship, and promise by the Dean of the College of Technology and the head of the Department of Civil Engineering.

The Pale Blue Key Award, \$50, is given each year by the Pale Blue Key to some member of the freshman class who needs help, has shown promise in track athletics in his freshman year, and has maintained a satisfactory scholarship standing. The award is made by a committee comprising the president of the Pale Blue Key, the coach of track athletics, and a member

of the faculty to be chosen by the club, subject to the approval of the President. The winner will be given the award upon his return to the University in his sophomore year. Applications must be made in writing and sent to either the coach of track athletics or the president of the Pale Blue Key before May 1.

The Senior English Essay Prize, \$10, is given by the Department of English to the senior major student submitting the best critical essay as a part of the comprehensive major examinations in English.

The Sigma Mu Sigma Award, \$25, is given annually by the honorary society Sigma Mu Sigma to a member of the current sophomore or junior class who shall have completed at least a semester and a half of the introductory course in General Psychology, on a basis of proficiency, interest, and general promise in the subject. Nominations for the award are made to the president of the society by the instructors in the course about the middle of the spring semester, and it becomes available upon the student's return to the University in the following semester.

The Spanish Club Prize, \$10, is awarded annually by the Circulo Español for excellence in Elementary Spanish to a freshman student, on the basis of a competitive examination.

The Class of 1908 Commencement Cup, donated by the Class of 1908, is awarded at Commencement to that graduate class the largest percentage of whose living members register before six o'clock on Alumni Day.

The President's Cup, named in honor of the presiding officer of the General Alumni Association, is awarded at Commencement to that graduate class having the largest total number of members registered before six o'clock on Alumni Day.

The Twentieth Century Cup, given by the New York Alumni Association, is awarded annually at Commencement to that graduate class in the Twentieth Century group, the largest percentage of whose members register before six o'clock on Alumni Day.

The Fraternity Scholarship Cup is awarded to the fraternity having the highest standing in scholarship for the preceding calendar year. The cup becomes the permanent property of the fraternity to which it is awarded the greatest number of times during an eleven-year period. The original cup was presented by the 1910 Skulls and was renewed in 1921 for an eleven-year period by the 1921 Skulls, and in 1932 by the 1932 Skulls. The first cup was awarded permanently in 1921 to Phi Eta Kappa and the second in 1932 to Lambda Chi Alpha.

The Charles Rice Cup, presented in 1921 by the Kappa Sigma Fraternity in honor of Charles Anthony Rice, of the Class of 1917, who was

killed in service, is held for one year by the team winning the Intramural Track Championship.

The Intramural Plaques are presented each year by the Intramural Athletic Association to the fraternity making the best showing in each major intramural sport, and an all-point plaque is given to that fraternity which makes the best performance in all the sports.

The Washington Alumni Association Watch is presented annually by the Alumni Association of Washington, D. C., to the male member of the graduating class who, in the opinion of the students and the University administration, has done the most for the University during his course. This award is made as the result of a secret ballot by the students, passed upon by the President and the Administrative Committee.

The Portland Alumnae Memorial Watch is presented annually by the Portland Club of University of Maine Women to the woman member of the graduating class who, in the opinion of the students and the University administration, has done the most for the University during her course. This award is made as the result of a secret ballot by the students, passed upon by the President and the Administrative Committee.

COLLEGE OF AGRICULTURE

GENERAL INFORMATION

The College of Agriculture comprises the Departments of Agricultural Economics and Farm Management, Agricultural Education, Agronomy and Agricultural Engineering, Animal Industry, Bacteriology and Biochemistry, Botany and Entomology, Forestry, Home Economics, Horticulture, Poultry, Short Courses, and Extension Service. This college offers to young men and women an opportunity to secure a broad education and thorough training in the sciences and technics relating to the major course of study they may elect to pursue. It aims to prepare them for lives of usefulness as citizens of the State and for effective service in their chosen vocations or professions.

More specific and detailed information concerning the purposes of each major course of study offered by the College will be found in the description of the various curricula.

The four-year curricula in the College of Agriculture require the completion of 147 credit hours, with the exception of those of Forestry and Home Economics, which comprise 153 and 128 hours respectively. In addition each student must accumulate a total of grade points equal to the number of hours required for graduation in the curriculum chosen. These grade points are computed by multiplying each hour of the letter grade by a factor as follows: A by 3, B by 2, C by 1, and D by 0. Upon the completion of the required curriculum, with the necessary number of grade points, the student will be recommended for the degree of Bachelor of Science (B.S.).

All students registered in the College of Agriculture should obtain summer work in their respective major fields in order better to prepare themselves for future entrance into those fields.

Students who contemplate entering chemical work related to agriculture should elect the courses offered in Biochemistry covering the qualitative and quantitative chemical analysis of feeds, fertilizers, and dairy products.

Students desiring to specialize in the botanical or entomological aspects of Forestry may offer freshman and sophomore years in Forestry as equivalent to the first two years' work in Agriculture and register in the curriculum in Botany and Entomology during the junior and senior years.

REGULAR CURRICULA AND COURSES OF INSTRUCTION

The courses of instruction are organized as follows:

1. Four-Year Major Agricultural Curricula:
Agricultural Economics and Farm Management, Agricultural Education, Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, Biochemistry, Botany and Entomology, Dairy Husbandry, Dairy Technology, Horticulture, and Poultry Husbandry
2. Four-Year Forestry Curricula:
Forestry, Wildlife Conservation
3. Four-Year Home Economics Curricula:
Vocational Sequences
 1. Home Economics Education
 2. Extension-Home Demonstration or 4-H Club Work
 3. Foods and Nutrition
 4. Textiles and Clothing
 5. Development and Training
 6. Special Sequences: Home Economics Journalism, Household Equipment, Social Service, and others formulated to fit individual cases
4. The Two-Year Course in Agriculture
5. Short Courses in Agriculture
6. Farm and Home Week

THE FOUR-YEAR AGRICULTURAL CURRICULA

Certain studies are fundamental to all work in the agricultural field and for this reason as many of such subjects as possible are offered in the first year, during which the student has no choice in their selection. Beginning with the sophomore year, each student should start specialization in one of the following major curricula: Agricultural Economics and Farm Management, Agricultural Education, Agronomy, Animal Husbandry, Biochemistry, Dairy Husbandry, Dairy Technology, Horticulture, or Poultry Husbandry. In Agricultural Engineering, Bacteriology, and Botany and Entomology, specialization begins with the freshman year.

These curricula are designed for those who wish to engage in the business of farming; for those contemplating the special fields open in each of the major lines of study; and for those desiring to enter a field of public service for which training in agriculture is requisite. In addition to those mentioned above there are many other opportunities open to the college trained man in the agricultural and associated industries. In all cases the student has the

privilege of seeking guidance and advice from the administration executives of the College of Agriculture, from the heads of departments, and from any member of the teaching force.

Training for the Business of Farming

The student contemplating the operation of a farm after graduation may be interested in obtaining specialized training in one particular phase of agricultural production or he may wish for a generalized type of training. To meet his specific needs he has the choice of several major fields of study and by the proper selection of elective subjects he may broaden his agricultural training as much as he desires.

Special Vocations

The curricula of the agricultural division of the College of Agriculture offer courses of study to those individuals desiring to equip themselves for some particularly specialized agricultural or scientific vocation. Here a common freshman-year course of study (except for those interested in Bacteriology, or Botany and Entomology) is found wherein basic sciences are required along with fundamental agricultural subjects in order that a proper foundation may be laid upon which specialized plans of study can be developed to suit individual needs.

Preparation for Public Service

Federal, state, and local public service agencies offer numerous opportunities for employment for men trained in agriculture. Numbered among these agencies are Federal and state experiment stations, state colleges of agriculture, secondary schools, agricultural extension services, and Federal and state administrative bureaus in the fields of regulation, agricultural credit, agricultural adjustment, farm security, and soil conservation.

Specialized training for these fields of public service may be secured by the proper selection of a major agricultural curriculum and the use of electives in supplementing technical training in agriculture with courses in public speaking, economics, sociology, finance, business law, and history and government.

Agricultural and Associated Industries

Within the industry of agriculture are found many special industries devoted to the processing and marketing of agricultural products in addition to the several branches of raw material production. In turn these industries are constantly calling upon associated industries for equipment, supplies, and services. Thus the student especially inclined toward some one of the many fields of technical endeavor to be found in these industrial branches may equip himself for it by a proper selection of curriculum.

Curriculum for the Freshman Year for All Students Taking Four-Year Curricula in Agriculture

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ag	11	Field Crops	2	2	3	An	2	Gen. Animal Husb.	2	2	3
Ch	3	Gen. Chemistry	2	4	4	Bt	2	Gen. Botany	2	4	4
Eh	1	Freshman Comp.	3	0	3	Ch	4	Gen. Chemistry	2	4	4
Mt	1	Military	2	1	1½	Eh	2	Freshman Comp.	3	0	3
Ph	1	Gen. Poultry Husb.	2	2	3	Ht	2	Gen. Hort.	2	2	3
Zo	1	Gen. Zoology	2	4	4	Mt	2	Military	2	1	1½
Pt	1	Phy. Education	0	2	0	Pt	2	Phy. Education	0	2	0
					18½						18½

Curriculum for Students Specializing in Agricultural Economics and Farm Management

Sophomore Year

Rec. Lab. Cr.					Rec. Lab. Cr.						
Ag	1	Soils	2	2	3	*Ag	14	Sweet Corn, Beans, and Peas, or, . . .	1	2	2
An	21	Livestock Feeding	3	2	4	*Ag	16	Forage and Pasture Crops	1	2	
Bt	45	Gen. Genetics	3	0	3	Bc	8	Agr. Chemistry	2	0	2
Dh	1	Gen. Dairying	2	2	3	Fm	48	Agri. Economics	3	0	3
Es	1a	Prin. of Economics	3	0	3	Mt	4	Military	2	1	2
Mt	3	Military	2	1	2	Pt	4	Phy. Education	0	2	0
Pt	3	Phy. Education	0	2	0			Elective			10
					18						19

Junior Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
*Ag	15	Potato Prod.....	2	2	3	†Fm	52	Farm Accounting	1	6	3
By	3	Bacteriology	2	0	2	Fm	76	Agri. Marketing	3	0	3
Eh	5	Tech. Composition	2	0	2			Elective			12
†Fm	61	Agri. Bus. Acct'g	2	3	3						
Fm	73	Adv. Agri. Econ.	3	0	3						
Fm	75	Agri. Statistics	1	6	3						
		Elective			3						
					19						18

* Only one course required (Ag 14, 15, or 16).

† Only one course required (Fm 52 or Fm 61).

Senior Year

			Rec. Lab. Cr.						Rec. Lab. Cr.		
Fm 77	Agr. Finance	3	0	3	Fm 74	Farm Management	3	3	4		
Fm 79	Coop. in Agr.	3	0	3		*Marketing Elective			2		
Fm 87	Agr. Prices	3	0	3		Other Elective			12		
	Marketing Elective			2							
	Other Elective			7							

* Not required if taken in fall.

Curriculum for Students Specializing in Agricultural Education

Students who wish to qualify for appointment as teachers of vocational agriculture may do so by taking either a major or a minor in Agricultural Education.

Those who major will follow the prescribed curriculum.

Those who minor must elect all of the courses listed under Agricultural Education. In addition, Ag 41, 42, 43, 44 should be elected.

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ag	1	Soils	2	2	3	Bc	2	Biochemistry	3	4	5
An	21	Livestock Feeding	3	2	4	Bc	8	Agr. Chemistry	2	0	2
Bc	1	Organic Chemistry	2	2	3	Fm	48	Agr. Economics	3	0	3
En	21	Gen. Entomology	2	4	4	Fy	20	Woodlot Forestry	2	0	2
Py	1	Gen. Psychology	2	2	3	Py	2	Gen. Psychology	2	2	3
Mt	3	Military	2	1	2	Mt	4	Military	2	1	2
Pt	3	Phy. Education	0	2	0	Pt	4	Phy. Education	0	2	0
								Elective			2
19						19					

Junior Year

Rec. Lab. Cr.						Rec. Lab. Cr.					
Ae	1	Practice Teaching	1	0	1	Ae	2	Practice Teaching	1	0	1
Ae	3	Spec. Methods in Teaching Agr.....	2	0	2	Ae	6	Spec. Methods in Teaching Agr.....	2	0	2
Ag	41	School Shop	0	2	1	Ag	6	Fertilizers	2	0	2
By	3	Bacteriology	2	0	2	Ag	16	Forage & Pasture Crops	1	2	2
Dh	1	Gen. Dairying	2	2	3	Ag	36	Farm Power	2	3	3
Eh	5	Tech. Composition	2	0	2	Ag	42	School Shop	0	2	1
		Elective			7	Fm	76	Agr. Marketing	3	0	3
								Elective			4
<hr/>						<hr/>					
18						18					

Senior Year

Rec. Lab. Cr.						Rec. Lab. Cr.					
Ae	1	Practice Teaching	1	0	1	Ae	2	Practice Teaching	1	0	1
Ae	5	Supervised Farm Practice	2	0	2	Ae	8	Teaching Farm Mechanics	2	0	2
Ag	15	Potato Prod.	2	2	3	Ag	30	Farm Machinery	2	3	3
Ag	35	Drainage & Land Recl.	2	3	3	Ag	44	School Shop	0	2	1
Ag	43	School Shop	0	2	1	Fm	52	Farm Accounting	1	6	3
Fm	73	Adv. Agr. Econ.	3	0	3	Fm	74	Farm Management	3	3	4
		Elective			5			Elective			4
					18						18

Curricula for Students Specializing in Agronomy or Agricultural Engineering

AGRONOMY

Sophomore Year

FALL SEMESTER					SPRING SEMESTER				
Subject			Hours		Subject			Hours	
			Rec.	Lab. Cr.				Rec.	Lab. Cr.
Ag	1	Soils	2	2	3	Ag	16	Forage & Pasture	
Ag	15	Potato Prod.	2	2	3			Crops	1 2 2
An	21	Livestock Feeding	3	2	4	Bc	2	Biochemistry	3 4 5
Bc	1	Organic Chemistry	2	2	3	Fm	48	Agr. Economics	3 0 3
En	21	Gen. Entomology	2	4	4	Mt	4	Military	2 1 2
Mt	3	Military	2	1	2	Pt	4	Phy. Education	0 2 0
Pt	3	Phy. Education	0	2	0			Elective	7
					19				

AGRICULTURAL ENGINEERING

The curriculum in Agricultural Engineering is arranged to enable the student to secure the degree of B.S. in Agricultural Engineering at the end of four years and then permit the student to secure a B.S. degree in the College of Technology by taking one additional year of work in that college.

A minimum of fifty credits is taken in agricultural courses to acquaint the student with the various branches of this field. The sciences fundamental to engineering are taken during the first two years, while during the junior and senior years the curriculum is so arranged that many courses may be taken in the field of Civil, Electrical or Mechanical Engineering. If the student wishes to earn the two degrees in the five-year period, it is essential that the proper subjects be taken during the entire course as planned.

Freshman Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Eh	1	Freshman Comp.	3	0	3	Eh	2	Freshman Comp.	3	0	3
Md	1	Fund. of Draft.	0	4	2	Ht	2	Gen. Hort.	2	2	3
Ms	1	Trigonometry	2	0	2	Md	2	Ely. Mach. Draft.	0	4	2
Ms	3	College Algebra	2	0	2	Ms	6	Anal. Geometry	4	0	4
Mt	1	Military	2	1	1½	Mt	2	Military	2	1	1½
Ph	1	Gen. Poultry Husb.	2	2	3	Ps	2b	Gen. Physics	4	2	5
Ps	1b	Gen. Physics	4	2	5	Pt	2	Phy. Education	0	2	0
Pt	1	Phy. Education	0	2	0						

Junior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab.	Cr.			Rec.	Lab.	Cr.
Ag	1	Soils	2	2	3	Ag	30	Farm Machinery	2 3 3
Ag	33	Farm Structures	2	3	3	Ag	36	Farm Power	2 3 3
En	21	Gen. Entomology	2	4	4	Me	36	Mech. Lab.	0 3 1½
		Elective		8				Elective	12
				18					19½

Senior Year

				Rec. Lab. Cr.							Rec. Lab. Cr.		
Ag	35	Drainage & Land					Ag	6	Fertilizers	2	0	2	
		Recl.	2	3	3		Ag	82	Seminar	1	0	1	
Ag	81	Seminar	1	0	1		Ee	36	Alt. Currents	2	0	2	
By	3	Bacteriology	2	0	2		Ee	38	Elec. Lab.	0	3	1½	
Dh	1	Gen. Dairying	2	2	3				Elective			11	
Ee	35	D. C. Machinery	2	0	2								
		Elective			7								
					<hr/>							<hr/>	
					18							17½	

Curricula for Students Specializing in Animal Husbandry or Dairy Husbandry**Sophomore Year**

Rec. Lab. Cr.					Rec. Lab. Cr.				
Ag	1	Soils	2	2 3	Ag	6	Fertilizers	2	0 2
An	21	Livestock Feeding	3	2 4	Ag	16	Forage & Pasture		
Bc	1	Organic Chemistry	2	2 3			Crops	1	2 2
Dh	1	Gen. Dairying	2	2 3	An	22	Dairy Cattle	2	2 3
En	21	Gen. Entomology	2	4 4	Bc	2	Biochemistry	3	4 5
Mt	3	Military	2	1 2	Fm	48	Agr. Economics	3	0 3
Pt	3	Phy. Education	0	2 0	Mt	4	Military	2	1 2
					Pt	4	Phy. Education	0	2 0
							Elective		2
<hr/>					<hr/>				
19					19				

ANIMAL HUSBANDRY**Junior Year**

FALL SEMESTER					SPRING SEMESTER						
Subject			Hours			Subject			Hours		
			Rec.	Lab. Cr.					Rec.	Lab. Cr.	
An	35	Anatomy of Domestic Animals	2	2	3	Ag	30	Farm Machinery or	2	3	3
Bc	9	Animal Biochem.	2	0	2	Ag	36	Farm Power			
Bt	45	Gen. Genetics	3	0	3	An	36	Physiology of Domestic Animals	3	0	3
By	1	Bacteriology	0	6	3	An	42	Adv. Livestock Management	0	2	1
By	3	Bacteriology	2	0	2	By	52	Bacteriology	1	4	3
Eh	5	Tech. Composition	2	0	2			Elective			8
		Elective			3						
					18						

Senior Year

FALL SEMESTER				SPRING SEMESTER			
Subject		Hours		Subject		Hours	
		Rec.	Lab. Cr.			Rec.	Lab. Cr.
Ag 35	Drainage & Land			An 38	Animal Pathology	2	0 2
	Recl.	2	3 3	An 60	Adv. An. Breeding	2	3 3
An 37	Animal Hygiene	2	0 2	An 64	Seminar	1	0 1
An 55	Animal Nutrition	2	0 2	Bv 54	Bacteriology		
An 63	Seminar	1	0 1		(Dairy)	1	4 3
Dh 3	Cheese Making	2	4 4	Fm 52	Farm Accounting	1	6 3
	Elective		6		Elective		6
<hr/>				<hr/>			
18				18			

Curriculum for Students Specializing in Dairy Technology**Sophomore Year**

Rec. Lab. Cr.				Rec. Lab. Cr.			
An 21	Livestock Feeding	3	2 4	Ag 36	Farm Power	2	3 3
Bc 1	Organic Chemistry	2	2 3	Bc 2	Biochemistry	3	4 5
Dh 1	Gen. Dairying	2	2 3	Fm 48	Agr. Economics	3	0 3
Mt 3	Military	2	1 2	Mt 4	Military	2	1 2
Ps 1b	Gen. Physics	4	2 5	Ps 2b	Gen. Physics	4	2 5
Pt 3	Phy. Education	0	2 0	Pt 4	Phy. Education	0	2 0
	Elective		2				
<hr/>				<hr/>			
19				18			

Junior Year

Rec. Lab. Cr.				Rec. Lab. Cr.			
By 1	Bacteriology	0	6 3	By 54	Bact. (Dairy)	1	4 3
By 3	Bacteriology	2	0 2	Dh 2	Buttermaking	1	4 3
Bc 57	Bio. Colloids	3	0 3	Dh 4	Cond. Milk	2	3 3
Dh 5	Market Milk	3	3 4	Dh 6	Dairy Prod. Judg.	0	2 1
Eh 5	Tech. Composition	2	0 2	Md 2	Ely. Mach. Draft.	0	4 2
Md 1	Fund. of Draft.	0	4 2		Elective		7
	Elective		2				
<hr/>				<hr/>			
18				19			

Senior Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Dh	3	Cheese Making	2	4	4	Dh	58	Ice Cream Makg.	2	4	4
Dh	51	Dairy Tech.	2	0	2	Dh	62	Dairy Tech. Sem.	1	0	1
Dh	55	Dairy Refrig.	2	0	2	Dh	64	Adv. Dairy Prod.			
Dh	61	Dairy Tech. Sem.	1	0	1			Control	0	4	2
Dh	63	Adv. Dairy Prod.				Dh	66	Dairy Mach.	0	4	2
		Testing	0	2	1	Fm	88	Marketing Dairy			
Fm	61	Agr. Bus. Acctg.	2	3	3			Prod.	3	0	3
		Elective			5			Elective			6
					18						18

Curriculum for Students Specializing in Bacteriology

This curriculum is designed primarily for those students who desire to fit themselves for laboratory technicians or for research in the fields of general or applied bacteriology. Stress is placed not only upon the agricultural phases of bacteriology, but also upon the sanitary and technical aspects. Students interested in bacteriology as applied to agriculture will take the regular freshman curriculum in Agriculture; others will be guided by the freshman curriculum as outlined below.

Freshman Year

Rec. Lab. Cr.					Rec. Lab. Cr.						
Ch	1	Gen. Chemistry	2	4	4	Bt	2	Gen. Botany	2	4	4
Eh	1	Freshman Comp.	3	0	3	Ch	2	Gen. Chemistry	2	4	4
Ms	1	Trigonometry	2	0	2	Eh	2	Freshman Comp.	3	0	3
Ms	3	College Algebra	2	0	2	Ms	6	Anal. Geometry	4	0	4
Mt	1	Military	2	1	1½	Mt	2	Military	2	1	1½
Zo	1	Gen. Zoology	2	4	4	Pt	2	Phy. Education	0	2	0
Pt	1	Phy. Education	0	2	0			Elective			2
		Elective			2						
					<hr/>						<hr/>
					18½						18½

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ag	1	Soils	2	2	3	Bc	2	Biochemistry	3	4	5
Bc	1	Organic Chemistry	2	2	3	Ch	40	Quant. Anal.....	1	8	4
Ch	31	Micro-Qual. Anal.	2	3	3	Gm	20	Germ. for Chem....	3	0	3
Gm	19	Germ. for Chem....	3	0	3	Mt	4	Military	2	1	2
Mt	3	Military	2	1	2	Pt	4	Phy. Education ...	0	2	0
Pt	3	Phy. Education ..	0	2	0			Elective			5
		Elective			5						
					<hr/>						<hr/>
					19						19

Junior Year

Rec. Lab. Cr.					Rec. Lab. Cr.						
Bc	41	Biochemistry	3	0	3	Bc	60	Physio. Chem.	3	3	4
Bt	53	Plant. Physi.	2	4	4	Bc	64	Biochem. Lab.			
By	1	Bacteriology	0	6	3			Methods	0	6	3
By	3	Bacteriology	2	0	2	By	52	Bacteriology	1	4	3
Gm	21	Germ. for Chem.	3	0	3	By	54	Bact. (Dairy)	1	4	3
		Elective			4	Ch	22	Intro. Theo. Chem.	3	0	3
						Gm	22	Germ. for Chem.	3	0	3
<hr/>					<hr/>						
19					19						

Senior Year

Rec. Lab. Cr.					Rec. Lab. Cr.						
Bc	57	Bio. Colloids.....	3	0	3	By	62	Seminar	1	0	1
By	55	Ract. (Soil)	1	4	3	By	92	Prob. in Bact.....	0	4-8	2-4
By	61	Seminar	1	0	1			Elective			14-12
By	91	Prob. in Bact.	0	4-8	2-4						
		Elective			8-6						
					<hr/>						<hr/>
					17						17

Curriculum for Students Specializing in Biochemistry

The curriculum in Biochemistry is designed to give the student an opportunity to specialize in the chemistry of plant and animal life. With a proper choice of electives under the direction of the major instructor, students may also pursue special work in agricultural chemistry, particularly in the chemistry of soil and fertilizers.

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ag	1	Soils	2	2	3	Bc	2	Biochemistry	3	4	5
Bc	1	Organic Chemistry	2	2	3	Ch	40	Quant. Anal.	1	8	4
Ch	31	Micro-Qual. Anal.	2	3	3	Gm	20	Germ. for Chem.	3	0	3
Gm	19	Germ. for Chem.	3	0	3	Ms	6	Anal. Geometry	4	0	4
Ms	1	Trigonometry	2	0	2	Mt	4	Military	2	1	2
Ms	3	College Algebra	2	0	2	Pt	4	Phy. Education	0	2	0
Mt	3	Military	2	1	2						
Pt	3	Phy. Education	0	2	0						
18						18					

Junior Year

			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Bc	41	Biochemistry	3	0	3	Bc	60	Physio. Chem.	3	3	4
Bc	53	Agr. Anal.	0	6	3	Bc	64	Biochem. Lab.			
By	1	Bacteriology	0	6	3			Methods	0	6	3
By	3	Bacteriology	2	0	2	By	52	Bacteriology	1	4	3
Gm	21	Germ. for Chem.	3	0	3	Ch	22	Intro. Theo. Chem.	3	0	3
		Elective			5	Gm	22	Germ. for Chem.	3	0	3
								Elective			3
					19						19

Senior Year

			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Bc	57	Bio. Colloids	3	0	3	Bc	92	Biochem. Res.	0	8	4
Bc	61	Adv. Biochem.	3	0	3			Elective			14
Bc	91	Biochem. Res.	0	8	4						
		Elective			8						
					18						18

Curriculum for Students Specializing in Botany and Entomology

Students interested in botany and entomology as applied to agriculture or forestry may transfer from either the Agriculture or Forestry curriculum at the beginning of the sophomore year. Others will be guided by the freshman curriculum outlined below.

Freshman Year

FALL SEMESTER					SPRING SEMESTER						
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ch	3	Gen. Chemistry	2	4	4	Bt	2	Gen. Botany	2	4	4
Eh	1	Freshman Comp.	3	0	3	Ch	4	Gen. Chemistry	2	4	4
Md	1	Fund. of Draft.	0	4	2	Eh	2	Freshman Comp.	3	0	3
Ms	1	Trigonometry	2	0	2	Md	2	Ely. Mach. Draft.	0	4	2
Ms	3	College Algebra	2	0	2	Mt	2	Military	2	1	1½
Mt	1	Military	2	1	1½	Zo	4	Animal Biol.	2	4	4
Zo	3	Animal Biol.	2	4	4	Pt	2	Phy. Education	0	2	0
Pt	1	Phy. Education	0	2	0						

Senior Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Bt	45	Gen. Genetics	3	0	3	Ce	18	Hist. Geology	3	0	3
Bt	53	Plant. Physi.	2	4	4	Bt	30	Plant Ecology	1	2	2
*Bt	59	Gen. Mycology	2	4	4	Bt	46	Genetics Lab.	0	4	2
Es	1a	Prin. of Ec.	3	0	3			Elective			10
		Elective			5						
					19						17

* Entomology students elect.

Curriculum for Students Specializing in Horticulture

Although but a single curriculum in Horticulture appears in the catalog, tending to place emphasis on a broad training, the student who wishes to specialize in one division may do so by combining a careful selection of elective courses with the completion of one of these groups: (1) fruit culture—Horticulture 1, 9, 10, and Farm Management 74; (2) vegetable gardening—Horticulture 10, 21, 25, and Farm Management 74; (3) floriculture and ornamental horticulture—Engineering Drafting 1 or 9, Horticulture 7 and 15. Problem courses afford still further opportunity for specialization.

Conflicts may largely be avoided by scheduling elective courses in this sequence: sophomore year, Course 9 and Engineering Drafting, 1 or 9; sophomore or junior year, Course 4; junior year, Courses 1, 7, and 10; junior or senior year, Courses 53, 54, and 55; senior year, Courses 11, 12, 15, 25, and Farm Management 74.

Sophomore Year

			Rec. Lab. Cr.						Rec. Lab. Cr.		
Ag	1	Soils	2	2	3	Bc	2	Biochemistry	3	4	5
Bc	1	Organic Chemistry	2	2	3	Ag	6	Fertilizers	2	0	2
En	21	Gen. Entomology	2	4	4	Fm	48	Agr. Economics	3	0	3
Ht	3	Trees & Shrubs	2	3	3	Ht	8	Home Flori.	2	2	3
Mt	3	Military	2	1	2	Mt	4	Military	2	1	2
Pt	3	Phy. Education	0	2	0	Pt	4	Phy. Education	0	2	0
		Elective			4			Elective			4
					19						19

Junior Year

FALL SEMESTER				SPRING SEMESTER			
Subject		Hours		Subject		Hours	
		Rec.	Lab. Cr.			Rec.	Lab. Cr.
Ag 35	Land Drainage & Recl.	2	3 3	Bt 56	Plant Path.	2	4 4
Bt 53	Plant Physi.	2	4 4	Ht 6	Landscape Gard.	2	3 3
By 3	Bacteriology	2	0 2	Ht 20	Veg. Gard.	2	2 3
Eh 5	Tech. Composition	2	0 2		Elective		9
Ht 53	System. Hort.	2	2 3				
	Elective		5				
<hr/>				<hr/>			
19				19			

Senior Year

FALL SEMESTER				SPRING SEMESTER			
Subject		Hours		Subject		Hours	
		Rec.	Lab. Cr.			Rec.	Lab. Cr.
Bt 45	Gen. Genetics	3	0 3	Ht 52	Seminar	1	0 1
Ht 51	Seminar	1	0 1		Additional Hort.		4
Ht 55	Adv. Pom.	2	2 3		Elective		12
	Additional Hort.		3				
	Elective		7				
<hr/>				<hr/>			
17				17			

Curriculum for Students Specializing in Poultry Husbandry**Sophomore Year**

FALL SEMESTER				SPRING SEMESTER			
Subject		Hours		Subject		Hours	
		Rec.	Lab. Cr.			Rec.	Lab. Cr.
Ag 1	Soils	2	2 3	Ag 16	Forage & Pasture Crops	1	2 2
An 21	Livestock Feeding	3	2 4	Bc 2	Biochemistry	3	4 5
Bc 1	Organic Chem.	2	2 3	Fm 48	Agr. Economics	3	0 3
Dh 1	Gen. Dairying	2	2 3	Ph 2	Incubation & Brood.	2	2 3
En 21	Gen. Entomology	2	4 4	Mt 2	Military	2	1 2
Mt 3	Military	2	1 2	Pt 4	Phy. Education	0	2 0
Pt 3	Phy. Education	0	2 0		Elective		4
<hr/>				<hr/>			
19				19			

Junior Year

FALL SEMESTER				SPRING SEMESTER			
Subject		Hours		Subject		Hours	
		Rec.	Lab. Cr.			Rec.	Lab. Cr.
An	35	Anatomy of Domestic		Ag	6	Fertilizers	2 0 2
		Animals	2 2 3	An	36	Physi. of Domestic	
Bt	45	Gen. Genetics	3 0 3			Animals	3 0 3
By	1	Bacteriology	0 6 3	By	52	Bacteriology	1 4 3
By	3	Bacteriology	2 0 2	Ph	22	Poultry Breed.	2 0 2
Eh	5	Tech. Composition	2 0 2			Elective	8
Ph	3	Exh. & Prod.					
		Judging	1 2 2				
		Elective	3				
			18				18

Senior Year

FALL SEMESTER				SPRING SEMESTER			
Subject		Hours		Subject		Hours	
		Rec.	Lab. Cr.			Rec.	Lab. Cr.
Ag	35	Drainage & Land		Fm	52	Farm Acctg.	1 6 3
		Recl.	2 3 3	Ph	26	Poultry Fm. Mgt.	1 2 2
Fm	89	Mktg. Poultry		Ph	40	Poultry Diseases	3 0 3
		Prod.	2 0 2	Ph	54	Seminar	1 0 1
Ph	25	Poultry Feed	2 0 2			Elective	9
Ph	53	Seminar	1 0 1				
		Elective	10				
			18				18

CURRICULA IN FORESTRY

Two curricula are offered in the Forestry Department, both leading to the degree of Bachelor of Science. Courses offered during the first year in either of these curricula are the same.

**Curriculum for the Freshman Year for All Students Taking
Four-Year Curricula in the Department of Forestry**

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ch	3	Gen. Chemistry	2	4	4	Bt	2	Gen. Botany	2	4	4
Eh	1	Freshman Comp.	3	0	3	Ch	4	Gen. Chem.	2	4	4
Fy	1	El. of Forestry	2	0	2	Eh	2	Freshman Comp.	3	0	3
Md	1	Fund. of Draft.	0	4	2	Fy	2	El. of Forestry	2	0	2
Ms	9	Trig. & Its Appl.	2	0	2	Md	2a	Drafting	0	4	2
Mt	1	Military	2	1	1½	Ms	10	Trig. & Its Appl.	2	0	2
Zo	1	Gen. Zoology	2	4	4	Mt	2	Military	2	1	1½
Fy	47	Orientation	1	0	0	Fy	48	Orientation	1	0	0
Pt	1	Phy. Education	0	2	0	Pt	2	Phy. Education	0	2	0

Curriculum in Forestry

A four-year undergraduate curriculum in Forestry is offered. In addition five courses from this undergraduate curriculum are open for graduate credit to students majoring in other curricula. A limited number of graduate students will be accepted for graduate work upon completion of the four-year curriculum or its equivalent at another university. The Forestry curriculum follows. It is arranged to meet the requirements of the profession of forestry for forestry instruction in the United States. Completion of the curriculum leads to the degree of Bachelor of Science. It will enable the graduate to qualify for technical and administrative positions in the profession and will admit to advanced standing in postgraduate schools of forestry. It will also render a student eligible for the Civil Service examinations for the position of Junior Forester in the United States Forest Service, and other Federal bureaus employing foresters. Owing to the wide field covered by the curriculum, it offers an excellent basis for a broad and liberal education.

The first two years are devoted very largely to fundamental and pre-technical subjects which are basic for a proper understanding of the more highly specialized work in technical subjects during the last two years. Instruction in the department consists of lectures, recitations, laboratory and field work, the latter consuming a considerable portion of the scheduled time.

A course of six weeks' practical experience is required of all men in the summer between the sophomore and junior years. This work is offered where

students are enabled to observe large forest areas under permanent management, and large private manufacturing plants specializing in the utilization of various kinds of forest products. A second course of eight weeks' practical experience is required of all seniors at camps, owned and operated by the Forestry Department, located on Indian Township, near Princeton, Maine.

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ag	5	Soil. Form. & Conservation	3	0	3	Bt	34	Dend. (Conifers)	1	3	2
Bt	33	Dend. (Hardwoods)	2	4	4	Eh	10	Modern Lit.	2	0	2
Ce	1	Plane Surveying	2	0	2	En	22	Forest Ent.	2	4	4
Ce	3	Field Wk. & Plott.	0	9	3	Es	2b	Prin. of Ec.	2	0	2
Es	1b	Prin. of Ec.	2	0	2	Fy	4	Admin. & Prot.	4	0	4
Fy	3	Logging	2	0	2	Fy	14	Forest Prod.	2	0	2
Mt	3	Military	2	1	2	Mt	4	Military	2	1	2
Pt	3	Phy. Education	0	2	0	Pt	4	Phy. Education	0	2	0

Senior Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
First 9 weeks						Bt 42	Forest Path.	2	4	4	
Fy 7	Lumber Mfg.	.....	2	0	2	Fy 16	Wood Ident.	0	3	1	
Fy 9	Wood Pres.	.....	1	0	1	Fy 52	Policy & Ec.	4	0	4	
Fy 51	Regional Silv.	.....	2	0	2		Elective			10	
Fy 53	Forest Finance	.....	3	2	2						
Fy 55	Forest Mgt.	.....	2	0	2						
Last 9 weeks											
Fy 41	Prac. of Forestry		0	48	9						

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Bt	33	Dend. (Hardwoods)	2	4	4	Bt	34	Dend. (Conifers)	1	3	2
By	3	Bacteriology	2	0	2	Bt	36	Taxonomy	2	4	4
Ce	1	Plane Surveying	2	0	2	Eh	10	Modern Lit.	2	0	2
Ce	3	Field Work & Plott.	0	9	3	En	26	Entomology	2	3	3
Fy	13	Forest Protection	2	0	2	Mt	4	Military	2	1	2
Mt	3	Military	2	1	2	Zo	10	Ornithology	2	4	4
Zo	9	Ichthyology	2	4	4	Pt	4	Phy. Education	0	2	0
Pt	3	Phy. Education	0	2	0						
19						17					

Summer Course

		Lab. Cr.	
Fy 35s	Silvics	16	2
Fy 37s	Forest Mensuration	8	1
Fy 45s	Gen. Ecology	24	3
		6	

Junior Year

Rec. Lab. Cr.					Rec. Lab. Cr.						
Ag	3	Soils (Forest)	2	3	3	An	44	Disease & Parasite Control (in Wild.), First 9 weeks	3	2	2
Bt	41	Biotic Rel.	2	3	3						
Fy	5	Forest Mens.	2	3	3	Eh	6	Tech. Comp.	2	0	2
Zo	13	Mammalogy	2	3	3	Fm	48	Agr. Economics	3	0	3
Zo	17	An. Parasitology	2	3	3	Fy	6	Forest Mens.	2	3	3
		Elective		4		Fy	8	Silviculture	3	3	4
						Fy	10	Nursery Prac., Last 9 weeks	0	6	1
								Elective			4
					19						19

Senior Year

FALL SEMESTER					SPRING SEMESTER						
Subject			Hours			Subject			Hours		
			Rec.	Lab. Cr.					Rec.	Lab. Cr.	
First 9 weeks											
Fy	51	Reg. Silviculture	2	0	2	Fy	52	Policy & Ec.	4	0	4
Fy	55	Forest Mgt.	2	0	2	Fy	58	Game Mgt.	2	3	3
Fy	57	Game Mgt.	4	4	3	Zo	20	Fish Mgt.	2	3	3
Zo	19	Fish Mgt.	1	3	1			Elective			9
Last 9 weeks											
Fy	41	Prac. of Forestry	0	48	9						

Basic Curriculum in Home Economics

Required of all students majoring in the department.

Freshman Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ch	5	Inorganic Chem.	2	4	4	Bc	4	Organic Chem.	3	2	4
Eh	1	Freshman Comp.	3	0	3	Eh	2	Freshman Comp.	3	0	3
He	1	Intro. to Home Ec.	3	0	3	He	2	Cloth. Sel. Prob.	2	2	3
He	3	Design	1	4	3	He	14	The Pre-School			
My	1	Mod. Society	3	0	3			Child	3	0	3
Pe	1	Phy. Education	0	2	0	My	2	Mod. Society	3	0	3
						Pe	2	Phy. Education	0	2	0

Senior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab.	Cr.			Rec.	Lab.	Cr.
Ag 47	Household Equip.	2	2	3	He 12	Senior Survey	1	0	1
He 11	Household Mgt.	2	0	2	*He 22	Household Admin.	—	—	3
	Sequence & Elec.			11	He 54	Family Ec. Prob.	3	0	3
						Sequence & Elec.			9
				16					16

* May be taken in the fall as He 21.

Sequences**Home Economics Education. 35-37 hours.**

This sequence fulfills the requirements for State certification of junior and senior high-school teaching of Home Economics and of certain science courses, and qualifies the student to receive, after a year of successful teaching experience, the vocational certificate which makes her eligible to teach in those schools which offer vocational programs with Federal support.

Requirements are as follows:

Bc 5	Biochemistry	4
Ed 65 (66)	Educational Measurements	3
He 7; 8 (8a)	Clothing Construction Problems	2-4
He 45 (46)	Advanced Clothing Construction	2
He 47 (48)	Fundamentals of Costume Design	1
He 49 (50)	Clothing Patterns	2
He 51	Clothing Economics	1
He 55 (56)	Home Economics Education	3
He 57a	Food Preservation	1
He 57 (58)b	Demonstrations	1
He 63 (64)	Nutrition	2
He 65 (66)	Dietetics	2
He 71 (72)a or b	Supervised Teaching	2
He 73, 74	Supervised Field Teaching	4
He 78	Advanced Home Economics Methods	2
He 85 (86)	School Lunch	1
Sh 1 (2)	Public Speaking	2

There is a demand for teachers prepared and certified to handle other high-school subjects in combination with Home Economics. Students who take this sequence are advised that it may be wise to choose their electives

in order to prepare themselves for certification in an additional subject. Pj 2,4, Summer Project, and He 18b Applied Design are also recommended.

Extension Teaching. 28-30 hours.

This sequence prepares the student for work as a home demonstration agent or a 4-H Club agent.

Bc 5	Biochemistry	4
Eh 19	Specialized Writing	2
He 7; 8 (8a)	Clothing Construction Problems	2-4
He 45 (46)	Advanced Clothing Construction	2
He 47 (48)	Fundamentals of Costume Design	1
He 49 (50)	Clothing Patterns	2
He 51	Clothing Economics	1
He 55 (56)	Home Economics Education	3
He 57a	Food Preservation	1
He 57 (58)b	Demonstration	1
He 63 (64)	Nutrition	2
He 65 (66)	Dietetics	2
He 81 (82)	Institutional Foods	3
Sh 1 (2)	Public Speaking	2

Further work in home economics, especially in institutional foods and in clothing; in education; in journalism; and in the social sciences is strongly recommended. Since 25 hours of this sequence is identical with the teaching sequence, and since either field is good experience for the other, students often combine this with the Home Economics Education sequence.

Food and Nutrition. 21-23 hours.

For students preparing for positions as hospital dietitians, Red Cross nutritionists, research workers in foods and nutrition, or home economists in commercial foods work. The following sequence meets the requirements of the American Dietetics Association for admission to student dietitianship in hospitals offering a Class A training course.

Bc 5	Biochemistry	4
*Bc 9 or 60	Biochemistry	2-4
*Ed	Education	3
He 63 (64)	Nutrition	2
He 65 (66)	Dietetics	2
*He 67 (68)	Nutrition in Abnormal Conditions	2
*He 81, 84, 87	Institutional Management	6

* For students preparing for other foods and nutrition positions than hospital dietetics, appropriate substitutes may be made for starred courses.

Textiles and Clothing. 19-21 hours.

For students interested in the clothing, textile, or decoration field, as designers, buyers, or advertising copy writers.

He 7, 8 (8a)	Clothing Construction Problems	2-4
He 17 (18a)	Applied Design	2
He 43 (44)	House Furnishing	3
He 45 (46)	Advanced Clothing Construction	2
He 51	Clothing Economics	1
He 52	Draping	2
He 61	History of Costume	1
*He 91, 92	Costume Design	6

* Appropriate substitutions may be made for starred courses.

Students who select this sequence are advised to include as electives courses in psychology, public speaking, theatre, French, art history, history, and journalism.

Child Development. 23 hours.

For students interested in prevocational training in fields such as nursery school, parent education and child welfare.

Bc 5	Biochemistry	4
He 57 (58)c	Nursery School Meals	1
He 59 (60)	Special Problem in Child Development	2
He 63 (64)	Nutrition	2
He 65	Dietetics	2
Py 67, 72, 76, 77, 81	} (12 hours selected)	12
Sy 20, 41, (42), 52, 57		

Students are advised to include courses in public speaking, in the appreciation of art and music, and additional zoology, English, and education. Arrangements are made for two students each year to do one semester's work in this field at the Merrill-Palmer School, Detroit, Michigan. The work will be accepted as applying on basic and sequence requirements.

General Home Economics

For students who wish an adequate basic training in home economics, but are not interested in organizing their programs about the requirements of any paid vocations.

Sixteen hours of advanced home economics courses in addition to those required in the basic curriculum.

Other Sequences

For students whose vocational needs are not met by these sequences, others may be arranged. They will consist of selected advanced Home Economics courses and related work in other departments.

SPECIAL STUDENTS IN AGRICULTURE

Persons not candidates for a degree who desire to take special studies may be permitted to do so, if, upon examination, they give satisfactory evidence that they are prepared to pursue them. This privilege is intended only for students of unusual maturity (at least twenty-one years of age) or previous advancement in particular subjects, and not for those who are incompetent to pursue a regular course. If they subsequently desire to become candidates for a degree, they will be required to meet all the entrance requirements.

The annual expenses for courses of one year or more are the same as those for students in the four-year curricula.

TWO-YEAR COURSE IN AGRICULTURE

This is a course of training for young men who wish to become practical farmers, farm superintendents, dairymen, poultrymen, fruit-growers, or gardeners, but who cannot devote time to full high-school or college training. It is also open to women.

The same equipment is used as in the four-year curricula, but the work is more elementary in nature. Most of the classes are separate and distinct from the four-year classes.

Students who have satisfactorily completed two years of high-school work are eligible for registration.

There are no entrance examinations required of those who desire to enter the Two-Year Course.

On completion of the course a certificate is awarded those who have satisfactorily met the requirements.

try Raising, Potato Production, and other subjects. Courses of shorter duration in other specialized subjects are also available.

Applicants for admission must be at least sixteen years of age and have had a good common-school education. Information concerning short courses may be secured by addressing the Director of Short Courses, College of Agriculture.

FARM AND HOME WEEK

There is a large number of people who cannot come to the college for a great length of time but who desire a few days of practical instruction. To reach and accommodate these, "Farm and Home Week" is held. Lectures on practical agricultural subjects are given morning, afternoon, and evening. Practical demonstrations occupy a part of each afternoon. Besides the practical subjects discussed, one or more sessions are given up to problems of rural betterment. Considerable emphasis is placed on agricultural marketing problems peculiar to Maine. The homemaking program includes the various phases of home management and is of interest to both rural and urban homemakers. Dates and programs may be secured each year by addressing the College of Agriculture.

THE EXTENSION SERVICE

The Extension Service is organized as a department of the College of Agriculture. It operates under the provisions of the Smith-Lever, Capper-Ketcham and Bankhead-Jones Acts, receiving its funds from State and Federal sources.

Its personnel is made up of two groups of agents. One group, the County Extension Agents, consists of agricultural agents, home demonstration agents, and club agents, having their headquarters within the counties which they serve. The other group, the State Agent force, consists of a limited number of specialists and leaders having their headquarters at the University but working with and assisting the County Extension Agents.

The Extension Service, through these men and women, gives direct assistance to people living on the farms and in the rural and urban homes of this state. The Farm Bureau, an organization having a membership of more than 12,000 men and women, cooperates with the Extension Service in the determination and development of its county and community programs of work.

IDENTIFICATION, TESTING, DIAGNOSTIC, AND CORRESPONDENCE SERVICE

The College of Agriculture provides a service for the identification of plant specimens, the diagnosis of plant and animal diseases and the testing of soils and materials. In addition the College welcomes inquiries on practical agricultural, forestry, and home economics subjects. Extension bulletins dealing with different phases of these subjects are published at frequent intervals throughout the year and will be sent without cost to persons applying for them. A list of bulletins and circulars available for distribution will be forwarded on request.

LECTURE SERVICE

Members of the faculty of the College of Agriculture are available as lecturers at grange, farm bureau, clubs and other gatherings when such service does not interfere with class instruction and travel funds permit. A complete list of lectures will be forwarded on request.

DEPARTMENTS OF INSTRUCTION

Courses designated by an odd number are given in the fall semester; those designated by an even number, in the spring semester.

When a course is offered in the first semester and also repeated in the second, it is designated by two numbers, the second of which is in parenthesis.

Two-semester courses designated with a period between the two numbers (e.g., 1. 2) may be taken either semester; when a semicolon appears between the two numbers (e.g., 1; 2), the first semester is prerequisite to the second; and when a dash appears between the two numbers (e.g., 1-2), both semesters must be taken to obtain credit.

Courses numbered 1-50 are for undergraduates only; courses numbered 51-100 are for graduates and undergraduates; courses numbered above 100 are primarily for graduates.

AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

PROFESSORS MERCHANT AND JONES; ASSOCIATE PROFESSOR DOW;
ASSISTANT PROFESSOR NIEDERFRANK; MR. MARCY

48. *Agricultural Economics*—An introductory course in the principles of economics as applied to agriculture. Consideration is given to the development of commercial agriculture, price-making forces, production factors, land policies, foreign trade, taxation, credit, marketing, and farm management. *Three credit hours.*

MR. JONES

52. *Farm Accounting*—Principles of keeping farm records and accounts, and their practical application in the management of farms. Classroom, *one hour a week*; laboratory, *six hours a week*. *Three credit hours.*

MR. MARCY

61. *Agricultural Business Accounting*—Accounting methods for different types of farm business organizations, such as cooperative marketing associations, creameries, cheese factories, Grange stores, and others. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours.*

MR. MARCY

65. *Forest Accounting*—Accounting methods for the different types of logging and lumbering operations. Problems in cost and income factors, and profit and loss statements of various kinds of forest operations. Class-

room, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.

MR. NIEDERFRANK

73. *Advanced Agricultural Economics*.—Advanced consideration of the principles and theory of economics as applied to the field of agriculture. Prerequisite, Course 48. *Three credit hours*.

MR. MARCY

74. *Farm Management*.—Farming as a business; size of business; balance; production rates; labor efficiency; crop rotations; machinery; farm layout; building arrangement; choosing a farm; and study of farm organization and management of specific farms. Classroom, *three hours a week*; laboratory, *three hours a week*. *Four credit hours*.

MR. JONES

75. *Agricultural Statistics*.—Practical problems in statistical measurements such as averages, trends, seasonal variation, cycles, index numbers, linear and non-linear correlations, and errors. Classroom, *one hour a week*; laboratory, *six hours a week*. *Three credit hours*.

MR. MERCHANT

76. *Agricultural Marketing*.—The economic principles of marketing agricultural products, with special reference to products of importance in the northeastern United States. *Three credit hours*.

MR. MERCHANT

77. *Agricultural Finance*.—Credit needs and sources of credit for farmers with special reference to Maine. *Three credit hours*.

MR. MERCHANT

***78. *Marketing Potatoes*.**—Trends in production, regional competition, grades, containers, storage, transportation, sale methods, and price relationships. Prerequisite, Farm Management 48. *Three credit hours*.

MR. LIBBY

79. *Cooperation in Agriculture*.—Appreciation and understanding of the cooperative method of business organization—its place in economic theory, its historical development and present extent, and principles of organization and operation of agricultural cooperative associations. *Three credit hours*.

MR. NIEDERFRANK

83-84. *Thesis*.—A thesis on a subject in agricultural economics, farm management, agricultural marketing, agricultural finance, land utilization, farm taxation, agricultural prices, or rural sociology. Prerequisite, permission to register. *Credit, arranged*.

MEMBERS OF THE DEPARTMENTAL STAFF

86. *Agricultural Marketing (Apples and Small Fruits)*.—The economic factors involved in marketing apples and small fruits with special emphasis on New England. *Two credit hours*.

MR. MARCY

* A description of this course also appears under the Department of Agronomy and Agricultural Engineering.

87. Agricultural Prices.—The underlying factors causing price changes in agricultural commodities, effects of inflation and deflation, inter-relationship of supply and prices, long-time trends, seasonal variation, cyclical movements, and government price policies *Three credit hours.*

MR. JONES

88. Marketing Dairy Products.—Milk and cream marketing practices in New England, and the marketing of butter, cheese, ice cream, and miscellaneous dairy products in other sections. *Three credit hours.* MR. DOW

89. Marketing Poultry Products.—The marketing of eggs and poultry with special consideration given to production, grades, containers, transportation, market receipts, consumption, storage market channels, foreign trade, price, and costs of marketing. *Three credit hours.* MR. DOW

91. Land Utilization.—Physical factors and economic conditions determining the utilization of farm land, production areas for important farm commodities, shifts taking place in these areas, trends in population and consumption, land classification, land values, and land policy. *Three credit hours.* MR. JONES

92. Rural Tax Problems.—National, state, and local problems connected with rural taxation. The effect of increased tax burdens on farmers. Growth of public expenditures; sources of public revenues; the general property tax and its administration. The effect of income, inheritance, and gasoline taxes on farmers. *Two credit hours.* MR. JONES

101. Production Costs.—Cost of producing important farm commodities in Maine and in competing regions, cost and production efficiency, problems involved in cost determination, analysis of cost records, cost variations, and research methods. Open to seniors and graduate students by permission. *Two credit hours.* MR. JONES

102. Advanced Agricultural Statistics.—Analysis of variance, measures of significant differences, partial correlation, and multiple correlation, using linear and curvilinear relationships. Open to seniors and graduate students by permission. *Credit, arranged.* MR. MERCHANT, MR. DOW

103. Advanced Farm Management.—Special emphasis is given to the organization and management of farms under various economic conditions, farm prices, and labor efficiency. Open to graduate students. *Credit, arranged.* MR. JONES

104. Advanced Agricultural Marketing.—Advanced work in the marketing of potatoes, apples, poultry, eggs, and dairy products, especially milk. Open to graduate students. *Credit, arranged.* MR. MERCHANT

125. Graduate Thesis.—*Credit, arranged.* MR. MERCHANT

Rural Sociology

24. Rural Sociology.—Appreciation and understanding of the social aspects of agriculture and rural life in changing process. Population, neighborhood, community, interest groups, rural institutions like the school and church, standard of living, adjustments and policies. *Three credit hours.*

MR. NIEDERFRANK

64. Community Organization and Leadership.—An advanced course in rural sociology that deals with the rural community; its structural organization—in history and at present time; its social and economic relations, and organization and planning for their improvement; principles of leadership. Prerequisite, Sy 1 or Fm 24. *Three credit hours.* MR. NIEDERFRANK

AGRICULTURAL EDUCATION

PROFESSOR HILL; ASSISTANT PROFESSOR ELLIOTT

1, 2. Practice Teaching.—Majors and minors in agricultural education are expected to do directed teaching in an approved school. When possible one hour's credit is to be earned in each semester of both Junior and Senior years. Time and credit arranged. Total credit, *four hours.*

MR. HILL, MR. ELLIOTT

3, 6. Special Methods in Teaching Agriculture.—State and Federal legislation; the curriculum; teaching plans for the year; programs of work; rooms and equipment; teaching methods and lesson plans; conducting the class; part-time and evening schools; Future Farmers of America. *Two credit hours.*

MR. HILL, MR. ELLIOTT

5. Supervised Farm Practice.—Requirements for supervised farm practice; its importance; selection of projects; project plans; project records; project supervision; long-time programs; project budgeting; credit for farm practice; project contests. *Two credit hours.*

MR. HILL, MR. ELLIOTT

8. Methods of Teaching Farm Shop.—Methods for teachers of vocational agriculture stressing importance of meaning, aims, and purposes; choosing type of shop; tools and equipment; determining how to organize shop; shop texts and references; content of courses; organizing the course content. *Two credit hours.*

MR. HILL, MR. ELLIOTT

101s. Current Problems in Agricultural Education.—Analysis of one or more special problems in agricultural education with special reference

to time limits. Not open to undergraduates. Offered in summer only for agricultural teachers. *One to three credit hours.* MR. HILL, MR. ELLIOTT

AGRONOMY AND AGRICULTURAL ENGINEERING

PROFESSOR CHUCKA; ASSOCIATE PROFESSOR LIBBY; ASSISTANT PROFESSORS SWIFT, RALEIGH, CROWTHER

Soils and Fertilizers

1. Soils.—Origin, types, physical and chemical properties of soils and their relation to crop production. Classroom, *two hours a week*; laboratory, *two hours a week.* *Three credit hours.* MR. LIBBY

3. Soils (Forest).—Origin, types, physical and chemical properties of soils as related to forests. Classroom, *two hours a week*; laboratory, *three hours a week.* *Three credit hours.* MR. SWIFT

5. Soil Formation, Erosion, and Conservation.—Soil-forming rocks and minerals, agencies involved in soil formation; causes, types, and extent of soil erosion; principles and methods of soil conservation. *Three credit hours.* MR. CHUCKA

6. Fertilizers.—Source, composition, and properties of fertilizer materials as related to composition, cost, methods of application, and general use of commercial fertilizers in crop production. Prerequisite, Course 1 or 3. *Two credit hours.* MR. CHUCKA

51. Soil Fertility.—Principles involved in the improvement and maintenance of soil fertility through the use of lime, stable manures, green manures, and commercial fertilizers. Prerequisite, Course 1 or 3. *Two credit hours.* MR. CHUCKA

52. Soil Classification, Surveying, and Mapping.—Theories, methods, and uses of soil classification, surveying, and mapping. Prerequisite, Course 1 or 3. Classroom, *two hours a week*; laboratory, *three hours a week.* *Three credit hours.* MR. SWIFT

54. Soil Analysis.—Principles, methods, and practical value of the various field and laboratory methods of soil analysis. Prerequisites, Courses 1 and 6. Classroom, *one hour a week*; laboratory, *four hours a week.* *Three credit hours.* MR. CHUCKA

Crops

11. Field Crops.—The principal field crops of the United States with special reference to crops important in New England. Their general culture, use, and adaptation. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. RALEIGH

13. Weed Identification and Control.—Characteristics of weeds, their sources, method of reproduction, dissemination, migration, and methods of control. Prerequisites, Course 11 and Botany 2. Laboratory, *four hours a week*. *Two credit hours*. MR. RALEIGH

14. Sweet Corn, Beans, and Peas.—The production of sweet corn, beans, and peas for canning purposes. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*. MR. RALEIGH

15. Potato Production.—Factors involved in the production of potatoes. Varieties, seed selection, preparation of land, planting, fertilization, spraying, harvesting, and storing. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. LIBBY

16. Forage and Pasture Crops.—Grasses, legumes, and root crops, their management and uses for forage and pasture. Prerequisite, Course 11. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*. MR. RALEIGH

60. Crop Improvement.—Principles and methods involved in field-crop improvement and methods of testing new varieties. Prerequisite, Botany 45. *Three credit hours*. MR. RALEIGH

62. Seed Potato Production.—Factors involved in seed potato production emphasizing selection of foundation seed stock, tuber unit planting, potato diseases, roguing, certification and development, and testing of new varieties. Prerequisite, Course 15. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. LIBBY

***78. Marketing Potatoes.**—Trends in production, regional competition, grades, containers, storage, transportation, sale methods, and price relationships. Prerequisite, Farm Management 48. *Three credit hours*. MR. LIBBY

* The description of this course also appears under the Department of Agricultural Economics and Farm Management and should be registered for under the designation, Fm 78.

Agricultural Engineering

30. Farm Machinery.—Construction, operation, care, and adjustment of farm machinery. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CROWTHER

33. Farm Structures.—Planning, designing, and the construction of farm buildings; water systems; heating systems; sewage disposal; and the use of concrete on the farm. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CROWTHER

34. Farm Shop.—Training in the care and use of tools and equipment for ordinary construction and repair work necessary on the farm. *Four hours a week*. *Two credit hours*. MR. SWIFT

35. Drainage and Land Reclamation.—Theory and field work in taping, leveling, plane table, compass, and transit work. The theory and design of terraces, open ditches, soil-saving structures, and tile drainage systems with field work in their layout. Classroom, *two hour a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CROWTHER

36. Farm Power.—Application of power to farm operations. The construction, operation, care, and adjustment of gas and electric motors and related equipment. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CROWTHER

41. School Shop.—Wood-tool fitting and operations; furniture repair and refinishing; and painting. Laboratory, *two hours a week*. *One credit hour*. MR. CROWTHER

42. School Shop.—Forge and cold metal work, and soldering. Laboratory, *two hours a week*. *One credit hour*. MR. SWIFT

43. School Shop.—Drawing, blue print reading, concrete work, plumbing, and surveying. Laboratory, *two hours a week*. *One credit hour*. MR. SWIFT

44. School Shop.—Practical work in electricity, farm machinery repair including electric and acetylene welding, power transmission, and harness repair. Laboratory, *two hours a week*. *One credit hour*. MR. CROWTHER

47 (48). Household Equipment.—Operation, care, adjustment, and selection of electrical and other types of household equipment. Elementary principles of heat, electricity, and home lighting are also considered. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. CROWTHER

Agronomy and Agricultural Engineering (General)

81. 82. Seminar.—Study of recent literature, problems and experiments pertaining to soils, crops, and agricultural engineering. *One credit hour.* MEMBERS OF THE DEPARTMENTAL STAFF

83. 84. Special Problems in Agronomy and Agricultural Engineering.—*Credit, arranged.* MEMBERS OF THE DEPARTMENTAL STAFF

125. Graduate Thesis.—*Credit, arranged.* MR. CHUCKA

ANIMAL INDUSTRY

PROFESSORS CAIRNS AND DORSEY; ASSISTANT PROFESSORS HALL AND WITTER;
MR. ROGERS; MR. GARLAND

Animal Husbandry

2. General Animal Husbandry.—An introduction to Animal Husbandry. The market types and classes of livestock, their economic importance and place in this region. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours.* MR. CAIRNS, MR. HALL

21. Livestock Feeding.—The principles of livestock feeding; livestock feeds and their values for the different classes of stock. The laboratory work consists of the study of feeds; the use of feeding standards; and the computation of rations. Prerequisite, Course 2. Classroom, *three hours a week*; laboratory, *two hours a week*. *Four credit hours.* MR. CAIRNS

22. Dairy Cattle.—A production course dealing in the selection, breeding, care and management of a dairy herd. The laboratory will be devoted to practical problems and dairy cattle judging. Prerequisites, Courses 2 and 21. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours.* MR. CAIRNS

23. Beef Cattle and Horses.—A production course. One-half of the course is devoted to beef cattle and the other half to horses. The selection, breeding, feeding, care and management of the particular class of stock will be discussed. Prerequisites, Courses 2 and 21. *Two credit hours.*

MR. CAIRNS

24. Sheep and Swine.—A production course. One-half of the semester is devoted to sheep and the other half to swine. Selection, breeding, care

and management of the particular class of stock will be discussed. Prerequisites, Courses 2 and 21. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. CAIRNS

35. *Anatomy of Domestic Animals.*—Comparative anatomy of the domestic animals and birds. Emphasis is placed on the important histological features, and those parts of the body involved in the common diseases. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. WITTER

36. *Physiology of Domestic Animals.*—Special emphasis is placed on comparative features, especially of the circulatory, respiratory, digestive, and uro-genital systems of domestic animals and birds. *Three credit hours*. MR. WITTER

42. *Advanced Livestock Judging and Management.*—The student gets experience in judging and handling livestock. Visits may be made to livestock farms. Laboratory, *two hours a week*. *One credit hour*. MR. HALL

55. *Animal Nutrition.*—Principles of nutrition, methods of experimentation, and the application of nutritional theories to practical feeding problems. Prerequisite, Course 21. *Two credit hours*. MR. CAIRNS

57. 58. *Problems in Animal Husbandry and Animal Pathology.*—Open to qualified senior and graduate students. *Credit, arranged*. MR. CAIRNS, MR. WITTER

60. *Animal Breeding.*—The physiology of reproduction; the principles and theories of breeding as applied in the livestock industry; and the study of pedigrees and records in the herd books. Open to senior and graduate students. Prerequisite, Course 35. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. HALL

63. 64. *Seminar.*—Preparation and presentation of papers dealing with topics in the field of Animal Husbandry. *One credit hour*. MR. CAIRNS, MR. HALL

65. *Advanced Animal Industry.*—The handling and preparation of livestock for market. Farm and packing house methods of the slaughter of animals, and the cutting and curing of meats. Whenever possible, this actually will be done. Prerequisites, Courses 2 and 21. *Two credit hours*. MR. HALL

125. *Graduate Thesis.*—*Credit, arranged*. MR. CAIRNS

Animal Pathology

37. Animal Hygiene.—Principles of hygiene and sanitation applied to prevention and control of common diseases of domestic animals. Special attention given to the fundamentals of disease processes. Prerequisite, Course 36. *Two credit hours.* MR. WITTER

38. Animal Pathology.—Infectious and parasitic diseases of domestic animals and the principles of immunology as applied to biological treatment and prevention. Prerequisite, Course 37. *Two credit hours.* MR. WITTER

***40. Poultry Diseases.**—Principles of hygiene and sanitation applied to the prevention and control of the diseases of poultry, including a detailed consideration of the pathological processes involved in the common diseases. *Three credit hours.* MR. WITTER

44. Disease and Parasite Control (in Wildlife).—Known infectious and parasitic diseases of game and fur-bearing animals, emphasizing preventive and control measures. First half semester. Classroom, *three hours a week*; laboratory, *two hours a week.* *Two credit hours.* MR. WITTER

Dairy Husbandry and Dairy Technology

1. General Dairying.—Milk, its secretion, composition, properties, pasteurization, and separation. Testing dairy products for fat (Babcock method), acidity, total solids, and common adulterations. Classroom, *two hours a week*; laboratory, *two hours a week.* *Three credit hours.*

MR. DORSEY

2. Butter Making.—Creamery butter industry. Starter making, cream ripening, churning, and preparing butter for market. Prerequisite, Course 1. Classroom, *one hour a week*; laboratory, *four hours a week.* *Three credit hours.*

MR. ROGERS

3. Cheese Making.—Manufacture and curing of various types of cheese, including cheddar and soft cheeses adapted to the New England trade. Prerequisite, Course 1. Classroom, *two hours a week*; laboratory, *six hours a week.* *Four credit hours.*

MR. DORSEY

4. Condensed Milk.—Manufacture of unsweetened and sweetened condensed milk, and milk powder. Prerequisite, Course 1. Classroom, *two hours a week*; laboratory, *three hours a week.* *Three credit hours.*

MR. DORSEY

* The description of this course also appears under the Department of Poultry Husbandry and should be registered for under the designation Ph 40.

5. Market Milk.—The market-milk industry from standpoints of production, supply, sanitary control, transportation, processing, delivery, organization, and economic aspects. Prerequisite, Course 1. Classroom, *three hours a week*; laboratory, *three hours a week*. *Four credit hours*.

MR. ROGERS

6. Judging Milk and Milk Products.—Study and practice of methods employed in scoring and judging milk and milk products. Prerequisite, Course 1. Laboratory, *two hours a week*. *One credit hour*. MR. ROGERS

51. Dairy Technology.—Milk products and by-products, methods of manufacture and processing, and scrutiny of recent literature relating to advances in dairy technology. Lectures and assigned readings. Prerequisite, Course 1. *Two credit hours*. MR. DORSEY

53. 54. Problems in Dairy Husbandry.—*Credit, arranged*.

MR. DORSEY

55. Dairy Refrigeration.—Principles of refrigeration, refrigeration machinery and equipment, and applications of refrigeration to milk and milk products. *Two credit hours*. MR. DORSEY

58. Ice Cream Making.—Manufacture of ice cream and ices. Prerequisites, Courses 51 and 55. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*. MR. DORSEY

61. 62. Dairy Technology Seminar.—Study of recent and current literature dealing with research problems and the industrial applications of research findings in the technological field of dairy industry. For seniors majoring in Dairy Technology. *One credit hour*. MR. DORSEY

63. Advanced Dairy Products Testing.—Testing milk and milk products by the Mojonier method. Open to senior students in the Department of Animal Industry. Laboratory, *two or four hours a week*. *One or two credit hours*. MR. DORSEY, MR. ROGERS

64. Advanced Dairy Products Control.—Approved methods of testing dairy products, chemical, physical, and bacteriological, used for control purposes in the dairy industry, and the practical application of such new tests as they are introduced. Prerequisite, Course 63. Laboratory, *four hours a week*. *Two credit hours*. MR. DORSEY

66. Dairy Machinery.—Milk and milk-products machinery, accessory machinery, and plant layout. Prerequisite, Course 51. Laboratory, *four hours a week*. *Two credit hours*. MR. DORSEY

125. Graduate Thesis.—*Credit, arranged*.

MR. DORSEY

BACTERIOLOGY AND BIOCHEMISTRY

PROFESSORS HITCHNER AND SMITH ; ASSISTANT PROFESSORS HIGHLANDS* AND PEDLOW ; DR. SNIESZKO ; MR. GUTHRIE ; MR. SHIGLEY

Bacteriology

1. Bacteriology.—A laboratory course in general bacteriology. Open to all students. Includes the preparation of the usual culture media and study of morphological and biological characteristics of typical bacteria. Course 3 must be taken in conjunction. Laboratory, *six hours a week. Three credit hours.* MR. HITCHNER, MR. HIGHLANDS, MR. GUTHRIE

2. Bacteriology.—Similar to Course 1. Offered for students in the College of Technology and others who may elect it. Special emphasis is placed upon bacteriology of water and sewage. Prerequisite, Course 3. Laboratory, *six hours a week. Three credit hours.* MR. HIGHLANDS, MR. GUTHRIE

3. Bacteriology.—A lecture course open to all students. It must be elected by students taking Course 1. The history of bacteriology ; classification and biological characteristics of bacteria ; bacteria in air, water, soil, and dairy products ; relation of bacteria to health and disease. *Two credit hours.* MR. HITCHNER

5. Bacteriology.—An abbreviated laboratory course in general bacteriology. Practical demonstrations of the relation of bacteria to disease, sanitation, food handling, and other economic phases are given. The aim is appreciation of bacteriological technic. Course 3 must be taken in conjunction. Laboratory, *two hours a week. One credit hour.* MR. HIGHLANDS

10. Sanitation and Public Health.—General consideration of the relationship between the health of the individual and environment. Sanitary programs for the home and community such as sewage disposal, safe water supplies, industrial sanitation, and dust menaces. Prerequisite, Course 3. *Two credit hours.* MR. HIGHLANDS

52. Bacteriology.—Physiological, morphological, biochemical, and serological activities of bacteria ; isolation and identification of pathogens together with animal inoculation and serological tests. Prerequisites, Courses 1 or 2, and 3. Classroom, *One hour a week ; laboratory, four hours a week. Three credit hours.* MR. HITCHNER, MR. SNIESZKO

* On leave of absence, one year, effective February 1, 1942.

54. Bacteriology (Dairy).—Effect of pasteurization on milk bacteria; quantitative bacterial determination of butter and cheese; typical milk bacteria; special biochemic tests for quality of milk. Prerequisites, Courses 1 or 2, and 3. Classroom, *one hour a week*; laboratory, *†four hours a week*. *Three credit hours*. MR. HITCHNER

55. Bacteriology (Soil).—Theoretical and experimental consideration of the relationship of microorganisms and soil fertility. Factors which influence the changes produced through microbial action. Prerequisites, Courses 1 or 2, and 3. Classroom, *one hour a week*; laboratory, *four hours a week*. *Three credit hours*. MR. SNIESZKO

56. Food Technology.—Principles and the applications of food conservation, with especial reference to commercial practices in canning, drying, and freezing. Open to students whose training in bacteriology and chemistry meets the approval of the instructor. Classroom, *one hour a week*; laboratory, *four hours a week*. *Three credit hours*. MR. HIGHLANDS

61. 62. Seminar.—Preparation and presentation of papers dealing with current researches and developments in the fields of bacteriology. *One credit hour*. MR. HITCHNER

91. 92. Problems in Bacteriology.—A laboratory and conference course for students desiring to pursue some particular line of bacteriological investigation. This may include problems in bacteriology especially applied to food technology. Open only to students who have done considerable work in bacteriology. *Credit, arranged*. MR. HITCHNER, MR. HIGHLANDS

125. Graduate Thesis.—*Credit, arranged*. MR. HITCHNER

Biochemistry

1. Organic Chemistry.—For agricultural students. A study of the aliphatic compounds; hydrocarbons, alcohols, acids, amines, amides, etc., and brief resumé of the more important aromatic compounds. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. SMITH

2. Biochemistry.—Plant biochemistry, including a study of the physico-chemical reactions of plants. A detailed study of carbohydrates, fats, and proteins; glucosides; and enzymes. Prerequisite, Course 1. Classroom, *three hours a week*; laboratory, *four hours a week*. *Five credit hours*. MR. SMITH

4. Organic Chemistry.—Ionization and the intensity factor of acidity; elementary surface chemistry and colloidal phenomena; the hydro-

carbons and alcohols. Classroom, *three hours a week*; laboratory, *two hours a week*. *Four credit hours*.

MR. PEDLOW, MR. SHIGLEY

5. Biochemistry.—The aldehydes, acids, fats, carbohydrates, proteins and related compounds. Prerequisite, Course 4. Classroom, *three hours a week*; laboratory, *two hours a week*. *Four credit hours*.

MR. PEDLOW, MR. SHIGLEY

8. Agricultural Chemistry.—A brief discussion of the chemistry of plants, animals, soils, fertilizers, insecticides, milk, and related topics. *Two credit hours*.

MR. SMITH

9. Biochemistry.—Animal biochemistry. Composition of the animal body; chemistry of digestion; assimilation and metabolism of foods; chemistry of blood and lymph; and elimination of waste product. Prerequisite, Course 2. *Two credit hours*.

MR. SMITH

41. Biochemistry.—Carbohydrates, fats, and proteins; nature of enzymes and their effect upon food materials; chemical changes involved in digestion, assimilation, and absorption of foods; respiration; chemistry of the blood, including clinical methods of analysis. Prerequisites, Courses 1 and 2. *Three credit hours*.

MR. SMITH

53. Agricultural Analysis.—Quantitative analysis of fertilizers, foods, dairy products, and textile materials. Type of work will be adapted to needs of the student. Prerequisite, Course 1 or 4. Laboratory, *four or six hours a week*. *Two or three credit hours*.

MR. SMITH

57. Biological Colloids.—An introduction to colloidal chemistry with application and significance in biological systems. Open to junior, senior, and graduate students. Prerequisites, Courses 1 and 2 or 4 and 5. *Three credit hours*.

MR. PEDLOW

60. Physiological Chemistry.—The physiological utilization of the carbohydrates, fats, and proteins with special emphasis upon the functions of enzymes, hormones, and vitamins. Prerequisite, Course 2 or 5. Classroom, *three hours a week*; laboratory, *three hours a week*. *Four credit hours*.

MR. PEDLOW

61. Advanced Biochemistry.—A detailed treatment of the proteins, carbohydrates, and liquids. Prerequisite, Course 60. *Three credit hours*.

MR. PEDLOW

64. Biochemical Laboratory Methods.—Methods used in the biochemical laboratory for testing carbohydrates, fats, amino acids, proteins, enzymes; studies of the colloidal properties of biochemical material; H-Ion concentration measurement methods. Prerequisite, Course 53 or Chemistry 41. Laboratory, *six hours a week*. *Three credit hours*.

MR. PEDLOW

91. 92. Biochemical Research.—Problems dealing with various phases of biological or agricultural chemistry. Special problems may be selected by the student under direction and advice of the Department. A comprehensive written summary is required. Open only to senior and graduate students. *Credit, arranged.* MR. SMITH, MR. PEDLOW

125. Graduate Thesis.—*Credit, arranged.* MR. HITCHNER

BOTANY AND ENTOMOLOGY

PROFESSOR STEINMETZ; ASSOCIATE PROFESSORS DIRKS AND STEINBAUER;
ASSISTANT PROFESSOR HYLAND; DR. OGDEN; MR. WRIGHT

Botany

1 (2). General Botany.—Fundamental principles of plant life. Required of all students in the College of Agriculture excepting those registered in Agricultural Engineering and Home Economics. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours.*

MEMBERS OF THE DEPARTMENTAL STAFF

30. Plant Ecology.—Environmental factors determining adaptations and distribution of plant life. Prerequisite, Course 1 (2). Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours.*

MR. STEINBAUER

32. Plant Physiology.—For students in Forestry. Prerequisite, Course 1 (2) and one year of chemistry. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours.*

MR. STEINBAUER

33. Dendrology (Hardwoods).—Classroom and field work on identification and classification of trees and native shrubs of North America. Prerequisite, Course 1 (2). Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours.*

MR. HYLAND, MR. OGDEN

34. Dendrology (Conifers).—Continuation of Course 33. Botanical and commercial ranges of timber trees of North America. Prerequisite, Course 33. Classroom, *one hour a week*; laboratory, *three hours a week*. *Two credit hours.*

MR. HYLAND

35. Plant Anatomy.—Structure of woody and herbaceous plants. Prerequisite, Course 1 (2). Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours.*

MR. HYLAND

36. Taxonomy.—Identification of herbaceous flowering plants, with emphasis upon those of wildlife importance. Prerequisite, Course 33. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. OGDEN

41. Biotic Relationships.—Interrelationships of organisms with emphasis upon the lower plant forms. Prerequisite, Course 36. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.

MR. OGDEN

42. Forest Pathology.—Principles of plant disease, as applied to seedlings, nursery stock, and forest trees; destruction of timber by fungi; and principles of control. Required of seniors in Forestry. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. STEINMETZ

43. Wood Identification.—Identification of commercial woods with the unaided eye, lens, and microscope. Laboratory, *three hours a week*. *One credit hour*.

MR. HYLAND

45. General Genetics.—Principles of genetics. Prerequisite, one year of biology. Open to juniors and seniors. *Three credit hours*.

MR. STEINMETZ

46. Genetics Laboratory.—Breeding of *Drosophila*. Study of plant materials. Supplementary reading. Laboratory, *four hours a week*. *Two credit hours*.

MR. STEINMETZ, MR. OGDEN

***50. Histological Technique.**—Methods and technique in the preparation of microscopic sections of plant material. Classroom, *one hour a week*; laboratory, *six hours a week*. *Three credit hours*.

MR. HYLAND

53. Plant Physiology.—Classroom and laboratory work on the physiology of plants. Prerequisites, Course 1 (2) and one year of chemistry. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. STEINBAUER

56. Plant Pathology.—Principles of plant disease. Open to juniors and seniors. Prerequisite, Course 1 (2). Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. STEINMETZ

57. Taxonomy of Vascular Plants.—Characteristics, identification, and classification of representative species of vascular plants. Prerequisite, Course 1 (2). Classroom, *two hours a week*; laboratory and field, *four hours a week*. *Four credit hours*.

MR. STEINMETZ

* Admission by arrangement with instructor.

59. General Mycology.—Morphology, identification, and classification of representative species of fungi. Prerequisite, Course 1 (2). Offered in 1942-43. Classroom, *two hours a week*; laboratory and field, *four hours a week*. *Four credit hours*.
MR. STEINMETZ

Entomology

21. General Entomology.—Fundamental principles of insect life, principles of control, characteristics of the orders and families, and the relations of insects to plants and animals. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.
MR. DIRKS

22. Forest Entomology.—Principles of insect life with special reference to forest and shade trees. Structure, metamorphosis, classification, and methods of control. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.
MR. DIRKS

***23. Taxonomy of Insects.**—A general course on insects with emphasis upon identification and classification. Prerequisite, Course 21 or 22. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.
MR. DIRKS

26. Entomology.—Designed for students in Wildlife Conservation. Classification, identification, and life histories. Emphasis upon aquatic life. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.
MR. DIRKS

***40. Apiculture.**—A practical course in the care of bees. Offered in 1943-44. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*.
MR. DIRKS

***46. Advanced Forest Entomology.**—An intensive study of insects that are destructive to trees and to forest products. Prerequisite, Course 21 or 22. Given in 1942-43. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*.
MR. DIRKS

***49. Economic Entomology.**—An intensive study of the important insects of the orchard, garden, and farm. Prerequisite, Course 21 or 22. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*.
MR. DIRKS

* Admission by arrangement with instructor.

Problem Courses

47. 48. Problems in Botany or Entomology.—Open to juniors and seniors who have special interest and qualification in botany or entomology. The approval of the head of the department is required. *Credit, arranged.*

MEMBERS OF THE DEPARTMENTAL STAFF

105. 106. Problems in Entomology.—*Credit, arranged.* MR. DIRKS

107. 108. Problems in Botany.—*Credit, arranged.* MR. STEINMETZ

125. Graduate Thesis.—*Credit, arranged.* MR. STEINMETZ

FORESTRY

PROFESSOR DEMERITT; ASSOCIATE PROFESSOR ASHMAN; ASSISTANT PROFESSORS CHAPMAN, CURTIS, BAKER, AND MENDALL; MR. BROWN

1. Elements of Forestry.—Importance and scope of the field of forestry, general methods of cutting and reforestation applicable in different regions in the United States. Designed as a beginning course for foresters and a cultural course for others. Required of freshmen majoring in Forestry, and open to other students. *Two credit hours.* MR. DEMERITT, MR. ASHMAN

2. Elements of Forestry.—A continuation of Course 1, required of freshmen majoring in Forestry, and open to other students. Prerequisite, Course 1. *Two credit hours.* MR. DEMERITT, MR. ASHMAN

3. Logging.—The lumber industry in the United States from the economic standpoint. Logging methods in different forest regions. Forestry sophomores only. *Two credit hours.* MR. CHAPMAN

4. Administration and Protection.—Problems in the administration of national, state, and private forest enterprises. Forest improvements, including trails, telephone lines, and look-out towers. Forest fire control. *Four credit hours.* MR. CURTIS

5. Forest Mensuration.—Theory and application of measurements of logs, trees, and stands of timber. Classroom, *two hours a week.* Field work, *three hours a week.* *Three credit hours.* MR. DEMERITT

6. Forest Mensuration.—A continuation of Course 5. Theory and application of measurements of growth and yield. Classroom, *two hours a week;* field work, *three hours a week.* *Three credit hours.* MR. DEMERITT

7. Lumber Manufacture.—Milling and marketing problems of the lumber industry in America. Forestry seniors only. First half of semester. *Four hours a week. Two credit hours.* MR. BAKER

8. Silviculture.—Methods used to establish forests and to maintain them profitably until maturity, including the harvesting of the final stand. Prerequisite, Course 35s. Classroom, *three hours a week*; laboratory, *three hours a week*. *Four credit hours*.

MR. CURTIS

9. Wood Preservation.—Durability and seasoning of native woods; preservatives in commercial use; and methods of operation and equipment of preserving plants. Special attention given to posts, ties, poles, paving-blocks, and structural timbers. Prerequisites, Botany 33 and 34. First half of semester. *Two hours a week*. *One credit hour*.

MR. BAKER

10. Nursery Practice.—Forest-tree seed and seedlings; seeding and transplanting in the State Forest Nursery; practice in field planting. Nursery management. A minimum of 48 hours of work in the nursery required. Last nine weeks. Laboratory, *six hours a week*. *One credit hour*.

MR. ASHMAN

12. Wood Technology.—Physical, mechanical, and chemical properties of the important commercial species of woods in the United States and their uses in the arts and trades. Prerequisites, Botany 33, 34, 35. *Two credit hours*.

MR. BAKER

13. Forest Protection.—Forest enemies, particularly fire, insects, and fungi. General methods for the control of forest fires and the administration of fire-fighting organizations. *Two credit hours*.

MR. CHAPMAN

14. Forest Products.—Forest products other than logs and lumber, such as pulpwood, veneers, shingles, lath, tight and slack cooperage, hoops and headings, excelsior, vehicle woods, spool stock, turpentine, tannin, gums, syrups, dye-woods, and charcoal. Methods of utilization, markets, and values. *Two credit hours*.

MR. BAKER

16. Wood Identification.—Identification and classification of the commercial woods of the United States based on simple lens inspection and other gross characters. Laboratory, *three hours a week*. *One credit hour*.

MR. BAKER

18. Preparation and Drafting of Maps.—Instruction in the correct drafting, preparation, and coloring of maps. The use of accepted conventional signs and symbols in mapping, and preparation of maps for reports and summaries of field surveys. Prerequisites, Drafting 1 and 2a. Laboratory, *three hours a week*. *One credit hour*.

MR. CHAPMAN

20. Woodlot Forestry.—General principles of forestry, with special reference and application to farm woodlands, particularly in this region. Elementary systems of cutting, estimating, protection, and reforestation. Especially for agricultural students, but open to all students. *Two credit hours*.

MR. CHAPMAN

43. 44. Special Problems.—Original investigation in advanced forestry work, the subject to be chosen after consultation with the departmental staff. Open to high-ranking juniors and seniors. *Credit, arranged.*

MEMBERS OF THE DEPARTMENTAL STAFF

47-48. Orientation.—A series of lectures for freshmen in Forestry designed to acquaint them with the fields open to forestry and wildlife graduates. *One hour a week. No credit.* MR. DEMERITT

51. Regional Silviculture.—Applied systems of silviculture and management considered in relation to commercially important timber species and forest types in the United States. First half-semester. Prerequisite, Course 8. *Four hours a week. Two credit hours.* MR. CURTIS

52. Policy and Economics.—Character, extent, and distribution of forest resources, national, state, private, and foreign. Relation of government, corporations, and individuals to forest resources and applied forest management. Brief discussion of state and Federal forest laws. *Four credit hours.* MR. ASHMAN

53. Forest Finance.—Forest valuation and statics. The appraisal of values of stands of timber. Determination of returns from forests under management. Damage appraisal. First half-semester. Prerequisites, Courses 5, 6, and 8. Classroom, *three hours a week*; laboratory, *two hours a week*. *Two credit hours.* MR. DEMERITT

55. Forest Management.—Theory of the normal forest; forest organization and regulation for a sustained yield. Calculations for and preparation of a forest-management plan. First half-semester. *Four hours a week. Two credit hours.* MR. ASHMAN

56. Forest Management.—Continuation of Course 55. Prerequisite, Course 55. *Two credit hours.* MR. ASHMAN

57. Game Management.—Production of sustained annual crops in wild game. Field studies in game-census work, artificial restocking, and ecological factors controlling game populations. First half-semester. Classroom, *four hours a week*; laboratory, *four hours a week. Three credit hours.* MR. MENDALL

101. 102. Forest Mensuration Problems.—*Credit, arranged.*

MR. DEMERITT

103. 104. Forest Management Problems.—*Credit, arranged.*

MR. DEMERITT, MR. ASHMAN

105. 106. Game Management Problems.—*Credit, arranged.*

MR. MENDALL

125. Graduate Thesis.—*Credit, arranged.*

MR. DEMERITT

Summer Courses

35s. Silvics.—Life factors determining the character and form of forest vegetation. The development of forest types and the silvical characteristics of stands. Prerequisites, Botany 33 and 34. *Sixteen hours a week. Two credit hours.* MEMBERS OF THE DEPARTMENTAL STAFF

37s. Forest Mensuration.—Practical field work in the measurement of logs, individual trees and large stands of timber. Forestry instruments. *Eight hours a week. One credit hour.* MEMBERS OF THE DEPARTMENTAL STAFF

39s. Forest Products.—Study of forest products other than logs and lumber with particular reference to their manufacture. *Eight hours a week. One credit hour.* MEMBERS OF THE DEPARTMENTAL STAFF

45s. General Ecology.—The field study of flora and fauna in relation to environment. Field work, *twenty-four hours a week. Three credit hours.* MEMBERS OF THE DEPARTMENTAL STAFF

Course at Senior Camp

41. Practice of Forestry.—Forestry seniors only. Business principles involved in the management of a forest area including the preparation of a complete working plan. Topographic maps and detailed estimate of stands are included in the plan. Second half-semester. *Forty-eight hours a week. Nine credit hours.* MEMBERS OF THE DEPARTMENTAL STAFF

HOME ECONOMICS

PROFESSORS GREENE AND SWEETMAN; ASSISTANT PROFESSORS MUSGRAVE, CONEY,* MARGARET NESBITT, SNYDER, FELCH, AND DORIS NESBITT;
MRS. WHITE, MISS ELIASSON, MISS GOULD

1. Introduction to Home Economics.—The problems of adjustment to college life and a survey of the professional fields open to Home Economics trained women. *Three credit hours.* MISS GREENE, MISS M. NESBITT

2. Clothing Selection Problems.—Factors involved in selection of clothing in good taste. Economic aspects including budgets and detailed

* On leave 1941-42.

study of fabrics and fibers. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*.

MRS. WHITE

3. Design.—A first course in art expression. The principles of design as they may be applied to house decoration, costume design, advertising and related subjects. Classroom, *one hour a week*; laboratory, *four hours a week*. *Three credit hours*.

MISS MUSGRAVE

4. The House.—Selecting and furnishing the house in accordance with family needs and resources. Problems based on existing house conditions and a study of the effect of changing social, economic, and material factors. Prerequisites, Courses 3 and 14. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*.

MISS ELIASSON

5; 6. Foods.—Selecting and preparing foods for nutritive quality, palatability, digestibility, sanitary quality and economy. Laboratory; buying and preparing foods, planning and serving family meals. Prerequisite, one year of Chemistry, or one semester, with parallel second semester in spring. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MRS. SWEETMAN, MRS. SNYDER

5a; 6a. Foods.—Similar in content to Course 5; 6. Offered to selected freshman students in spring semester and to sophomore students in fall semester. Prerequisite, Chemistry, one semester, and parallel 5a in spring semester. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MRS. SWEETMAN, MRS. SNYDER

7; 8. Clothing Construction Problems.—The techniques of garment construction. The use of the sewing machine, commercial patterns, selection of materials, fitting and finishes are included. Prerequisite, Course 3. Laboratory, *four hours a week*. *Two credit hours*.

MRS. WHITE

8a. Clothing Construction Problems.—Covers in one semester the material in Course 7; 8. For students who have had adequate previous training in this field. Admission by arrangement only. Laboratory, *four hours a week*. *Two credit hours*.

MRS. WHITE

10. Home Care of the Sick.—The principles and practices of care of the sick. Recognizing common symptoms of departure from normal health, giving routine home care in minor illnesses, and carrying out intelligently the directions of a physician. Prerequisite, Bacteriology 3. *One credit hour*.

MISS GREENE

11. Household Management.—Homemaking as a profession. Standards and objectives in the provision of health, contentment, and development of family members. Techniques of management of time and energy to con-

tribute to securing the values of family life. *Two credit hours.*

MISS ELIASSON

12. Senior Survey.—A comprehensive review to improve the student's command of home economics and related subject matter, and her ability to integrate, organize, and present it. Preparation for the examination consists of the making and use of outlines and bibliographies in the major divisions of the field. *One credit hour.* MEMBERS OF THE DEPARTMENTAL STAFF

14 (15). The Pre-School Child.—Factors involved in physical, mental, social, and emotional development of children. Opportunity for observing and guiding activities of pre-school children in a nursery school. Classroom and laboratory, *arranged.* *Three credit hours.* MISS M. NESBITT

17 (18). Applied Design.—Application of design principles to problems in textiles, including block printing, batik, decorative needlework, and hand weaving. Prerequisite, Course 3. Laboratory, *four hours a week.* *Two credit hours.* MISS MUSGRAVE

21 (22). Household Administration.—Students plan and carry out the activities of the home management house, including the care of a young child. Emphasis on managerial ability and the attitudes essential to satisfactory group living. Seniors, or juniors by permission. *Two or three credit hours.* MISS ELIASSON

23 (24). Family Meals.—Selecting and preparing foods with emphasis on nutritional adequacy, moderate cost, and scientific methods of preparation. For Arts and Sciences students above freshman rank only. Classroom, *one hour a week*; laboratory, *four hours a week.* (Given one semester only.) *Three credit hours.* MRS. SNYDER

26. The Child in the Home.—Functions of the home as an environment for human development; factors involved in the growth and development of children. For Arts and Sciences students. Corresponds in part to Course 14. Laboratory includes experience in the nursery school. Classroom and laboratory, *arranged.* *Three credit hours.* MISS M. NESBITT

28. Camp Feeding.—Problems involved in selection, purchase, and preparation of food for camp groups. Open to Forestry juniors by permission of the Head of the Forestry Department, and to others by permission of the instructor in charge of the course. Classroom and laboratory, *three hours a week.* *Two credit hours.* MRS. SNYDER

43 (44). House Furnishing.—House furnishing as an art. Problems in choice and arrangement of furniture and materials to satisfy aesthetic and functional requirements. Given in the fall of 1942 and alternate years.

Prerequisites, Courses 3 and 4, or permission. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MISS MUSGRAVE

45 (46). Advanced Clothing Construction.—Laboratory problems in selecting and constructing tailored coats and suits. A portion of the semester is given to selecting and constructing children's clothing. Laboratory, *four hours a week*. *Two credit hours*. MRS. WHITE

47 (48). Fundamentals of Costume Design.—Elements and principles of costume design. Prerequisite, Course 3. Laboratory, *two hours a week*. *One credit hour*. MISS MUSGRAVE

49 (50). Clothing Patterns.—Use of commercial pattern for making individual foundation pattern. Problems in designing and changing of designs with use of pattern; its aid in fitting problems, and use in construction of garments. Laboratory, *four hours a week*. *Two credit hours*. MISS MUSGRAVE

51. Clothing Economics.—Fashion, retailing and standards as an aid to consumer buying of clothing. *One credit hour*. MISS MUSGRAVE

52. Draping.—By means of draping in fabric, opportunity is afforded for working out problems in color, design, and texture in formal and informal dresses. Given in 1942-43 and alternate years. Prerequisite, Course 51. Laboratory, *four hours a week*. *Two credit hours*. MISS MUSGRAVE

53 (54). Family Economic Problems.—Family cash and real income as related to American standards of living. Household budgets. Consumer buyer problems. Prerequisite, Course 51. *Three credit hours*. MISS GREENE

55 (56). Home Economics Education.—The teaching of home economics in junior and senior high schools. A study of setting up objectives in relation to student and community needs and the selection of effective teaching procedures, as illustrated in texts, courses of study, and current literature. *Three credit hours*. MISS GREENE

57a. Food Preservation.—The principles and recommended practices for household food preservation with emphasis on canning. Prerequisite, Course 6. Parallel, Bacteriology 3 and 5. *One credit hour*. MRS. SWEETMAN

57b. (58b). Demonstrations.—The planning and giving of demonstrations illustrating recommended practices for the home with emphasis on food preparation. Open to seniors and juniors by special permission. *One credit hour*. MISS FELCH

57c (58c). Nursery School Meals.—The planning, preparation and serving of meals for the nursery school. Prerequisite, Course 65. *One to two credit hours.* MISS BRASSON

59, 60 (a-j). Special Problems.—Problems in the various fields of home economics, to enable students to extend their knowledge or to develop techniques according to individual needs. Subjects as follows: a, nutrition; b, foods; c, clothing and textiles; d, design of costume; f, house planning and decoration; g, child development; h, household management; i, home economics education; j, institution management. *One to six credit hours.* MEMBERS OF THE DEPARTMENT STAFF

61. History of Costume.—A survey of the development of men and women from the peoples of antiquity, through various European history to the present time. Lectures, reading, and class illustrations. *One credit hour.* MISS REGRAVE

63 (64). Nutrition.—Principles involved in normal nutrition at all ages. Prerequisite, Biochemistry 5, or Chemistry 51, 52. *Class, two hours a week. Laboratory, for students in nursing only, two hours a week. Two or three credit hours.* MRS. BETMAN

65 (66). Dietetics.—Calculation and preparation of diets for normal individuals at all ages. Prerequisite, a project in foods, permission of instructor. *Laboratory, four hours a week. Two credit hours.* MISS SNYDER

67 (68). Nutrition in Abnormal Conditions.—The principles involved in adjusting diets in such diseases or other abnormal conditions as are benefited by variations from normal diets. Prerequisite, Course 63. *Two credit hours.* MRS. BETMAN

71 (72)a. Supervised Teaching.—Directed teaching in home economics. Students teach classes in the junior high school at Brewer. *Two credit hours.* MISS GOULD

71 (72)b. Supervised Teaching.—Similar to 71, 72a, but in centers other than Brewer. MISS NESBITT

73, 74. Supervised Field Teaching.—Observation, participation, and teaching for two weeks' period each semester in a selected junior or senior high school in the State, under the immediate direction of the teacher. *Two weeks full time. Two credit hours, each semester.* MISS NESBITT

78. Advanced Home Economics Methods.—Detailed development of selected unit of work. Study of the home project, selection and use of illus-

trative material, classroom management, and equipment. *Two credit hours.*

MISS D. NESBITT

81 (82). Institutional Foods.—Problems of group feeding, as menu planning, food buying, application of food preparation principles to quantity cookery; use of heavy duty equipment. A faculty dining room is operated as a laboratory. Prerequisites, Courses 5 and 6. Classroom, *one hour a week*; laboratory, *six hours a week*. *Three credit hours.*

MISS FELCH

84. Institutional Management.—Problems of organization, management, equipment and cost control in residence halls, cafeterias, and hospital dietary departments. Field trips. Prerequisite, Course 81 (82). *Two credit hours.*

MISS FELCH

85 (86). School Lunch.—The special institutional management problems of the school lunch. Laboratory practice in the planning, preparation, and serving of low-cost lunches. Lecture and laboratory, *arranged*. *One credit hour.*

MISS FELCH

87 (88). Institutional Foods Management Laboratory.—Managerial responsibilities in tea room and school-lunch service. Prerequisite, Course 81 (82). Laboratory, *three or six hours*. *One or two credit hours.*

MISS FELCH

91. Costume Design.—Problems in dress design for various persons and occasions. Designing chiefly in pencil and water color. Given in 1943-44 and alternate years. Prerequisite, Course 3. Laboratory, *six hours a week*. *Three credit hours.*

MISS MUSGRAVE

92. Costume Design.—Advanced dress design problems using a variety of mediums including paper, paint, and fabric. Given in 1943-44 and alternate years. Laboratory, *six hours a week*. *Three credit hours.*

MISS MUSGRAVE

101 (102). Advanced Nutrition.—Methods of research in nutrition and recent advances in the field. Prerequisite, Course 63. Offered if sufficient demand. *Two or three credit hours, as arranged.*

MRS. SWEETMAN

103 (104). Food Economics.—The relation of the quality of nutrition to family incomes, household production programs, food prices, and consumer-buying skills. Social and economic factors involved in improving nutritional status. Prerequisites, Courses 63 (64) and 65 (66) or permission of the instructor. *Two credit hours.*

MRS. SWEETMAN

125. Graduate Thesis.—In Home Economics or Home Economics Education. *Credit arranged.*

MISS GREENE, MRS. SWEETMAN, MISS D. NESBITT

HORTICULTURE

PROFESSOR WARING; ASSISTANT PROFESSORS CLAPP AND RILEY

General Courses

2. General Horticulture.—An introductory treatment of practices and related principles basic to the production of fruits, vegetables, and flowers, and to ornamental horticulture. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. WARING

4. Plant Propagation.—Principles and methods of propagating plants. Given in 1941-42 and alternate years. First nine weeks. Classroom, *four hours a week*; laboratory, *four hours a week*. *Three credit hours*.

MR. CLAPP

11. 12. Problems in Horticulture.—Open to upperclass students who manifest special interest and the capacity for individual effort. The consent of the instructor must be obtained before registration. *Credit, arranged*. These courses may be repeated for credit.

MEMBERS OF THE DEPARTMENTAL STAFF

51. 52. Seminar.—Critical reviews of literature on selected or assigned horticultural subjects, preparation of abstracts and papers, classroom presentation and discussion. Staff members and invited guests participate. *One credit hour*.

MR. WARING

54. Plant Propagation.—A continuation of Course 4 into more advanced phases of the subject. Given in alternate years with Course 4. *Two credit hours*.

MR. CLAPP

101. 102. Horticultural Investigations.—*Credit, arranged*.

MEMBERS OF THE DEPARTMENTAL STAFF

125. Graduate Thesis.—*Credit, arranged*.

MR. WARING

Pomology

1. Fruit Handling.—The harvesting, grading, packing, inspection, storage, transportation, selling, and processing of apples, with minor attention to other tree fruits. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*.

MR. WARING

9. Fruit Judging.—The selection of apples for exhibition, the identification of varieties, the recognition of blemishes according to causal agents,

and judging. Open to any interested student. Laboratory, *four hours a week*, first nine weeks. *One credit hour*. MR. WARING

53. Systematic Pomology.—A survey of the species and important cultivated varieties of fruits and nuts, emphasizing botanical status as well as pomological classification, distribution, and use. Given in 1942-43 and alternate years. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. WARING

55. Advanced Pomology.—An advanced treatment of principles and methods involved in the planting and management of orchards. Given in alternate years with Course 53. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. WARING

Vegetable Gardening

10. Small Fruits.—Varieties, cultural methods, and handling of such fruits as strawberries, grapes, raspberries, blackberries, and blueberries. *Three credit hours*. MR. RILEY

20. Vegetable Gardening.—The best commercial practices; and the results of recent experimentation as applied to vegetable gardening. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. RILEY

21. Vegetable Crops.—Harvesting, marketing, storage, and systematic study of types and varieties of vegetables; also care of vegetables for seed production. Prerequisite, Course 20. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. RILEY

25. Vegetable Forcing.—Culture of vegetables under glass, types of greenhouses, special soil management problems involved, marketing. Prerequisite, Course 20. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. RILEY

Floriculture and Ornamental Horticulture

3. Trees and Shrubs.—Woody plant materials, emphasizing identification, nomenclature, their special characteristics, and management. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CLAPP

5. Recreational Landscaping.—Materials and principles of landscape design with particular reference to recreational projects and roadside

improvement. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CLAPP

6. Landscape Gardening.—Principles of landscape design with particular reference to the home grounds. Observational trips to Bangor, Old Town, and Mt. Desert Island. Prerequisite, training in mechanical drawing. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CLAPP

7. Commercial Floriculture.—Principles underlying the production of flowers under glass; special consideration of methods for important cut-flower crops. One or more half-day trips in the Bangor area may be arranged. Prerequisite, Course 8. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. CLAPP

8. Home Floriculture.—The culture and care of garden flowers and house plants and the use of flowers in the home. Open to any student. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. CLAPP

15. Landscape Gardening.—A continuation of Course 6 treating irregular-surfaced areas, the farmstead, large tracts, recreational areas, and the profession of landscape architecture. A one-day trip to Mt. Desert Island is included. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. CLAPP

POULTRY HUSBANDRY

PROFESSOR SMYTH; ASSISTANT PROFESSOR GARDNER

1. General Poultry Husbandry.—Covers all phases of poultry production. Laboratory work includes production, judging, preparation of poultry products for market, and other management practices. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. SMYTH

2. Incubation and Brooding.—Principles of incubation and brooding. Laboratory practice in incubator and brooder management. Prerequisite, Course 1. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. SMYTH

3. Exhibition and Production Poultry Judging.—Selection and mating of fancy and utility poultry. Laboratory practice in judging fancy and utility poultry, and a study of the standard requirements of the breeds.

Prerequisite, Course 1. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*. MR. GARDNER

22. Poultry Breeding.—Principles of breeding as applied to poultry inheritance of egg productivity; systems of breeding; and study of pedigrees and breeding results. Attention is given to a study of methods used by successful poultry breeders. Prerequisites, Course 1 and Botany 45. *Two credit hours*. MR. SMYTH

25. Poultry Feeding.—General principles of nutrition as applied to poultry; poultry feeds; calculating rations; estimating cost of feeds and feeding; and methods of feeding for economical production. Prerequisite, Course 1. *Two credit hours*. MR. GARDNER

26. Poultry Farm Management.—The business of poultry farming; systems and operations in use on large poultry farms; planning of specialized poultry farms. Insofar as practicable, visits will be made to poultry farms. Prerequisites, Courses 1, 2, 3, and 5. Classroom, *one hour a week*; laboratory, *two hours a week*. *Three credit hours*. MR. GARDNER

***40. Poultry Diseases.**—Principles of hygiene and sanitation applied to the prevention and control of the diseases of poultry, including a detailed consideration of the pathological processes involved in the common diseases. *Three credit hours*. MR. WITTER

51. 52. Problems in Poultry Husbandry.—*Credit, arranged*.

MR. SMYTH

53. 54. Seminar.—Poultry organizations and literature giving results of recent research work in the field of poultry husbandry. Prerequisites, Courses 1, 3, and 22. *One credit hour*. MR. SMYTH

ALL DEPARTMENTS

Summer Projects.—A student in the College of Agriculture desiring to carry out a field project during the summer recess under faculty direction may obtain credit for such work, providing arrangement is properly made with the major department concerned and the project is successfully carried through to completion. Project work may be conducted during any summer recess between the freshman and senior years. Freshman-Sophomore Project is designated Pj 1, and Sophomore-Junior Project is designated Pj 2, each

* The description of this course also appears under the Department of Animal Industry.

limited to one hour credit. Junior-Senior Project is designated Pj 4 and may be one, two, or three hours credit. Complete details concerning project work may be obtained from heads of departments in which major curricula are offered.

TWO-YEAR COURSE IN AGRICULTURE

DIRECTOR LORING

First Year—Fall Semester

Animal Husbandry.—General Animal Husbandry.—Market types, classes, and breeds of livestock, their care and management, and their economic importance in this region. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. HALL

Business Arithmetic.—Arithmetic based on the problems confronting the farmer in his business. *Two credit hours*. MR. LORING

Farm Botany.—Plant structure and tissues in their relation to plant growth and development and to agricultural practices. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*. MR. OGDEN

Farm Chemistry.—A review of general chemistry; chemistry of plant and animal life as related to agriculture; fungicides and insecticides; gasoline and oil. *Two credit hours*. MR. SMITH

Farm Crops.—Practices in growing crops under field conditions. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. RALEIGH

Forge Work.—Forging; welding; tool-shed work. Laboratory, *three hours a week*. *One credit hour*. MR. VANNAH

Fruit Handling.—Picking, packing, grading, storing, shipping, and marketing of fruit, particularly the apple. A survey of the principal apple producing regions and of the general status of the industry. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. RILEY

Potato Production.—The principles and practices involved in the production of potatoes under Maine conditions. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. LIBBY

Poultry Husbandry.—Production of poultry; preparation, judging, and marketing of poultry and poultry products. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*. MR. GARDNER

First Year—Spring Semester

Carpentry.—Graded exercises in woodworking designed to familiarize the student with tools used in modern woodworking practice and to give him experience in working from dimensioned drawings. Laboratory, *four hours a week. Two credit hours.* MR. SWIFT

Dairy Husbandry—General Dairying.—Milk secretion and composition; testing of milk and milk products; sanitary production and handling of milk from farm to consumer; cream separation; and buttermaking. Classroom, *two hours a week; laboratory, four hours a week. Four credit hours.* MR. ROGERS

English.—A review of grammar and the principles of effective writing, with attention also to spelling and punctuation. Weekly papers, chiefly expository, are required. *Two credit hours.* ENGLISH DEPARTMENT

Farm Economics.—An elementary course in the principles of economics and their application to agriculture. *Two credit hours.* MR. NIEDERFRANK

Fruit Growing.—Principles and practices which should be followed in choosing an orchard site, and in the subsequent planting and culture, pest control, and other care leading to the production of profitable crops. Classroom, *two hours a week; laboratory, two hours a week. Three credit hours.* MR. RILEY

Poultry Husbandry.—A continuation of the course given in the fall semester. Classroom, *two hours a week; laboratory, two hours a week. Three credit hours.* MR. GARDNER

Soils and Fertilizers.—Properties, management, and fertilization of soils in relation to fitting them for production of crops. Classroom, *three hours a week; laboratory, three hours a week. Four credit hours.* MR. LIBBY

Second Year—Fall Semester

Animal Husbandry.—Dairy Production.—The breeding, care, and management of dairy cattle and young stock. The laboratory will be devoted to the selection and judging of dairy cattle. Classroom, *two hours a week; laboratory, two hours a week. Three credit hours.* MR. HALL

Diseases of Farm Animals.—A general course including anatomy, physiology, hygiene, and sanitation. Methods for the prevention and control of the common diseases of domestic animals are given special attention. *Three credit hours.* MR. WITTER

English.—Instruction in practical uses of English, including business correspondence, with as much review of grammar as seems necessary. *Two credit hours.* ENGLISH DEPARTMENT

Farm Engineering and Mechanics.—Running farm lines, laying out drainage systems, and planning farm buildings and conveniences. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours.* MR. SWIFT

Farm Insects.—A practical study of insects in their economic relationships to farm plants and farm animals. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours.* MR. DIRKS

Farm Management.—Factors that affect the profitable operation of the farm as a business unit, including size of business, labor efficiency, crop rotation, farm layout, and production costs. Individual farming systems are studied. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours.* MR. MARCY

Forestry.—The first half-semester is devoted to lectures and field work in methods of establishment and culture of woodlots, especially in Maine. The second half-semester deals with methods of estimating volumes and computing periodic growth of forest crops from field measurements. Laboratory, *four hours a week*. *Two credit hours.* MR. CURTIS, MR. CHAPMAN

Vegetable Growing.—Production of vegetables for home use. Important commercial vegetables of New England. Handling of forcers, growing of seedlings, marketing, and other topics are included. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours.* MR. RILEY

Second Year—Spring Semester

Animal Husbandry—Feeding Livestock.—General principles underlying feeding of livestock; composition and characteristics of feed stuffs; calculating rations; and the best practices in feeding farm animals. Classroom, *three hours a week*; laboratory, *two hours a week*. *Four credit hours.* MR. HALL

English.—A continuation, including reports, abstracts, and oral composition based on agricultural material. *Two credit hours.*

ENGLISH DEPARTMENT

Farm Crops.—Grass and forage plants, their culture and uses. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours.* MR. RALEIGH

Farm Machinery.—The construction, operation, and care of farm machinery. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.
MR. SWIFT

Marketing Farm Products.—The marketing of Maine farm products, especially potatoes, apples, and dairy and poultry products. Cooperative marketing is given consideration. *Three credit hours*.
MR. MARCY

Poultry Management.—A general consideration of poultry management with especial reference to sanitation and disease. *Two credit hours*.
MR. GARDNER

Small Fruit Culture and Plant Propagation.—Strawberries, raspberries, blackberries, blueberries, cranberries, grapes, and some other fruits of minor importance in the State. Production and disposal of the crops. General propagation of plants. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours*.
MR. RILEY

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences owes its development and present strength to the demands of students for the opportunity to acquire knowledge and skills in a variety of fields wherein a cultural emphasis is prominent.

For purposes of administration, the College is divided into thirteen departments. All students are required to take work in several of these departments but in general the degree of specialization can vary widely to fit the needs of individual students. Thus some may desire to pursue studies in only a few of the major departments while others may prefer to take work of greater subject matter range. The College has prepared, for those who desire them, specific programs of study in many preprofessional and vocational fields (see page 155). Considerable flexibility is permitted the student within all these programs.

The College has as a major objective the desire to furnish its students with a general cultural background. Within the framework of this background the student will find much that is of utilitarian value. For this reason, graduates of arts colleges are found in almost every vocation except possibly those which demand purely technical training. The College seeks to train men and women of critical intelligence, broad and sympathetic understanding of human needs, and determination of purpose.

Arts and Sciences students who are interested in taking subjects offered in one of the other colleges of the University may do so provided they have fulfilled the necessary prerequisites. In collaboration with the School of Education, this College offers specific training to prospective teachers. Furthermore, the students of all the colleges intermingle freely so that a breadth of viewpoint may be achieved.

GENERAL INFORMATION

Admission. The specific requirements for admission are given in full elsewhere in the catalog (see page 64). All deficiencies in entrance requirements must be made up before registering for the junior year. Students who transfer from other colleges with advanced standing must satisfy all admission requirements within a year. Graduates of Maine normal schools who are also graduates of an approved high school will receive sophomore standing.

Transfer Credit. No transfer credit will be allowed for courses taken

at another institution in which grades below C have been received. Evaluation of courses taken at another institution for which transfer credit is asked rests with the Director of Admissions and the Dean.

Graduation Requirements. The work of the College of Arts and Sciences leads to the degree of Bachelor of Arts (B.A.). Men students not excused from taking Military Science are required to complete 127 credit hours. For men required to take less than two years of Military Science, the total of credit hours is reduced proportionately. All other students are required to complete 120 credit hours. Ninety-five of the hours taken must be of C grade or better. Eighteen to twenty-four hours must be completed in the major field during the last two years. Every candidate for the degree is required to complete a basic course in English, in social science, and in mathematics and natural science. He is also required to elect a foreign language until he has passed a reading test designed to demonstrate that he has mastered one foreign language well enough to be able to read and understand it with some ease. Two years of work in Physical Education are required of all students. Seven hours of Military Science are required of men students. Elementary Hygiene is required of all women in the freshman year.

A satisfactory grade on the comprehensive examination is a requirement for the degree in certain departments.

Satisfactory work in written English is required throughout the College course.

Students who transfer to this college from another college of the University will be required to do two full years' work in the College of Arts and Sciences and satisfy all specific requirements before receiving the bachelor of arts degree, with the exception that students from the College of Technology may transfer after the junior year and be graduated after one year's work as majors in the Departments of Physics, Chemistry, or Mathematics; and students from the College of Agriculture may similarly transfer and be graduated as majors in the Department of Zoology.

The First Two Years. The first two years of the student's college course constitute a unified period during which he studies, for the most part, basic courses in varied fields. The objective of these years is twofold: first, to enable the student to acquire knowledge over an extended area, and second, to prepare him to undertake studies of a distinctly advanced nature in some major subject or field.

In order to meet these objectives and also to fulfill certain of the graduation requirements as noted in the previous section, freshmen are advised to elect a basic course from each of the following groups:

I. ENGLISH. English 1, 2 or 11, 12 is required unless the student is admitted by the department to a more advanced course.

II. FOREIGN LANGUAGE: Greek, Latin, French, Spanish, German. Students who pass a reading test in an approved foreign language may be excused from this requirement.

III. SOCIAL STUDIES: American History, European History, Modern Society. Students may satisfy the social studies requirement for the degree in the sophomore year by taking a basic course in Economics, Government, or Sociology.

IV. NATURAL SCIENCE AND MATHEMATICS: Chemistry 1;2; Geology 13, and 14 or 18; Mathematics 1,3,6; 11, 12; or 23,24; Mathematics 1 and Astronomy 15,16; Mathematics 1,3 and Astronomy 10; Physics 1,2; Physics 3 and Astronomy 10; Zoology 3,4; Zoology 1 and Botany 2.

Physical Education and Hygiene are required of all women. For those students taking Military Science or Hygiene the maximum registration is sixteen credit hours *exclusive* of these two subjects; for others the maximum registration is sixteen hours.

During the sophomore year the student is advised to continue his general interest in exploration by adding at least two new major fields of learning to those taken during the freshman year. This will insure for him some likelihood of a wise decision regarding his field of concentration because he will have had some experience in at least six different fields. It is frequently advisable to take more than one course in a prospective major subject, in order to test actual interest and to satisfy preliminary requirements for advanced work, but normally not more than six hours may be taken in one subject in either semester of the sophomore year.

During the first two years a student must show evidence of ability to pursue advanced courses successfully. Work of C grade or above will be interpreted as satisfactory. *Students with records consistently below this standard will be advised to withdraw from the University at the end of their sophomore year.*

Throughout the freshman and sophomore years, the student is under the general supervision of the Dean of the College. The Dean is assisted by faculty advisers whose purpose is to give each student individual guidance in selection of courses and advice concerning problems of personal adjustment.

The Last Two Years. In the latter part of the spring semester of the sophomore year, the student, in conference with the Dean, selects his major subject or field of chief academic interest and outlines with his major instructor a tentative curriculum for his two remaining years. This special field is chosen without reference to departmental boundaries, though it may

coincide with some department or special curriculum in the College. The department in which the major subject chiefly falls becomes for administrative purposes the student's major department, and the head of that department is his major instructor. The latter is responsible for the student before the faculty and must approve the student's registration.

At the same time the student selects his major adviser. This is regularly either the major instructor or another member of the department whom he and the student agree upon, subject to the approval of the Dean. Besides assisting the student in outlining his curriculum, the major adviser also directs his pursuit of it, recommends or approves all changes made in it, and acts as the student's registering officer.

The major curriculum is the nucleus of related courses selected by the student as representing his chief field of interest or major subject. It is restricted to a maximum of twenty-four and a minimum of eighteen hours in the junior and senior years, but it is expected that the remaining courses will be chosen with reference to their affinity with it, except as certain otherwise unrelated courses are recognized as desirable for all students on account of their cultural or practical value. No elementary or introductory courses may be included in the major curriculum, though such exploratory courses in other fields may be taken, with the major adviser's approval. In general, it is assumed that upperclass students will be engaging themselves with courses of an advanced nature.

Seniors are required to continue work in their major subject through their senior year.

Selected students may take advanced courses in Infantry during their junior and senior years. Six credit hours for the degree of Bachelor of Arts are granted for two years of advanced Military.

Comprehensive Examinations. Most departments in the College require comprehensive examinations of their senior major students. Certain departments also give basic or preparatory comprehensives, in the spring semester of the junior year. The purpose of the comprehensive examination is to provide the student with an opportunity to demonstrate his knowledge of the salient features of his general field of study. It aims to make clear the unity of the field as a whole. It is, therefore, designed in such a way as to develop perspective and to encourage organization of materials as well as accuracy and range of knowledge. The student is thus able to evaluate his ability in the field of his major interest and to make a smooth transition to his professional and graduate work.

Honors Program. A program of Honors Work for the benefit of the superior student has been adopted by the College of Arts and Sciences. The purpose is to encourage exceptional ability by affording opportunities for the

exercise of that ability and by rewarding high achievement with appropriate distinction. The opportunities are intended especially to stimulate originality, intellectual curiosity, and resourcefulness, and they require a large measure of self-reliance. The Honors courses do not involve the attending of classes but are conducted by the tutorial method. The student does his work under the supervision of a tutor, whom he meets in conference at regular intervals for advice and informal discussion. The rewarding distinction, which is the highest offered in the College of Arts and Sciences, is conferred upon the successful completion of all or a sufficient part of the Honors program, in the form of graduation Honors, which are of three grades: Honors, High Honors, Highest Honors.

Professional Certificates for Teachers. The Professional Secondary Certificate is granted for a period of two years to graduates of the College who have completed not less than eighteen credit hours in education, not more than six credit hours of which may be in the field of psychology. The courses taken to satisfy this requirement should be completed with a grade of C or better.

In addition to completing a major subject, candidates for the Certificate are expected to complete at least one minor teaching subject. The amount of work necessary to complete a minor is determined by the department concerned.

Among the combinations of major and minor subjects often expected of prospective teachers are: mathematics and science, French and Latin, English and history, English and French, history and Latin, English and Latin, and French and history.

Bangor Theological Seminary. Students in the College of Arts and Sciences have the privilege of registering for courses in Bangor Theological Seminary not to exceed five credit hours per semester, without payment of tuition charges, and a like privilege is extended by the College to students in the Seminary. The courses for which students may register must be approved by the Dean of the College, the President of the Seminary, and the instructor in the subjects concerned in both institutions.

Seminary students who are admitted to advanced standing at the University will not be allowed duplicate credit for work already done at the University.

Summer Session. Before students of the College of Arts and Sciences pursue Summer Session courses in any institution other than the University, they must gain the approval of the Dean in writing, if they expect degree credit for such work. A marked bulletin of the institution should be left at the Dean's office with a note requesting such credit for the selected courses.

Marine Laboratory at Lamoine. The University, through the Zoology

Department, offers a summer course in marine invertebrate zoology at the Lamoine laboratory on Frenchman's Bay. Course work is offered for both undergraduate and graduate credit. The nature of the work makes it possible for the student to receive the type of instruction which will best serve his or her special interest.

Specimen Curricula. Preprofessional, vocational and departmental curricula are available and may be obtained from the Director of Admissions on request. These curricula will provide the student with a general idea of the character of preparation recommended. All possible latitude is allowed in order to permit development of the student's own interests and aptitudes. A few representative curricula follow:

Specimen Major Curriculum for Premedical Studies

Freshman Year

FALL SEMESTER				SPRING SEMESTER			
			Hours				Hours
Eh	1	English	3	Eh	2	English	3
*Gm	1	German	4	Gm	2	German	4
Mt	1	Military Training	1½	Mt	2	Military Training	1½
My	1	Modern Society (or approved elective)	3	My	2	Modern Society (or approved elective)	3
Pe	1	Physical Education	—	Pe	2	Physical Education	—
†Zo	3	Animal Biology	4	†Zo	4	Animal Biology	4

* Two years of a modern foreign language, preferably German, are usually required for medical school admission, and should lead to a reading knowledge of the subject.

† Candidates who plan to enter medical school in three years and those who have a special interest in chemistry should take General Chemistry during the first year, with or without General Zoology. To fulfill the requirements of the American Medical Association, Organic Chemistry and Physics must be taken the second year. These courses together with Comparative Anatomy or General Zoology, if the latter was not taken the first year, make a very heavy program. A four-year program leading to a B.A. degree is desirable and in most cases necessary. Candidates for admission to medical school should be familiar with the specific requirements of several medical schools before planning their first-year program.

Sophomore Year

FALL SEMESTER			SPRING SEMESTER		
		Hours			Hours
Ch 1a	General Chemistry	4	Ch 2a	General Chemistry	4
Gm 3	German	3	Gm 4	German (§Gm 16, Scien- tific German)	3-2
My 3	Modern Society (or approved elective)	3	My 4	Modern Society (or approved elective)	3
Mt 3	Military Training	2	Mt 4	Military Training	2
Pe 3	Physical Education	—	Pe 4	Physical Education	—
Zo 15	Comparative Anatomy	4	Zo 16	Comparative Anatomy	4

† With the permission of the German Department.

Junior Year

Ch	51	Organic Chemistry	5	Ch	52	Organic Chemistry	5
Cp	39	The Literature of Social Change (or Eh 45 Con- temporary Literature)	3	Cp	40	The Literature of Social Change (or Eh 46 Con- temporary Literature)	3
Ps	1a	General Physics	4	Ps	2a	General Physics	4
Py	1	General Psychology	3	Py	2	General Psychology	3

Senior Year

Bt	45	Genetics (or Social Science)	3	Ch	40	Quantitative Analysis	4
Ch	31	Qualitative Analysis	3			Elective (preferably Social Science)	3-5
Zo	37	Physiology	4	Zo	18	Vertebrate Embryology	4
Zo	41	Histology	3	Zo	38	Physiology	4
		Elective	3				

Specimen Curriculum for Business Administration**Freshman Year**

Eh	1	Freshman Composition	3	Eh	2	Freshman Composition	3
Hy	5	European History	3	Hy	6	European History	3
Mt	1	Military Training	1½	Mt	2	Military Training	1½
My	1	Modern Society	3	My	2	Modern Society	3
Pt	1	Physical Education	—	Pt	2	Physical Education	—
		†Foreign Language	3-4			†Foreign Language	3-4
		*Elective: Mathematics				*Elective: Mathematics	
		Natural Science	3-4			Natural Science	3-4

† To be continued until the student has passed his reading test.

* A basic course in Mathematics would be helpful to majors in Business Administration.

Sophomore Year**FALL SEMESTER****Hours**

Ba	9	Accounting	3
Ms	17	Mathematical Theory of Investment	2
Mt	3	Military Training	2
My	3	Modern Society	3
Pl	1	Philosophy and Modern Life	2
Pt	3	Physical Education	—
Py	1	General Psychology	3

SPRING SEMESTER**Hours**

Ba	10	Accounting	3
Hy	22	Current World Problems	2
Ms	18	Mathematical Theory of Investment	2
Mt	4	Military Training	2
My	4	Modern Society	3
Pt	4	Physical Education	—
Py	2	General Psychology	3

Junior Year

Ba	51	Corporation Finance, or Ba 65, Second-Year Accounting	3
Es	33	Labor Problems	3
Es	53	Money and Banking	3
Hy	59	Economic History of the United States, or Hy 69, Social and Intellectual History of the United States	3
Ms	19	Statistics	3

Ba	54	Investments, or Es 64, International Trade	3
Es	80	American Labor Movement, or Es 74, Labor and Government, or Es 78, Eco- nomics of War and Defense	3
Hy	60	Economic History of the United States, or Hy 70, Social and Intellectual History of the United States	3
Ms	20	Statistics	3
Py	12	Advertising, or Ba 66, Second-Year Accounting	3

Senior Year

Ba	55	Business Law	3
Ba	59	Business Management and Policy	3
Ba	95	Seminar	2
Cp	39	Literature of Social Change	3
Eh	25	The Newspaper in the Twentieth Century	3
Es	71	Public Finance, or Gt 51, Public Administration	3

Ba	56	Business Law	3
Ba	60	Personnel Management	3
Ba	96	Seminar	2
Cp	40	Literature of Social Change	3
Es	76	Public Utilities, or Es 62, Business Cycles	3
Gt	52	Public Administration	3

Specimen Major Curriculum for Pre-Legal Studies

Freshman Year

FALL SEMESTER				SPRING SEMESTER			
			Hours				Hours
Eh	1	Freshman Composition	3	Eh	2	Freshman Composition	3
Hy	3	United States History	3	Hy	4	United States History	3
Mt	1	Military Training	1½	Mt	2	Military Training	1½
My	1	Modern Society	3	My	2	Modern Society	3
Pt	1	Physical Education	—	Pt	2	Physical Education	—
		*Foreign Language	3			*Foreign Language	3
		Natural Science	3			Natural Science	3

* To be continued until the student has passed his reading test.

Sophomore Year

Eh	7	Second-Year Composition	3	Eh	8	Second-Year Composition	3
Hy	17	English History	2	Hy	18	English History	2
Mt	3	Military Training	2	Mt	4	Military Training	2
My	3	Modern Society	3	My	4	Modern Society	3
Pt	3	Physical Education	—	Pt	4	Physical Education	—
Py	1	General Psychology	3	Py	2	General Psychology	3
Sy	1	Principles of Sociology	3	Sy	2	Principles of Sociology	3
		Elective	1			Elective	1

Junior Year

Ba	9	Accounting	3	Ba	10	Accounting	3
Eh	3	History of English Lit.	3	Eh	4	History of English Lit.	3
Es	33	Labor Problems or (Sy 61)	3	Es	74	Labor and Govt.	3
Gt	33	Municipal Government	3			(or Es 80 or Sy 62)	3
		or		Gt	34	Municipal Government	3
Gt	51	Public Administration	3			or	
Ms	19	Statistics	3	Gt	52	Public Administration	3
Sh	1	Public Speaking	2	Ms	20	Statistics	3
				Sh	4	Debate	2

Senior Year

Ba	51	Corporation Finance	3	Ba	56	Business Law (or Ba 60)	3
		(or Ba 59)	3	Cp	40	Lit. of Social Change	3
Ba	55	Business Law (or Es 71)	3	Gt	74	International Relations	3
Cp	39	Literature of Social	3	Gt	82	Introduction to Law	3
		Change	3			or	
Gt	73	International Relations	3	Gt	84	American Constitution	3
Gt	81	Introduction to Law	3	Gt	100	Political Theory	3
		or		Sh	12	Parliamentary Law	1
Gt	83	American Constitution	3				

Specimen Major Curriculum for Pre-Professional Preparation for Social Service Work

Freshman Year

FALL SEMESTER				SPRING SEMESTER			
			Hours				Hours
Eh	1	Freshman Composition	3	Eh	2	Freshman Composition	3
Mt	1	Military Training	1½	Mt	2	Military Training	1½
My	1	Modern Society	3	My	2	Modern Society	3
Pe	1	Physical Education	—	Pe	2	Physical Education	—
Pe	21	Hygiene (women).....	2	Sh	2	Public Speaking.....	2
Sh	1	Public Speaking	2	Zo	4	Animal Biology	4
Zo	3	Animal Biology	4			*Foreign Language	3-4
		*Foreign Language	3-4				

Sophomore Year

Cp	39	Lit. of Social Change.....	3	Cp	40	Lit. of Social Change.....	3
Gt	31	American Government.....	3	Gt	8	Maine Government.....	1
Mt	3	Military Training.....	2	Mt	4	Military Training.....	2
Pe	3	Physical Education.....	—	Pe	4	Physical Education.....	—
Py	1	General Psychology.....	3	Py	2	General Psychology.....	3
Sy	1	Principles of Sociology.....	3	Sy	2	Principles of Sociology.....	3
		Electives from fields of		†Sy	20	Field of Social Work.....	3
		Art, Music, Philosophy,		Sy	24	Rural Sociology.....	3
		Drama or History.....	3				

Junior Year

Eh	71	American Literature.....	3	Eh	72	American Literature.....	3
Es	33	Labor Problems.....	3	†Sy	52	Child Welfare.....	3
Sy	61	Social Pathology.....	3	Sy	62	Criminology.....	3
†Sy	65	Urban Sociology.....	3	†Sy	84	Race Relations.....	3
		Electives in Economics,				Electives in Economics,	
		Government, Psychology.....	3			Government, Psychology.....	3

Senior Year

Gt	51	Public Administration.....	3	Ba	60	Personnel Management.....	3
Py	71	Abnormal Psychology.....	3	Py	72	Mental Hygiene.....	3
Sy	57	Group Work Leadership.....	3	Sy	42	Marriage and the Family.....	3
†Sy	83	Population.....	3	Sy	96	Sociology Seminar.....	2
Sy	95	Sociology Seminar.....	2			Electives: Current World	
		Electives: Gt 7, Maine				Problems, Py 76, Social	
		Government, Py 67, Psy-				Psychology	
		chology of Childhood					

* To be continued until the student has passed his reading test.

† Given in alternate years.

Note: This specimen curriculum is suggestive only, not rigid. Considerable flexibility in the last two years is allowed in order to meet student interest and vocational aims.

Specimen Curriculum

Major in French or in Romance Languages
With Main Interest in French

Freshman Year

FALL SEMESTER				SPRING SEMESTER			
			Hours				Hours
Eh	1	Freshman Composition		Eh	2	Freshman Composition	
		(or Eh 11)	3			(or Eh 12)	3
*Fr	5	Advanced French	3	Fr	6	Advanced French	3
Fr	7	Elem. Conv. and Comp.	2	Fr	8	Elem. Conv. and Comp.	2
		or				or	
Lt	5	Cicero and Horace	3	Lt	6	Livy	3
Hy	5	Survey of Western Europe	3	Hy	6	Survey of Western Europe	3
		Natural Science or				Natural Science or	
		Mathematics	3-4			Mathematics	3-4
Mt	1	Military Training	or 1½	Mt	2	Military Training	1½
Pe	21	Hygiene	2	Pe	2	Physical Education	—
Pe	1	Physical Education	—				

Sophomore Year

Eh	3	History of English Lit.	3	Eh	4	History of English Lit.	3
Fr	21	Nineteenth Century Novel	3	Fr	22	Nineteenth Century Novel	3
Fr	9	Adv. Conver. and Comp.	2	Fr	10	Adv. Conver. and Comp.	2
Fr	9a	French Civilization	1	Fr	10a	French Civilization	1
Lt	9	Terence and Plautus	3	Lt	10	Tacitus	3
		and				and	
Lt	7	Latin Composition	1	Lt	8	Latin Composition	1
		or				or	
Sp	1	Elementary Spanish	4	Sp	2	Elementary Spanish	4
		or Elective	3-4			or Elective	3-4
Py	1	General Psychology	3	Py	2	General Psychology	3
Mt	3	Military Training	2	Mt	4	Military Training	2
Pe	3	Physical Education	—	Pe	4	Physical Education	—

Junior Year**FALL SEMESTER**

		Hours
Ed 51 or 53	History of Education	3
or		
Ed 57	Principles of Sec. Educ.	3
	or Elective	3
†Fr 55	Nineteenth Century Drama	3
Fr 57	French for Prospective Teachers	3
	or Elective	3
Sp 3	Modern Spanish Prose	3
or		
It 1	Elementary Italian	3
	or Social Science	3
Eh 7 or 43	English	3
	or Elective	3-5

SPRING SEMESTER

		Hours
Ed 78	Methods of Teaching	3
	or Elective	3
Fr 56	Nineteenth Century Drama	3
Fr 58	French for Prospective Teachers	3
	or Elective	3
Sp 4	Modern Spanish Prose	3
or		
It 2	Elementary Italian	3
	or Social Science	3
Eh 58 or 42	English	3
	or Elective	3-5

Senior Year

Ed 29	Supervised Teaching	3	Ed 66	Education Measurements	3
Fr 63	French Classical Lit.	3	Fr 64	French Classical Lit.	3
Fr 67	Survey of French Lit.	2	Fr 68	Survey of French Lit.	2
	or Elective	2		or Elective	2
Sp 5	Elem. Conver. and Comp.	2	Sp 6	Elem. Conv. and Comp.	2
or			or		
Sp 7	Rapid Reading Course	2	Sp 10	Rapid Reading Course	2
or			or		
It 3	Modern Italian Prose	3	It 4	Modern Italian Prose	3
	or Elective	3		or Elective	3
Cp 75	Comparative European Lit.	3	Cp 76	Comparative European Lit.	3
	or English	3		or English	3
	or Elective	3		or Elective	3
	Elective	3		Elective	3

* In case the student's previous preparation is inadequate, Fr 3, Intermediate French, 4 hours, will be substituted. If the student can pass the reading test in September, he may register for Fr 21, ordinarily taken in the sophomore year, or for Fr 29, Contemporary Literature.

† As Fr 55, 56 alternates with Fr 63, 64 and Fr 57, 58 alternates with Fr 67, 68 the courses in French listed in the junior year will be taken by some students in the senior year and vice versa.

COURSES OF INSTRUCTION

Courses designated by an odd number are given in the fall semester; those designated by an even number, in the spring semester.

Courses numbered 1-50 are for undergraduates only; courses numbered 51-100 are primarily for upperclassmen and graduates; courses numbered above 100 are primarily for graduates.

When a course is offered in the first semester and also repeated in the second, it is designated by two numbers, the second of which is in parenthesis [e.g., 1 (2)].

When a dash is used between the two numbers (e.g., 1-2), both semesters must be taken to obtain credit; when a semicolon is used (e.g., 1;2), the first semester may be taken by itself, but the second cannot be taken unless the first semester is taken previously; when a period is used (e.g., 1.2), either semester may be taken for credit.

ART HISTORY

PROFESSOR HUDDILSTON

1. 2. *Masterpieces of Art.*—A general survey course covering distinctive values of art in the great periods, with special regard to architecture as a key to the spirit of the ages. Textbook and lectures. Open to all students. *Three credit hours.*

3. *Cultural America.*—Lectures on the relation of the fine arts to our national spirit; some attention is paid also to philosophy and poetry. Designed to throw light on the history of the United States and to stimulate a broader interest in art. *Two credit hours.*

4. *Renaissance Art.*—A study mainly of Italian painting. The work is pursued not only for art history but also for the broader values of the birth of the modern world. Lectures and study of photographs. Given in 1942-43 and alternate years. Open to all students. *Two credit hours.*

5. *Greek Art.*—An intimate examination of the principles of Greek architecture and sculpture with a view to understanding the technique and achievements of the Greeks. Lectures and study in the collection of photographs. Given in 1941-42 and alternate years. Open to all students. *Two credit hours.*

8. Chinese Culture.—A general survey of ancient China's intellectual and aesthetic ideals as reflected in her philosophy, painting, and pottery. Not open to freshmen. Given in 1941-42 and alternate years. *Three credit hours.*

9 (10). A Preface to Art History.—Lectures on the periods of Western art following the arrangement of the art gallery. Intended for beginners who desire a brief introduction to the story of art through the ages. Reading will supplement the lectures. *One credit hour.*

11. American Painting.—After a short survey of the progress of painting from the 18th century, with an appraisal of the English, German, and French influences on our painting, the lectures deal with trends of the present-day upswing in art interest. Lectures, textbook, and readings. Open to all students. *Two credit hours.*

ASTRONOMY

PROFESSOR WILLARD; ASSOCIATE PROFESSOR JORDAN

The courses in astronomy aim to meet the demands of students seeking a knowledge of the subject for purposes of general culture and for technical or professional uses. Courses may be selected which provide instruction in theoretical astronomy and observatory practice.

10. Descriptive Astronomy.—An elementary course. The textbook is supplemented by lectures, illustrated by lantern slides and work in the observatory. Open to all students. *Three credit hours.* MR. JORDAN

11. Practical Astronomy.—Primarily for engineering students. The theory and observations used in the conversion of time, the determination of terrestrial latitudes, and the establishment of meridian lines. Prerequisite, Mathematics 1 and 3. Recitation, *two hours*; laboratory, *one hour*. *Two and one-half credit hours.* MR. JORDAN

14. Navigation.—An elementary course dealing primarily with the determination of the position of a ship at sea. The material discussed forms the basis of airplane navigation during long flights. Open to students who have a working knowledge of trigonometry. *Two credit hours.* MR. JORDAN

15; 16. General Astronomy.—For students in mathematics and physics and others wishing a more complete treatment of the subject than is possible in Course 10. Prerequisite, Mathematics 1. Given in 1941-42 and alternate years. *Three credit hours.* MR. JORDAN

59; 60. *Practical Astronomy.*—The theory and use of the astronomical transit, zenith telescope, and equatorial; accurate determination of time and latitude. Prerequisite, Mathematics 6,7,8, and Astronomy 10 or 15. Given in 1942-43 and alternate years. *Three credit hours.* MR. JORDAN

CHEMISTRY

PROFESSORS BRADT,* BRANN, BRAUTLECHT; ASSOCIATE PROFESSOR OTTO*;
ASSISTANT PROFESSORS BOGAN, DOUGLASS; MR. BREWER;
DR. MARTIN; MR. TOMLIN

The Department of Chemistry opens to the general student of the liberal arts one of the principal avenues of approach to the understanding of Nature and of the manifold complexities of life in our advanced industrial society.

In addition, the Chemistry curriculum affords fundamental training for future study in medicine and allied fields, or for employment in industry, government bureaus, or the teaching profession.

Students taking chemistry as a major subject in the College of Arts and Sciences must complete satisfactorily Ch 1, 2, 31, 40, 51, 52, 64, 71, 72, and advanced courses in organic, inorganic, physical chemistry or biochemistry equivalent to two lectures per week for thirty weeks, and three hours of laboratory per week for fifteen weeks. Courses in mathematics should include differential and integral calculus. A reading knowledge of German is required. One year of physics is required and a second year is recommended. In addition to freshman composition and required German, the student must take 16-18 hours in courses other than the physical sciences. It is recommended that these electives include one year of animal biology.

This curriculum conforms to the requirements set up by the American Chemical Society Committee for the Professional Training of Chemists.

Courses in the Department of Chemistry are described under the College of Technology.

* On leave of absence, 1941-42.

CLASSICS

PROFESSOR HUDDILSTON ; ASSISTANT PROFESSOR SMITH

Greek

MR. HUDDILSTON ; MR. SMITH

The work in Greek is arranged with the idea of presenting several phases of ancient culture. Such courses are offered as will prove helpful to the student of average interests who may desire to include in his college course some work bearing on the permanent contributions of the ancient Greeks to the civilization of modern times.

1-2. *Beginning Greek.*—Selections from Greek authors such as Plato and Xenophon, progressing from single sentences to more complex passages. *Four credit hours.* MR. SMITH

3. *Greek Life and Culture.*—A brief study of important features of the Greek legacy in art and literature. Assigned readings and lectures. Open to all students. *Two credit hours.* MR. HUDDILSTON

4. *Greek Ideals.*—The development of Greek thought from Homer down to the period of the Hellenistic philosophies. The social and aesthetic significance of the Greek festivals and the Athenian ideas of education and democracy receive special attention. Open to all students. *Two credit hours.* MR. HUDDILSTON

51. *Greek Poetry.*—A general survey which does not presuppose any knowledge of the Greek language. The main attention is given to Homer and writers of the drama; considerable reading is done in English translation. Given in 1942-43 and alternate years. *Three credit hours.* MR. HUDDILSTON

Latin

MR. SMITH

The courses in Latin are planned with a double purpose—to give some understanding of the best that Rome achieved and to train students for high-school positions as teachers of Latin.

Students who major in Latin are expected to complete at least eighteen hours of work in approved courses. These will normally be numbered

higher than 22. For six of these hours two semester-courses in Greek Language and Literature, involving at least six hours of work, may be substituted.

Teacher Training. Students who, although not majoring in Latin, expect to offer Latin as a teaching subject should take courses 5, 6, 7, 8, 9, 10, 21, 22.

Combined Major. Latin may be taken with another subject, linguistic or otherwise. Latin and French form a good combination for prospective teachers.

3. Cicero.—Open to students who have completed two years' study of Latin in high school. *Four credit hours.*

4. Vergil.—Open to students who have completed two years' study of Latin in high school. *Four credit hours.*

5. Cicero and Horace.—Reading of the *De Senectute* with some attention to Cicero's religious thought; study of the lyric poetry of Horace. *Three credit hours.*

6. Livy.—Selections from the *History of Rome*. Reading with discussion of language and Roman history. *Three credit hours.*

7. 8. Latin Composition.—*One credit hour.*

9. Terence and Plautus.—The development and characteristics of Roman comedy as seen in the *Phormio* of Terence and the *Captivi* of Plautus. *Three credit hours.*

10. Tacitus.—Reading and discussion of the *Agricola* and the *Germania*. This course involves an introduction to the history of the Roman Empire. *Three credit hours.*

21. 22. Latin Composition.—Either semester is open to students who have completed Latin 7.8 or the equivalent. *One credit hour.*

21a. 22a. Latin Composition for Teachers.—This course combines the content of Latin 21.22 with discussion of the practical problems of teaching Latin in high schools. *Two credit hours.*

25. 26. Collateral Reading.—Supervised reading in English on topics concerned with ancient Rome. These readings are selected to meet the interests of the individual student. No work in Latin is prerequisite. *Two credit hours.*

Major Students.—These will be advised to choose courses numbered above 20 which have been described in previous issues of the catalog.

ECONOMICS AND SOCIOLOGY

PROFESSORS KIRSHEN AND CHADBOURNE; ASSOCIATE PROFESSOR LAMSON;
ASSISTANT PROFESSOR HOBBAH; MISS E. G. WILSON; MR. V. H. WHITNEY;
MR. STUART; DR. FISCHER; MR. YOUNG

Cooperating members: PROFESSORS DOW AND LEVINSON; ASSISTANT
PROFESSOR NIEDERFRANK

Students may major in one or any combination of three fields: (1) Economics, (2) Business Administration, (3) Sociology.

Specific requirements:

Economics: My 1; 2; 3; 4, Modern Society (or Es 1a; 2a, Principles of Economics if the student has been unable to register for the Modern Society sequence); Es 95; 96. Senior Seminar.

Business Administration: My 1; 2; 3; 4, Modern Society (or Es 1a; 2a, Principles of Economics if the student is unable to register for the Modern Society sequence); Ba 9; 10, Accounting; Ba 95; 96, Senior Seminar.

Sociology: Sy 1; 2, Principles of Sociology; Sy 95; 96, Senior Seminar.

Senior majors in the department are required to pass an oral comprehensive examination in the spring semester.

Students are expected to receive an average grade of C or better in all prerequisites for advanced courses unless this rule is waived by the department.

Courses in Economics

1a; 2a. Principles of Economics.—Analysis of the fundamental characteristics and institutions of modern economic society. The principles underlying the production, distribution, and consumption of wealth. *Three credit hours.*

MR. STUART, MR. FISCHER, MR. YOUNG

1b; 2b. Principles of Economics.—A short course similar to Course 1a; 2a, for students in Technology and Agriculture. *Two credit hours.*

MR. HOBBAH, MR. YOUNG

33. Labor Problems.—The aims, structure, and methods of labor organizations as related to the problems that confront the workers in our present-day economy. A prerequisite for Es 74 and Es 80. *Three credit hours.*

MR. STUART

53. Money and Banking.—The monetary and banking systems of the United States and other countries; special emphasis on the relation of banking to business. *Three credit hours.* MR. CHADBOURNE

62. The Business Cycle.—Theories of the nature, prediction, and control of the business cycle. Given in 1942-43 and alternate years. *Three credit hours.* MR. HOBBAH

64. International Trade and Finance.—Theory of international exchange; free trade versus protection. Barriers to foreign trade: tariffs, bounties, embargoes, quotas, and exchange restrictions. Recent trade policies of the United States. Given in 1942-43 and alternate years. *Three credit hours.* MR. CHADBOURNE

71; 72. Public Finance.—Government activities and expenditures, taxation and tax systems, budgets and other means of regulating and controlling government spending, and current problems of taxation. *Three credit hours.* MR. STUART

74. Labor and Government.—Federal and state labor legislation, with emphasis on labor relations acts, minimum wage and hour laws, workmen's compensation and social security laws. Given in 1942-43 and alternate years. *Three credit hours.* MR. FISCHER

76. Public Utilities.—Industries "affected with a public interest." Problems considered include valuation of the plant, cost of producing the service, pricing the service, the development of regulation, duties toward the public, organization and management. Given in 1941-42 and alternate years. *Three credit hours.* MR. HOBBAH

78. Economics of War and Defense.—Industrial mobilization in a war economy. Priorities, price policies, labor mobilization, and war financing are among the problems considered. *Three credit hours.* MR. KIRSHEN

80. The American Labor Movement.—Selected periods in the history of American unionism including an analysis of union structure, administration, legal status, and policies. Comparisons will be made with the European labor movement. Prerequisite, Es 33. Given in 1941-42 and alternate years. *Three credit hours.* MR. FISCHER

91. Development of Economic Thought.—The economic thinking of the Canonists, Mercantilists, and Physiocrats, and of selected economists from the time of Adam Smith to the present day. The influence of the earlier ideas on contemporary economic thought, institutions, and problems is emphasized. Not offered in 1942-43. *Two credit hours.* MR. HOBBAH

92. Economic Theory.—Contemporary price and distribution theory as a tool in economic analysis. *Three credit hours.* MR. HOBBAH

95. Seminar.—The principles of ethics in the field of business enterprise. Required of senior majors. *Two credit hours.* MR. LEVINSON

96. Seminar.—A comprehensive study and survey of the field of economics. Required of senior majors. *Two credit hours.* THE STAFF

97. 98. Problems in Economics.—For the advanced student capable of working by himself on some problem in the field of economics under individual guidance. Prerequisite, twelve hours of economics and permission of the staff. *Hours arranged.* THE STAFF

125. Graduate Thesis.—*Six credit hours.*

Courses in Business Administration

9; 10. Accounting.—The principles of accounting used in business: balance sheets and income statements; accounting systems; depreciation; manufacturing cost analysis; partnership and corporation problems; statement analysis. *Three credit hours.*

MR. CHADBOURNE, MR. STUART, MR. FISCHER

15 (16). Business Law.—The nature and enforcement of law, contracts, agency, and negotiable instruments. For juniors and seniors in Technology and Agriculture only. Ba 15 is for students in Mechanical Engineering. *Three credit hours.*

MR. KIRSHEN, MR. CHADBOURNE, MR. HOBBAH

51. Corporation Finance.—The position of the modern business corporation from the financial point of view. Corporate securities, intercorporate relations, underwriting, financial plans, management and control. *Three credit hours.*

MR. KIRSHEN

54. Investments.—Securities, diversification policies; individual and institutional investments; the investment banking business and securities regulation. Suggested preparation, Ba 51 and Es 53. Given in 1941-42 and alternate years. *Three credit hours.*

MR. CHADBOURNE

55; 56: Business Law.—A more advanced than Course 15 (16), including, in addition, damages, guaranty, and suretyship. *Three credit hours.*

MR. KIRSHEN

59. Business Management and Policy.—The functions of management and the formulation and execution of business policy. *Three credit hours.*

MR. HOBBAH

60. Personnel Management.—The selection, training, and management of personnel in private and public business. Designed for the student interested in administration, office management, or personnel work in education, business, engineering, public service, and other fields. *Three credit hours.* MR. DOW

65; 66. Second Year Accounting.—The evaluation and treatment of the corporate balance sheet; the analysis and interpretation of financial statements with reference to the problems of cost accounting, income tax accounting, and auditing. Prerequisite, Ba 9; 10. *Three credit hours.* MR. FISCHER

95. Seminar.—The principles of ethics in the field of business enterprise. Required of senior majors. *Two credit hours.* MR. LEVINSON

96. Seminar.—A comprehensive study and survey of the field of Business Administration. Required of senior majors. *Two credit hours.* THE STAFF

97. 98. Problems in Business Administration.—For the advanced student capable of working by himself on some problem in the field of business administration under individual guidance. Prerequisite, twelve hours of business administration and permission of the staff. *Hours arranged.* THE STAFF

125. Graduate Thesis.—*Six credit hours.*

Courses in Sociology

The sociology curriculum focuses the student's attention upon social relationships as phenomena capable of objective analysis. This is achieved through a study of (1) structure and function of society, as observed in social groups, institutions, codes, communities, and strata; (2) the dynamics of social change, as found in invention, cultural diffusion, and population trends; and (3) social disorganization, as reflected in dependency, crime, and community breakdown.

Sy 24 and Sy 41 (42) may not be counted toward the major.

1; 2. Principles of Sociology.—Basic data concerning the structure and functioning of communities, groups, races, codes, institutions, and social processes. Prerequisite for other courses unless otherwise stated. *Three credit hours.* MR. LAMSON, MISS WILSON, MR. WHITNEY, MR. NIEDERFRANK

20. The Field of Social Work.—The theory and practice of public and private social work; psychiatric, medical, family case, and group work.

The profession discussed in relation to courts, clinics, schools, hospitals, and settlements. Visiting lecturers and field trips. Given in 1942-43 and alternate years. *Three credit hours.* MR. WHITNEY

24. Rural Sociology.—The social aspects of agriculture and rural life. This course is the same as Fm 24 in Department of Agricultural Economics and Farm Management. *Three credit hours.* MR. NIEDERFRANK

41. (42). Marriage and the Family.—Preparation for intelligent participation in family life through a study of the function of and changes in these institutions. Courtship, mate selection, marriage preparation, husband-wife and parent-child relationships. Juniors and seniors only. *Three credit hours.* MR. LAMSON

52. Child Welfare.—The problems of the dependent, neglected, delinquent, illegitimate, and defective child. Methods of care and agencies of treatment, public and private. Visiting lecturers and field trips. Prerequisite, Sy 20 or permission of instructor. Given in 1941-42 and alternate years. *Three credit hours.* MR. WHITNEY

57. Group Work Leadership.—The philosophy and methods of group work in schools, camps, and character-building agencies. Principles of leadership, methods of program planning, the evaluation of program activities, and the interaction of the group and the individual. Prerequisite, Py 1; 2. *Three credit hours.* MISS WILSON

61. Social Pathology.—Social maladjustment including desertion, divorce, illegitimacy, prostitution, unemployment, old age, occupational accidents and disease, mental disease and defect, suicide, and community disorganization. Field trips. *Three credit hours.* MR. LAMSON

62. Criminology.—Characteristics, causes, and prevention of crime, including mental, physical, economic, political, and social factors; the relation of race, nationality, age, and sex to crime; theories and forms of punishment and rehabilitation. Field trips to jails and prisons. *Three credit hours.* MR. LAMSON

64. Community Organization and Leadership.—An advanced course in rural sociology. The structural organization of the rural community; organization and planning for improvement of its social and economic relations. Principles of leadership. This course is the same as Fm 64 in the Department of Agricultural Economics and Farm Management. Prerequisite, one course in sociology. *Three credit hours.* MR. NIEDERFRANK

65. Urban Sociology.—The role of city life and urbanization. The effects of urban environment upon social institutions, codes, housing, and recreation. Rural-urban contrasts in health, crime, religion, education, mo-

bility, personal and social disorganization. Field trips and visiting lecturers. Given in 1941-42 and alternate years. *Three credit hours.* MR. WHITNEY

83. Population.—Factors involved in the composition, growth and control of population. Birth and death rates, natural selection, quality of peoples, eugenics, theories of population, migration, and population pressure. Given in 1942-43 and alternate years. *Three credit hours.* MR. WHITNEY

84. Race Relations.—The status of minorities, racial intermarriage, conflict and accommodation between racial and ethnic groups, race in relation to nationalism. Given in 1942-43 and alternate years. *Three credit hours.* MR. LAMSON

86. Social Change.—The basic processes underlying planned and unplanned changes that occur in dynamic society. Theories of social evolution, ideas of progress, relationship between technological and social changes. Given in 1941-42 and alternate years. *Two credit hours.* MR. LAMSON

95. 96. Sociology Seminar.—Required of senior majors. *Two credit hours.* THE STAFF

97. 98. Problems in Sociology.—For the advanced student capable of working by himself on some problem in the field of sociology under individual guidance. Prerequisite, twelve hours of sociology and permission of the staff. *Hours arranged.* THE STAFF

125. Graduate Thesis.—*Six credit hours.*

ENGLISH

PROFESSORS ELLIS, TURNER, SMALL, AND ASHBY; ASSOCIATE PROFESSORS SCAMMAN, FLEWELLING,* AND CROSBY; ASSISTANT PROFESSORS COGGESHALL, WHITNEY, REYNOLDS, AND WENCE; MRS. CRANDON;†
DR. SANDERLIN; MR. HAWTHORNE; MR. WOODBRIDGE;
MR. THURSTON; MISS OLIVER

Major fields may be selected in English literature, American literature and history, journalism or creative writing, comparative literature, or dramatic literature; or may combine courses in English and in some allied subject such as history, philosophy, music, speech, sociology, or any foreign literature.

* On leave of absence, fall semester, 1941-42

† On leave of absence, 1941-42.

Students electing English as a major should have completed the prerequisite courses Eh 3. 4 and Eh 7 or 8, or their equivalent before their junior year. A grade of C or better is expected in Eh 3. 4 and in eighteen hours of the major curriculum. English literature majors are required to take Hy 17. 18, History of England, or to pass an examination in the subject set by the English Department. An acquaintance with European and American history, philosophy, public speaking, and elementary psychology is recommended for all English majors.

The departmental major examinations comprise (a) an examination in the mechanics of composition in the spring semester of the junior year; (b) a critical report on some selected author in October of the senior year; (c) a written examination over the student's advanced work, and (d) a comprehensive oral examination, both in the final semester. A passing grade in the written examinations is required for graduation.

Students planning to teach English should take Eh 84 and Eh 67 or 67a. Major students in other departments who offer English as a second teaching subject in secondary schools should take Eh 3. 4; 7 or 8; 57 or 58 (or 61 or 62); 71. 72, or 43 (44); and 84. Eh 67 is also strongly recommended.

Courses in Composition and Rhetoric

(See also courses in Journalism, separately listed.)

1; 2. Freshman Composition.—Expository and narrative writing, required of all freshmen not admitted to Eh 11; 12, and prerequisite for all other English courses.

Freshmen found particularly deficient in grammar, sentence structure, and spelling attend special tutoring groups in addition to the regular class work. Three credit hours.

Chairman, MR. WENCE

5 (6). Technical Composition.—The forms of business correspondence, the construction of reports, and the preparation of technical papers. Prerequisite, junior standing in Technology or Agriculture. *Two credit hours.*

Chairman, MR. SCAMMAN

7. 8. Second-Year Composition.—In the fall semester the writing of informal essays and articles; in the spring, descriptive and narrative writing. *Three credit hours.*

Chairman, MR. WHITNEY

8b. Writing the Term Paper.—The finding, assembling, and arrangement of source material, and the organization and writing of reports and research papers. Not given in 1941-42. *Three credit hours.*

MR. COGGESHALL

19. Expository Writing (Home Economics).—Study and practice in the forms of writing chiefly used in Home Economics teaching, extension, club work, diatetics, and merchandising. Open to juniors and seniors. *Two credit hours.* MISS CROSBY

77. 78. Creative Writing.—An advanced course for students who have shown exceptional interest and ability in some field of writing. The types selected will vary in different years. Prerequisite, English 7 or 8 or an equivalent, with honor grade. *Three credit hours.*

Chairman, MR. WHITNEY

Courses in Literature

3. 4. History of English Literature.—English literature to 1900, emphasizing its historical development and the work of the chief writers. English 3. 4, or 11; 12 is a general prerequisite for advanced courses in English literature. *Three credit hours.* Chairman, MR. REYNOLDS

9 (10). Modern Literature.—Literature of contemporary interest, with the design of cultivating the appreciation and enjoyment of good reading, and an understanding of contemporary thought. *Not open to students in Arts and Sciences except those in the Nursing Curriculum. Two credit hours.* Chairman, MR. SCAMMAN

11; 12. Freshman Literature and Composition.—Representative types of literature, with extensive theme writing. Open to superior students excused from Eh 1; 2 by the Department. *Three credit hours.*

MISS CROSBY, MR. WHITNEY, MR. WENCE

35. 36. Recent and Contemporary Drama.—Outstanding dramatists and plays, mainly of the twentieth century, in Great Britain and the United States. Continental and British drama is taken up in the fall semester and American in the spring. *Two credit hours.* MR. WHITNEY, MRS. CRANDON

38. Browning.—Primarily a reading course, with much class discussion. An important aim is the cultivation of an appreciation of poetry in the student. Not given in 1941-42. *Two credit hours.* MR. TURNER

41 (42). Recent Writers of Maine.—Twentieth-century writers whose works reflect the Maine scene or character. Among the writers included are E. A. Robinson, Edna St. Vincent Millay, Robert Coffin, Mary Ellen Chase, Kenneth Roberts, Gladys Hasty Carroll, Rachel Field, and Owen Davis. Not given in 1941-42. *Two credit hours.* MR. HAWTHORNE

43 (44). Chief Writers of America.—The principal writers of the United States in the nineteenth century, with some attention to Edwards and

Franklin in the eighteenth. *Three credit hours.*

MR. FLEWELLING, MR. ELLIS

45. 46. Twentieth-Century Literature.—Poetry and the novel from 1900 to the present. British writers are considered in the fall semester, American in the spring. *Three credit hours.*

MR. FLEWELLING

For Courses 51-100 inclusive, Eh 3, 4, or 11; 12 is prerequisite, except for Dean's List students in any college, whose grades in English have been satisfactory, and who obtain the instructor's permission to enroll. These courses may, with the approval of the Graduate Faculty, be taken for graduate credit by any qualified student who has already completed satisfactorily a full advanced course in the Department.

54. Chaucer.—Selections from the *Canterbury Tales* and the chief minor poems, stressing the reading of Chaucer as poetry, his literary range and qualities, and the picture of his time given in his works. *Three credit hours.*

MISS CROSBY

55. Poetry of the Romantic Movement.—The poetry of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries, against the background of their time. Given in 1941-42 and alternate years. *Three credit hours.*

MR. TURNER

56. Victorian Poetry.—The poetry of Browning, Tennyson, Arnold, the pre-Raphaelites, and their contemporaries. Given in 1941-42. *Three credit hours.*

MR. TURNER

57. 58 Shakespeare.—A careful study of several of Shakespeare's most important plays and the reading of others, preceded by a brief consideration of the earlier English drama. Attention is given to Elizabethan stage conditions and the dramatic work of Shakespeare's contemporaries. *Three credit hours.*

MR. ELLIS, MR. SMALL

61. 62. History of the British Drama.—In the first semester, the development of the drama in England from the miracle plays through the Elizabethan period. In the second semester, subsequent tendencies from the Restoration period to the twentieth century. Given in 1941-42 and alternate years. *Three credit hours.*

MR. ASHBY

65. 66. Restoration and Eighteenth Century Literature.—The evolution of neo-classicism and its transition into the early Romantic Movement, as shown in the various types of literature that flourished in this period. Given in 1941-42 and alternate years. *Three credit hours.*

MR. ASHBY

69 (70). *The American Novel.*—The chief American novelists of the nineteenth century and their work. Given in the fall semester, 1942-43. *Three credit hours.* MR. FLEWELLING

71. 72. *American Literature.*—The development and history of American literature, including the political, social, and religious ideas which it reflects. *Three credit hours.* MR. ELLIS

81. 82. *The English Novel.*—In the first semester, the history of the English novel from the medieval prose romances to the death of Scott. In the second semester, the Victorian novel and recent British novelists. Given in 1942-43 and alternate years. *Three credit hours.* MR. TURNER

101. 102. *Graduate Seminar.*—Subjects and credit vary. In the fall semester, 1941-42, The Beginnings of American National Literature. MR. ELLIS

Courses in Journalism

23; 24. *News Writing and Editing.*—News as defined by the practice of the metropolitan daily. The mechanics and theory of copy-desk editing. Laws affecting the press: libel and contempt of court. Standards and ethics. Not open to freshmen. Prerequisite, History 3. 4 or 5. 6. *Three credit hours.* MR. COGGESHALL

25 (26). *The Newspaper in the Twentieth Century.*—The history of the American press. The newspaper as a social institution and as an organ of political opinion. Prerequisites: a grade of C in English 23; 24; History 5. 6; and Government 31. 32, or consent of the instructor. *Three credit hours.* MR. COGGESHALL

28. *Departmental or Feature Writing.*—Specialized writing for daily and weekly newspapers, feature sections, etc. Assignments will vary according to the objectives of individual students. Prerequisites: a grade of C in English 23; 24; 25, or consent of the instructor. Not given in 1942-43. *Two credit hours.* MR. COGGESHALL

30. *The Country Newspaper.*—The administrative, mechanical, and editorial problems of the weekly journal. The course will be associated as far as possible with the weekly newspapers of the State. Prerequisite: a grade of C in English 23; 24, or consent of the instructor. *Three credit hours.* MR. COGGESHALL

79 (80). *The Newspaper as a Factor in International Relations.*—News as a world commodity, censorship and propaganda, the work of the

foreign correspondent; the press and public opinion as a factor in precipitating war. Prerequisites: a grade of C in English 23; 24; History 5; 6; 54; 67. 68; or consent of the instructor. Given in 1941-42 and alternate years. *Three credit hours.* MR. COGGESHALL

Courses in Linguistics

51; 52. Anglo-Saxon.—Anglo-Saxon grammar and reading of easy prose and poetry. Reading of the Anglo-Saxon epic *Beowulf* in the second semester. Lectures on the literature of the Anglo-Saxon period. Given in 1941-42. *Three credit hours.* MR. SMALL

67. History of the English Language.—English words and their background; a study of the changes in sounds, forms, and meanings that have produced our contemporary English. Recommended for students preparing to teach English or to do graduate work in the subject. Given in 1942-43. *Two credit hours.* MR. SMALL

67a. The American Language.—The economic and social changes that have made American English a colorful and vigorous language; new words from colonial times to the present; Americanisms and Anglicisms; the American dialects and the question of a speech standard. Given in 1941-42. *Two credit hours.* MR. SMALL

Courses in Comparative Literature

(See also Fr 51, 52; Gk 51; Gm 59 (60); Sp 57. 58.)

Cp 39; 40. The Literature of Social Change.—Notable works which have influenced the social or political order, and their present-day significance. The great Utopias and social satires, nineteenth-century humanitarian novels, and such contemporary social critics as Shaw, Galsworthy, Sinclair, Dreiser, Caldwell, and Steinbeck. *Three credit hours.* MR. WENCE

Cp 73; 74. Literary Criticism.—Literary practices and standards from Aristotle to the present, including American criticism. The reading of some of the recognized masterpieces of Continental literature to which critical principles have been most frequently applied. Given in 1942-43. *Three credit hours.* MR. ASHBY

Cp 75. 76. European Literature.—European literature from Homer to the Renaissance in the first semester, and thence to the present, in the second, showing the relations among the literatures of different epochs and

countries. No knowledge of foreign languages is required. *Three credit hours.* MR. TURNER

Courses in the Teaching of English

84. *Teaching of English in the High School.*—A practical survey of materials in common use in high-school English classes, together with an examination of current methods and theories. Review of mechanics, practice in theme-correction, and remedial reading. *Three credit hours.*

MRS. CRANDON, MISS CROSBY

Ed 29a. *Supervised Student Teaching of English.*—(See School of Education.) For approved senior tutors. *Two hours a week*, first or second half of the fall semester. *One credit hour.* MISS OLIVER

GEOLOGY AND GEOGRAPHY

The courses in Geology are described under the Department of Civil Engineering in the College of Technology.

GERMAN

PROFESSOR DRUMMOND; ASSOCIATE PROFESSOR KLEIN;
ASSISTANT PROFESSOR MILES

The Department of German offers the student an opportunity to become acquainted with the great literature of a foreign nation.

In addition to its cultural worth, German has a great practical value for students who intend to do research work in literature, history, economics, philosophy, and especially in the natural sciences, since a great deal of scientific literature is written in German.

Special courses, too, are offered for those students who desire to obtain a good writing and speaking knowledge of German.

1-2. *First-Year.*—A course for beginners. Grammar, composition, translation, conversation. Credit is not given for less than a year's work to students in the College of Arts and Sciences. *Four credit hours.*

MR. DRUMMOND, MR. MILES

3. 4. *Short Story.*—For students who have had Course 1-2 or the equivalent. Translation, composition, grammar review. *Three credit hours.*

MR. DRUMMOND, MR. MILES

5. 6. *The Drama.*—For students who have had Course 3. 4 or the equivalent. A study of the German drama including selections from such eighteenth and nineteenth century writers as Lessing, Schiller, Hebbel, Kleist, Hauptmann. Lectures and discussion. *Three credit hours.*

MR. DRUMMOND

7. 8. *The Novel.*—For students who have had Course 5. 6 or the equivalent. Critical reading of novels by such authors as Goethe, Meyer, Fontane, Hesse, and Mann. Lectures and essays. *Three credit hours.*

MR. KLEIN

13. 14. *Elementary German Composition and Conversation.*—For students who have had Course 1-2 or the equivalent. *Two credit hours.*

MR. MILES

15. 16. *Scientific German.*—Open only to students whose previous study of German will enable them to read scientific German with profit. *Two credit hours.*

MR. KLEIN

17. 18. *Advanced German Conversation and Composition.*—For students who have had Course 13.14. *Two credit hours.*

MR. KLEIN

19-20. *German for Chemists.*—A beginning course in German for students in the Colleges of Agriculture and Technology, and for students in the College of Arts and Sciences who intend to major in Chemistry. The reading matter is chiefly in chemical German with incidental stress upon grammar. *Three credit hours.*

MR. KLEIN, MR. MILES

21; 22. *German for Chemists.*—Continuation of Course 19-20, which is prerequisite. *Three credit hours.*

MR. KLEIN

The following courses are given when there is sufficient demand.

51. 52. *Studies in Eighteenth-Century Literature.*—Special attention is given to the life and works of Klopstock, Lessing, Wieland, Goethe, and Schiller. Critical study of assigned works, lectures, and discussions. *Two credit hours.*

MR. DRUMMOND

53. 54. *Goethe.*—Lectures on the life and work of Goethe, with a critical study of *Faust*. *Two credit hours.*

MR. DRUMMOND

55. 56. *Studies in Nineteenth-Century Literature.*—The various literary movements of the nineteenth century. Lectures, discussions, outside reading. *Two credit hours.*

MR. KLEIN

57. 58. *Seminar.*—A study of some special topic in German literature. *Two credit hours.*

MR. DRUMMOND, MR. KLEIN

59. (60). *History of German Literature.*—Lectures in German, outlining the history of German literature. Recitations, outside reading. *Two credit hours.* MR. DRUMMOND

The department is also prepared to give, when there is sufficient demand, the following courses: **61. 62. *Early New High German*; 101. 102. *Gothic, Introduction to the Study of Germanic Philology*; 103. 104. *Old High German*; 105. 106. *Middle High German.***

HISTORY AND GOVERNMENT

PROFESSORS DOW AND WHITMORE; ASSISTANT PROFESSOR MORROW;

MR. PELLETIER; DR. BRACE; MR. DAVIS

Cooperating members: PROFESSORS HUDDILSTON AND PETERSON

Major Students. Since students concentrate in History and Government in preparation for widely divergent occupations, the major requirements of the department have been given considerable flexibility.

Teacher Training. Students in the School of Education or College of Arts and Sciences who expect to offer history as a teaching subject should take Courses 3, 4, 5, 6 and six hours of advanced work previously approved by the head of the department. Grades should be C or better in all courses. Many teachers are called upon to teach Civics, Citizenship, or Current Events courses, and consequently Gt 31, 32 is advised for this purpose. Subjects commonly combined with history for teaching purposes are English, French, Latin, science, or mathematics.

Specimen Curricula have been prepared in the following subjects and are obtainable from the Dean of the College of Arts and Sciences: City Manager; Foreign Service; Personnel Management; Pre-Law; Public Administration; and Teaching of History.

Courses in History

History includes in one continuous narrative the story of mankind so far as it is known. Course offerings are limited to selected periods which seem significant for the present generation. History is more than "past politics": it includes economic, social, intellectual, artistic, and scientific events. It deals with ages, races, and social movements, attempting to interpret materials in such a way as to throw light on our present complex civilization and the future course of events.

1. 2. *Ancient Civilization.*—Achievements of the Greeks and Romans in laying the foundations of Western life and thought with some attention to Egyptian and Eastern civilization as the background of classical culture. Readings, lectures, and notebook. Open to all students. *Three credit hours.*

MR. HUDDILSTON

3. 4. *United States History.*—From the organization of the new government in 1789 to recent years. The work covers such topics as the development of democracy, growth of the West, slavery and sectionalism, the Civil War, reconstruction, the making of modern America, industrialization, and imperialism. *Three credit hours.*

MR. WHITMORE

5. 6. *History of Western Europe.*—Europe and its civilization from the decline of the Roman Empire to the present time. The emphasis is upon the development of those political, economic, and social institutions which help to explain our present-day civilization. *Three credit hours.*

MR. BRACE, MR. MORROW

17. 18. *History of England.*—From earliest times to the present. The political aspects are emphasized, with some attention to social and economic factors. Stress is placed upon the development of parliamentary government and the evolution of modern England and the British Commonwealth of Nations. *Two credit hours.*

MR. PELLETIER

21 (22). *Current World Problems.*—For those who wish to be informed on world affairs, but do not make history their major subject. Open to all students. *Two credit hours.*

MR. WHITMORE

51. *The French Revolution.*—The historical background; the revolution in its political, social, economic, and intellectual aspects; the spread of the revolutionary principles over Europe by Napoleon. Prerequisite, Course 6. Given in 1942-43 and alternate years. *Three credit hours.*

MR. BRACE

52. *The Revolutionary Era.*—Development of Europe from the Congress of Vienna through the Franco-Prussian War. Nineteenth century liberalism, the evolution of nationalism, and the chief intellectual movements of the period. Prerequisite, Course 6. Given in 1942-43 and alternate years. *Three credit hours.*

MR. BRACE

53. *Europe from 1871.*—The internal problems of the Great Powers of Europe; the development of nationalism and the new imperialism; the background of the World War (1914-1918); and the treaties of peace. Prerequisite, Course 6. Given in 1943-44 and alternate years. *Three credit hours.*

MR. BRACE

54. *Contemporary Europe.*—The national and international problems facing the European powers from the Paris Peace Conference to the present time. Prerequisite, Course 6. Given in 1943-44 and alternate years. *Three credit hours.* MR. BRACE

57. *American Colonial History, 1607-1688.*—The founding and the political, social, and economic development of the colonies in the seventeenth century. English colonial policy of the Commonwealth and the Restoration periods. Permission of the instructor required. Given in 1941-42 and alternate years. *Two credit hours.* MR. WHITMORE

58. *American Colonial History, 1689-1789.*—The development of the colonies in the eighteenth century. Emphasis is placed on the remote and immediate causes and the results of the American Revolution. Permission of the instructor required. Given in 1941-42 and alternate years. *Two credit hours.* MR. WHITMORE

59. 60. *Economic History of the United States.*—The economic development of the United States from the colonial period to the present with special attention to the problems raised by the economic evolution of the country. Prerequisite, six hours of history, government, or economics. Given in 1941-42 and alternate years. *Three credit hours.* MR. MORROW

61. *Twentieth-Century America.*—The Progressive Movement, the Wilson reforms, the World War, return to "Normalcy," the depression of 1929, the New Deal, etc. Permission of the instructor required. Given in 1942-43 and alternate years. *Two credit hours.* MR. WHITMORE

62. *Maritime History of the United States.*—Ships and trade from colonial days to the present including famous ships and ship builders, evolution from wood to iron and steel ships, the effect of the Civil War and the World War on our merchant marine. Permission of the instructor required. Given in 1942-43 and alternate years. *Two credit hours* MR. WHITMORE

63. 64. *Canadian History.*—The political and economic growth of Canada with special emphasis on Canadian-American diplomatic and economic relations. Given in 1941-42 and alternate years. Prerequisite, Hy 3. 4, or Gt 31. 32. *Two credit hours.* MR. MORROW

65. 66. *Latin-American History.*—The colonization, formation, and development of the Latin-American republics with special attention to Mexico and the Argentine Republic. Emphasis is placed on their civilization, problems and possibilities, and relations with foreign nations. Prerequisite, six hours of history. Given in 1941-42 and alternate years. *Two credit hours.* MR. PETERSON

67. 68. American Diplomatic History.—American diplomatic history from the Revolution to the present with emphasis on the formation and application of America's major foreign policies. Prerequisite, Hy 3. 4 or Gt 31. 32. Given in 1942-43 and alternate years. *Three credit hours.*

MR. MORROW

69. 70. Social History of the United States.—The main currents in American social and cultural development as illustrated in American thought, literature, fine arts, religion, and humanitarian reforms. Prerequisite, six hours of history, government, or economics. Given in 1942-43 and alternate years. *Three credit hours.*

MR. MORROW

73. 74. Economic History of Europe.—The economic history of Europe from the feudal epoch to the present. The rise of the towns, the guilds, mercantilism, and capitalism. Prerequisite, six hours of history, government, or economics. Given in 1942-43 and alternate years. *Three credit hours.*

MR. BRACE

Given in case of sufficient demand :

55. 56. Russian History.

75. 76. Social History of Europe.

77. 78. The Middle Ages.

Courses in Government

The study of government covers the activities of governing agencies from towns and cities to international bodies. It is concerned with the origin and development of political institutions and their social effects, and with the possibilities for improvement. The primary purpose of instruction in government is to train college students for active and intelligent citizenship.

Public Service Training. With the rapid expansion of government agencies and services there has come an added need for public servants with basic training in government and administration.

7. 8. Maine Government.—The practical operation and current problems of state and local government as these affect the citizen of Maine. One lecture each week by an official, followed by a discussion period. No prerequisite. *Two hours a week. One credit hour.*

MR. DOW and Guest Lecturers

7a. 8a. Maine Government.—For prospective teachers and all others wishing a more complete picture of Maine government. Includes Course 7. 8, plus an additional weekly lecture or discussion, and assigned readings. Permission of the instructor required. *Three hours a week. Two credit hours.*

MR. DOW

7b. 8b. Maine Government.—The same as Course 7a. 8a, with the added requirement of a term paper written on a problem of Maine government. Permission of the instructor required. *Three credit hours.* MR. DOW

9. National and State Planning.—National, regional, and state planning; master plans, zoning, economic and sociological factors in planning, correlation with local planning. *Two credit hours.*

MR. PELLETIER and Guest Lecturers

10. Community Planning.—Planning in local governmental units. Urban and rural zoning, master plans, land use, fiscal abilities, and local services. *Two credit hours.*

MR. PELLETIER and Guest Lecturers

31. 32. American Government.—The principles and interpretation of the Federal and state governments. Special attention will be paid to Congress and the state legislatures; the presidency; courts; constitutions; present-day problems of the executive departments. *Three credit hours.*

MR. DOW

33. Municipal Government.—The process of government in modern cities: types of city government; metropolitan areas; home rule; nominations and elections; relations with the Federal and state governments. *Three credit hours.*

MR. DOW, MR. PELLETIER

34. Municipal Administration.—Special emphasis on the city plan; financial control and administration; line functions—fire, police, and recreation; civil service; and citizen interest. *Three credit hours.*

MR. DOW, MR. PELLETIER

51. 52. Public Administration.—The practical problems of administration in the modern state. The development of administration; principles of departmental organization and control; administrative law; public relations; personnel; financial administration. Field trips to governmental agencies. Prerequisite, Course 31. 32. *Three credit hours.* MR. PELLETIER

73. 74. International Relations.—The fundamental realities which underlie international relations, and the rules which govern them, with illustrative material taken from recent and current events and policies. Prerequisite, six hours of history or government. Given in 1942-43. *Three credit hours.*

81; 82. Introduction to Law.—Origin and development of the great legal systems. The treatment is cultural and historical rather than technical or legalistic. Open to juniors and seniors. Given in 1942-43 and alternate years. *Three credit hours.*

MR. DOW

83; 84. *The American Constitution.*—The constitution as it develops through court decisions in such fields as commerce, protection of life, liberty, and property. Court procedure and the lives of famous judges. Permission of the instructor required. Given in 1941-42 and alternate years. *Three credit hours.* MR. DOW

99. *Public Opinion.*—Formation and operation of the public will in democracies. Public opinion in campaigns; radio, newspapers, and pressure groups; straw votes; civil liberties; censorship; fifth columnists, etc. Permission of the instructor required. Given in 1941-42 and alternate years. *Three credit hours.* MR. DAVIS

100. *Political Theory.*—The classics of political theory with emphasis on political authority and individual rights, property, constitutions, revolutions, and law. Great writers are considered, with primary emphasis on those of the 19th and 20th centuries. Permission of the instructor required. *Three credit hours.* MR. PELLETIER

101. 102. *Seminar.*

125. *Graduate Thesis.*—*Six credit hours.*

See also ***Personnel Management***, under the department of Economics and Sociology.

HONORS COURSES

Gh 46. *Freshman Honors.*—The purpose of this course is to assist the freshman in discovering his special interests and abilities. The tutor seeks to further this purpose by informal questioning and discussion and by the assignment of appropriate reading. *Three credit hours.*

Gh 47. 48. *Sophomore Honors.*—This course is designed to promote acquaintance with some of the world's greatest books, particularly those prominent in the history of occidental culture. The reading is confined mainly to a prescribed list, but this includes all types, embraces diverse subjects, scientific as well as literary, and thus allows abundant freedom of choice. *Three credit hours.*

Gh 51. 52. *Junior Honors.*—This course may be used in one of three ways: (1) for the pursuit of some subject outside of the student's major field, (2) for a continuation of the Honors reading program of the freshman and sophomore years, or (3) for the pursuit of some subject in the student's major field in anticipation of Senior Honors. *Three credit hours.*

Ch 53-54. Senior Honors.—This course, representing the culmination of the Honors program, offers an opportunity to manifest the qualities that Honors work is intended to develop by requiring the student to make an intensive study of some special subject within his major field and to embody the results in a substantial thesis. *Three credit hours.*

MATHEMATICS

PROFESSOR WILLARD; ASSOCIATE PROFESSORS BRYAN, JORDAN, KIMBALL, AND LUCAS; ASSISTANT PROFESSORS STEWART AND LAMOREAU;
MR. JONES, DR. COMEGYS

Students whose major subject is mathematics are required to take Courses 1, 3, 6, 7, 8, 15, 16 or Courses 11, 12, 7a, 8a, 15, 16. Not less than twelve hours are to be selected from courses in mathematics, astronomy, and mechanics numbered 50 or above, and Astronomy 15 and 16. At least six of these hours must be chosen from mathematics courses numbered 51, 52, 53, 54, 55, 56, 60. Astronomy 11 may be taken as a mathematics elective. Students whose major subject is mathematics and who intend to teach in secondary schools are advised to elect Courses 17, 18 or 19, 20; 51, 61, 63, 64 as well as several courses in associated fields.

Freshman students who are well qualified both as to ability and training will be placed in advanced sections. Such students will be selected by the department and will take the freshman Courses 11 and 12, followed in the sophomore year by Courses 7a and 8a.

1. Trigonometry.—The trigonometric functions, radian measure, functions of two or more angles, logarithms, trigonometric equations, inverse functions, solution of right and oblique triangles. *Two credit hours.*

THE STAFF

2. Solid Geometry.—Solid and spherical geometry, including original demonstrations and the solution of numerical problems. Open to all freshmen who have not offered solid geometry for admission. *Three credit hours.*

MR. JONES

3. College Algebra.—A brief review of secondary school algebra. The binomial theorem, determinants, theory of equations. *Two credit hours.*

THE STAFF

5. General Mathematics.—Selected topics such as taxes, insurance, variation, graphs, statistics, investments, philosophy of mathematics to illus-

trate the use of mathematics in everyday activities. *Three credit hours.*

MR. STEWART

6. *Analytic Geometry and Calculus.*—The point, line, circle, and conic sections. Differentiation of algebraic and elementary transcendental functions with applications to maxima and minima and rate problems. Open to students who have had Courses 1 and 3. *Four credit hours.* THE STAFF

7. *Differential Calculus.*—Differentiation of algebraic functions and of the elementary forms of transcendental functions, successive differentiation, differentials, rates, maxima and minima, expansion of functions, series. Open to students who have taken Courses 1, 3, and 6. *Five credit hours.*

THE STAFF

8. *Integral Calculus.*—A continuation of Course 7. Integration of the elementary forms. Applications of the differential and integral calculus. *Five credit hours.*

THE STAFF

9; 10. *Algebra, Trigonometry, and Their Applications.*—For freshman students in Forestry. *Two credit hours.*

MR. STEWART, MR. JONES, MISS COMEGYS

11; 12. *Freshman Mathematics.*—Course 11 consists of an intensive review of algebra and trigonometry followed by a brief course in analytic geometry. Course 12 covers most of the material of Course 7. Open to students selected by the Department. *Four credit hours.*

MR. LUCAS, MR. KIMBALL, MR. LAMOREAU

7a; 8a. *Calculus.*—For students who have had Courses 11 and 12. At least one half of the spring semester will be devoted to differential equations and their applications to engineering problems. *Five credit hours.*

MR. LUCAS, MR. LAMOREAU

13. *Spherical Trigonometry.*—An elementary course with applications to astronomy. Not given in 1941-42. *Two credit hours.* MR. KIMBALL

15. *Analytic Geometry.*—A continuation of the analytic geometry of Course 6, including an introduction to the theory of algebraic plane curves and certain topics in solid analytic geometry. Open to students who have taken Courses 1, 3, and 6. *Three credit hours.*

MR. KIMBALL

16. *Advanced Algebra.*—A brief study of topics in college algebra not covered in Course 3, including a detailed study of determinants and of the theory of equations. Open to students who have taken Courses 1 and 3, and with the consent of the instructor to freshmen with especially good high-school preparation. *Three credit hours.*

MR. KIMBALL

17; 18. Mathematical Theory of Investment.—Interest, discount, annuities, amortization, the valuation of bonds, sinking funds and depreciation, building and loan associations; also the theory of probability and its application to life annuities and life insurance. Solution of numerous problems. *Two credit hours.* MR. STEWART

19; 20. Statistics.—A foundation course in mathematical statistics and applications. Classroom, *two hours a week.* Laboratory, *two hours a week.* *Three credit hours.* MR. BRYAN

19L; 20L. Mechanical Computations.—The use of modern electric calculating machines. Laboratory, *two hours a week.* *One credit hour.* MR. BRYAN

23; 24. Mathematical Analysis.—Topics in algebra, trigonometry, analytic geometry, and introductory calculus for students who wish only one year of mathematics. *Three credit hours.* MR. BRYAN

51. College Geometry.—Modern Euclidean geometry. The nine-point circle, harmonic section, poles and polars are among the topics considered. Given in 1941-42 and alternate years. Prerequisites, Courses 1, 3, and 6. *Three credit hours.* MR. KIMBALL

52. Projective Geometry.—An introduction to projective geometry, from the analytic point of view. Homogeneous coordinates, duality, collineations, and conics are among the topics considered. Given in 1941-42 and alternate years. Prerequisites, Courses 1, 3, and 6. *Three credit hours.* MR. KIMBALL

53; 54. Advanced Calculus.—Partial differentiation and its applications, double and triple integration, line integrals, and other topics. Prerequisite, Courses 7; 8, or 7a; 8a. Given in 1942-43 and alternate years. *Three credit hours.* MR. KIMBALL

55. Differential Equations.—The solution of ordinary differential equations and their applications. Prerequisite, Course 7; 8. *Three credit hours.* MR. WILLARD

56. Vector Analysis.—A treatment of vector algebra and vector calculus required in theoretical work in Physics and Engineering. Not given in 1942-43. *Three credit hours.* MR. LUCAS

57; 58. Engineering Mathematics.—An advanced course designed primarily for juniors in Electrical Engineering and Engineering Physics. Open to students who have had sophomore calculus or the equivalent. *Three credit hours.* MR. LAMOREAU

60. *Theory of Functions of a Complex Variable.*—An elementary course in analytic functions. The course includes a consideration of conformal representation; infinite series, both single and double; and infinite products. Open to juniors, seniors, and graduate students who have had adequate preparation. *Three credit hours.* MR. WILLARD

61. *History of Mathematics.*—Lectures, reference studies, and recitations. Not open to freshmen and sophomores. Given in 1942-43 and alternate years. *Three credit hours.* MR. BRYAN

63; 64. *Teachers' Course in Mathematics.*—Suggestions for the teaching of secondary-school mathematics. Consideration of fundamental mathematical ideas. Not open to freshmen and sophomores. *Three credit hours.* MR. BRYAN

73; 74. *Advanced Statistics.*—Mathematical statistics. Provision is made for students interested in further applications of statistics. Not open to freshmen and sophomores. Given in 1942-43 and alternate years. *Three credit hours.* MR. BRYAN

The Department is also prepared to give the following courses, which may be offered when there is sufficient demand: **65. *Theory of Equations*; 66. *Synthetic Projective Geometry*; 68. *Theory of Numbers*; 71; 72. *Modern Higher Algebra*; 102. *Elliptic Functions*; 109. *Celestial Mechanics*; 110. *Hydrodynamics*; 115. *Theory of Functions of Real Variables*; 116. *Fourier's Series*; 117. *Theory of Substitution Groups and of Algebraic Fields*; 118. *Theory of Transformation Groups (Lie Theory)*; 119; 120. *Differential Geometry.***

MODERN SOCIETY

PROFESSOR KIRSHEN (Chairman); MR. PELLETIER; MR. V. H. WHITNEY;
MR. STUART; MR. DAVIS

There are three primary objectives in the two-year sequence of Modern Society: to understand contemporary society; to relate the present scene to its historical background; and to develop a method of critical analysis.

1; 2. *Modern Society.*—Contemporary economic, political and social problems. Human nature and social behavior, governmental organizations and the politician, business organization, labor and democracy are considered. *Three credit hours.*

3; 4. *Modern Society.*—Comparative economic and political systems such as democracy, communism, and fascism. The impact of war on these systems is analyzed and studied. Prerequisite, My 1; 2. *Three credit hours.*

MUSIC

PROFESSOR SPRAGUE; MR. CAYTING; MR. SELWOOD; MISS STRICKLAND*

The music curriculum is formulated with the general objective of contributing toward a well-rounded college education. The primary aim of all the offerings of the Department of Music—aesthetic, theoretical, and applied—is to promote a constantly widening acquaintance with the literature of music. The courses all move toward this end: the aesthetic provide a listening survey of comparative epochs and “schools”; the theoretical lead to a more exhaustive and detailed working knowledge, through analysis and composition; the applied, both in individual and ensemble performance, give the creative product its living realization.

Although the purpose of instrumental and vocal instruction is not to make professional musicians but rather to open to the student a broader grasp of the significance of great music, the college recognizes its obligation to offer those who enter the University with some mastery of technique an opportunity to maintain and further advance this acquirement.

3. 4. Music Appreciation.—The masterpieces of music analyzed and interpreted, with a consideration of period tendencies and historical positions of composers. The evolution of form from the folk-song through the symphony. Lectures, illustrations, prescribed readings, reports. No prerequisites. *Two credit hours.* MR. SPRAGUE

5; 6. Introductory Harmony.—The fundamental structure of music composition, specifically of the conditions under which tones sound together and move in combination. Prerequisite, a knowledge of notation. *Two credit hours.* MR. SPRAGUE

7; 8. Advanced Harmony.—Supplementary to Course 5; 6 and a continuation of the more advanced problems of tone combination. Harmonic analysis, including a brief survey of modernistic tendencies. Prerequisite, Course 5; 6. *Two credit hours.* MR. SPRAGUE

9; 10. Counterpoint.—The art of combining melodies, a correlative with Harmony as the material of composition. Analysis of masterworks. Composition projects. Prerequisite, Course 5; 6. *Two credit hours.* MR. SPRAGUE

11. 12. Music in the Nineteenth Century.—Romanticism in musical art, particularly as reflected in the symphonic poem and Wagnerian music drama. Analysis of masterworks. Prescribed readings and reports. No prerequisites. *Two credit hours.* MR. SPRAGUE

* Deceased: December 1, 1941.

13. 14. Orchestration.—The modern symphony orchestra. Analysis of representative works through score-reading, phonographic records, and attendance at concerts. Assigned readings in history and theory. Practical scoring. An assurance of essential preparation is required. *Two credit hours.*

MR. SPRAGUE

25. 26. Chorus.—The study and performance of representative choral repertoire, with a consideration of the composers' historical positions and creative aims. An assurance of vocal aptitude is required. *Two hours a week. One credit hour.*

MR. SELWOOD, MISS STRICKLAND

27. 28. Orchestra.—Orchestral ensemble, generally of symphonic order, similar to that of Course 25. 26. An assurance of instrumental aptitude is required. *Two hours a week. One credit hour.*

MR. CAYTING

51. Interpretation and Conducting.—The problems of organization, time-beating, program-building, and interpretation in both choral and instrumental ensemble. Prerequisite, an assurance of aptitude and membership in the University band, chorus, or orchestra. *One credit hour.*

MR. SPRAGUE

53; 54. Form and Analysis.—The style, structure, and content of instrumental composition, as evidenced in typical works of the masters. The program consists of a progressive survey, culminating in the sonata and symphony. Prerequisite: a knowledge of harmony, counterpoint, and the fundamentals of instrumentation. *Two credit hours.*

MR. SPRAGUE

55; 56: Canon and Fugue.—Analysis of masterpieces in these forms, with particular concentration on the Canons of Klengel and the "Art of Fugue" of Bach. Composition projects in these polyphonic types. Prerequisite: a knowledge of harmony and counterpoint. *Two credit hours.*

MR. SPRAGUE

Band is listed under Military Science and Tactics, Course 11. 12.

MR. LARSEN

Applied Courses

The college provides applied music instruction through an affiliation with the Northern Conservatory of Music in Bangor. For economy and convenience to the student, instruction in these courses is given on the campus if a sufficient number register for a course.

A maximum of eight semester hours of credit is allowed for applied music. Repetition of these courses is therefore permitted, with the requisite

variation and progress in technical and literary material; but generally, whatever number of hours is credited must be paralleled by at least an equal number of hours in music theory and aesthetics. The college provides, so far as possible, practice opportunity for students who desire to take applied courses without credit.

Violin, Piano, Organ, Voice.—Private lessons at periods to be arranged. One hour lesson weekly, \$45.00 the semester. *Two credit hours.* One-half hour lesson weekly, \$22.50 the semester. *One credit hour.*

Instrumental and Vocal Ensemble.—Group lessons at periods to be arranged. One hour lesson weekly. Fee, duet, \$22.50 per person the semester; trio, \$15.00 per person the semester; quartet, \$11.25 per person the semester. *One credit hour* in each case.

To meet further demands, instruction in the various orchestral instruments can be provided on a similar basis.

The practice requirements are two hours daily for six days each week for hour lessons, one hour for half-hour lessons. The semester is fifteen weeks for applied music study. Practice facilities are provided on the campus.

For the use of the University instruments, practice fees are charged as follows for a daily practice hour: piano, \$2.50 a semester; organ, \$5.00 a semester.

PHILOSOPHY

PROFESSOR LEVINSON

Philosophy is a resolute and rational attempt to make out the meaning of the world and of life. It raises those great human questions which beset every thinking mind: what is back of it all? How can we know and prove what is really right, and good, and beautiful, and how are the claims of these ideals to be adjusted to the demands of ordinary life?

Such questions are not the property of any minority or special group. We have, each of us, a set of answers to these questions, a working philosophy of life. But unless our ideas are clear, consistent with themselves, and rationally grounded, we are at all times at the mercy of our own emotions and exposed to the constant danger of being misled by clever fallacies. In times of stress, such as the present era, a rational understanding which can hold up against the shock of conflicting dogmas is of vital importance.

While philosophy is ordinarily approached by way of a direct attack

upon the fundamental problems, or through the history of man's attempts to solve them, an opportunity is offered to various classes of students to approach it from the standpoint of their work in other fields.

1 (2). *Philosophy and Modern Life.*—Discussion of some of the crucial questions of belief and conduct confronting Americans today. Typical problems to be dealt with: religion and science; evolution and morals; democracy and its rivals; social justice. Conversations, debates, readings. Primarily for sophomores. *Two credit hours.*

3; 4. *Historical Introduction to Philosophy.*—An approach to philosophy through a first-hand acquaintance with its literature. Reading and interpretation of selections from the philosophical classics of the western world, from Plato to William James. *Three credit hours.*

8. *The Technique of Thinking.*—Exercise in the logical analysis of argument and in the discrimination of "straight" from "crooked" thought. Illustrative material will be drawn from the history of various sciences, natural and social, and from current press and periodical discussion of controversial themes. Given in 1942-43 and alternate years. *Two credit hours.*

10. *Ethical Bases of Democracy.*—A search for a basis of judgment useful in distinguishing right from wrong and good from bad, both in individual and in social problems. Special attention will be given to the problems of American democracy: the meaning of freedom, equality, and justice. Given in 1941-42 and alternate years. *Two credit hours.*

11. 12. *Topics in Philosophy.*—An approach to philosophy by way of the study of certain topics associated with the student's major field. No work in philosophy is prerequisite, but the course is restricted to those upperclassmen whose needs in philosophy are not satisfied by any of the other courses offered by the Department. *Two or three credit hours.*

101. 102. *Seminar.*—An individually arranged program of tutorial instruction for students who have completed twelve hours of work in the Department, or the equivalent.

PHYSICS

PROFESSOR BENNETT; ASSOCIATE PROFESSOR CROFUTT; ASSISTANT PROFESSORS
LARSEN AND WILLIAMS; MR. OLESON; MR. MURPHY

The science of physics is concerned with the general laws and principles by which the phenomena of the physical world may be understood. It not only serves as the basis for all branches of engineering but is applied to

numerous other phases of everyday life, and applications never wholly absorb or displace those underlying facts and theories on which they depend. Physicists are being absorbed in increasing numbers in industry as well as in the government bureaus and privately endowed research foundations. Trained physicists also find their places today in the larger hospitals where X-ray, radiation therapy, and allied techniques are of the utmost value.

Basic training, which is adequate for secondary school teaching, is provided by courses Ps 1a; 2a, or 1b; 2b, and 17. 18. Following this two-year program in general physics, a suitable number of the more advanced courses supplemented with mathematics and chemistry, will prepare a student for minor positions in the profession, or for the graduate training necessary for the higher positions.

For the intelligent layman who wishes some knowledge of the physical world in which he lives, courses of the more descriptive variety are also offered (Ps 3 (4), Ps 10).

1a; 2a. General Physics.—The fundamentals of mechanics, sound, heat, electricity, magnetism, light, and modern physics. This course satisfies the premedical and predental requirements. *Two lectures and two two-hour laboratory periods a week. Four credit hours.*

MR. BENNETT, MR. LARSEN, MR. OLESON

1b; 2b. General Physics.—Open to all students and meeting the requirements of the College of Technology. More time and emphasis are given to the solution of problems than in Ps 1a; 2a. *Two lectures, two recitations, and one two-hour laboratory period a week. Five credit hours.*

MR. BENNETT and THE STAFF

3 (4). Descriptive Physics.—For the non-science student. A treatment in non-mathematical language of the more important topics in physics designed to develop an appreciation for the concepts, the vocabulary, and the methods of the science rather than a false sense of mastery. *Three lectures a week with demonstrations. Three credit hours.*

MR. BENNETT, MR. OLESON

10. Meteorology.—The earth's atmosphere, composition, and movements. Attention is given to atmospheric conditions accompanying changes in weather, a knowledge of which is essential for making weather predictions. Air-mass analysis is considered. *Three hours a week. Three credit hours.*

MR. CROFUTT

17. 18. Intermediate Physics.—A more mathematical treatment of many of the topics introduced in Course 1a; 2a or 1b; 2b which is a prerequisite. (With special permission, students may register for this course under

the number Ps 17a, 18a without laboratory for *three credit hours*.) *Three class hours and one two-hour laboratory period a week. Four credit hours.*

MR. BENNETT, MR. WILLIAMS

21 (22). Mechanics and Heat Laboratory.—An intermediate laboratory course designed primarily for students in Mechanical and Civil Engineering. Fundamental experiments in measurements, statics, dynamics, and heat are performed with more emphasis on precision and technique than in Ps 1b; 2b. Prerequisite, Course 1b; 2b. *Four hours a week. Two credit hours.*

MR. OLESON, MR. CROFUTT

26. Physical Measurements.—An intermediate laboratory course designed to meet the needs of students in Chemical Engineering. Although similar in scope to Course 21 (22), the experiments are not restricted to the fields of mechanics and heat. Prerequisite, Course 1b; 2b. *Four hours a week. Two credit hours.*

MR. LARSEN

32. Photography.—Fundamental theories and techniques. For the scientist and those who pursue photography as a hobby. Construction and use of various types of cameras, lenses, exposure and exposure meters, emulsions, filters, artificial lighting and copying, contact and projection printing, dark-room practice. *Two lectures and one two-hour laboratory period a week. Three credit hours.*

MR. CROFUTT

50. Problems in Physics.—An undergraduate project ordinarily of an experimental nature. The results are written up in the form of a thesis. *Credits from one to three hours.*

MR. WILLIAMS and THE STAFF

Course 17. 18 or the equivalent and the calculus are prerequisite for the following advanced courses.

53. Electrical Measurements.—A laboratory course covering theories and practices in the measurement of electrical and magnetic quantities. Laboratory, *four hours a week. Two credit hours.*

MR. CROFUTT

55. Electricity and Magnetism.—Fundamental aspects of electrostatics, magnetism, electromagnetic phenomena, direct and alternating currents. *Three credit hours.*

MR. LARSEN

58. Mathematical Physics.—Selected theoretical aspects of physics. Mathematical methods are applied to physical principles. Not given every year. *Three credit hours.*

MR. WILLIAMS

59. Sound.—Vibrating systems, sources of sound, transmission, reception, and transformations of sound, and applications. Not given every year. *Three credit hours.*

MR. CROFUTT

62. Heat and Thermodynamics.—Theoretical thermodynamics as applied to the measurement of temperature, specific heat, thermal expansion, conduction, convection, radiation, change of state. *Three credit hours.*

MR. CROFUTT

66. Vacuum Tubes and Thermionic Phenomena.—Thermionic and photo-electric emission, electron optics, and other electronic phenomena. Applications of theory to the design of vacuum tubes. Not given every year. *Three credit hours.*

MR. LARSEN

69. Modern Physics.—Relativity, spectra, X-rays, photo-electric effects, radioactivity, atomic structure, and nuclear physics. Some attention is given to wave mechanics. *Three credit hours.*

MR. WILLIAMS

72. Optics.—The nature of light, reflection, refraction, diffraction, interference, and polarization; and a practical study of geometric optics as applied to optical instruments. *Three credit hours.*

MR. BENNETT

81. 82. Advanced Laboratory Physics.—Selected advanced experiments and projects are performed by the student under the supervision of some member of the staff. Opportunity is given to develop original ideas and to construct apparatus. Departmental approval required. *Credit arranged.*

THE STAFF

97. 98. Physics Seminar.—Topics recently considered include quantum mechanics, statistical mechanics, nuclear physics, and band spectra. *Credit arranged.*

THE STAFF

101. 102. Special Laboratory.—An original investigation. *Credit arranged.*

THE STAFF

125. Graduate Thesis.—*Credit arranged.*

THE STAFF

PSYCHOLOGY

PROFESSOR DICKINSON; ASSOCIATE PROFESSOR BRUSH; ASSISTANT PROFESSOR GLANVILLE; DR. GEBHARD; DR. WILLIAMS

Psychology includes a study of mind and of modes of behavior. Through a study of the child, the normal adult, and the abnormal individual, it enables the student to gain an insight into personality development and the problems of human adjustment. Through experience with psychological tests and the techniques of testing, he comes to a more practical understanding of intelligence.

In its ramifications psychology borders upon the natural as well as the social sciences. It is most closely allied, however, with education, zoology, economics, sociology, and philosophy.

The Department of Psychology offers a counseling service for students in the College of Arts and Sciences, for others by special request.

Students may combine a major in Psychology with any other of the social sciences: Economics, Government, History, Philosophy, Sociology, or with Education or Zoology. Course 1; 2 is prerequisite for all advanced courses in the department.

Psychology 0. *The Technique of Effective Reading.*—An analysis of the student's reading habits is followed by an intensive program of training designed to increase efficiency in reading. Limited to twenty-five students. Elective. Two laboratory periods a week. *No credit.* MR. WILLIAMS

1; 2. *General Psychology.*—A systematic survey of such topics as learning, intelligence, personality, and motivation, and a brief discussion of some of the special fields of psychology, e.g., applied, child, social, abnormal. Classroom, *two hours a week*; laboratory, *two hours a week*. *Three credit hours.* THE STAFF

3. *Applied Psychology.*—Psychology applied to industry, business, advertising, salesmanship, and other fields. Psychological methods and tests in the selection and training of workers. Open only to Technology students in Mechanical Engineering. *Three credit hours.* MR. BRUSH

12. *Advertising and Selling.*—Psychological principles of advertising and selling. Lectures by visiting experts. Prerequisite, Course 1 and enrollment in Course 2. Course 12 may not be substituted for Course 2. *Three credit hours.* MR. DICKINSON

53. *Clinical Techniques in Reading.*—A study of the reading process. The causes and diagnosis of reading defects. Students receive clinical experience through the application of remedial procedures to individuals with reading difficulties. Classroom, *one hour*; laboratory, *two hours*. *Two credit hours.* MR. WILLIAMS

65. *Psychology of Adolescence.*—Growth and development, physical, intellectual, emotional, and social. Adolescent personality and problems of adjustment. Alternates with Py 77. Not given in 1942-43. *Two credit hours.* MR. BRUSH

66. *Educational Psychology.*—The application of psychological facts, principles, and points of view to education. Consideration of social, emotional, intellectual development. Learning in school; its nature and control,

effects on attitudes, interests, transfer of training. *Three credit hours.*

MR. WILLIAMS

67. *Psychology of Childhood.*—The child to twelve years. Native equipment, environmental influences, development of behavior patterns, speech, judgment, etc. Modern experimental techniques of child study. Demonstrational motion pictures available. Prerequisite, Course 1; 2 with a grade of C or better. *Three credit hours.*

MR. DICKINSON

69; 70. *Experimental Approach to Psychological Problems.*—First semester, experimental techniques and the objective approach to problems. Second semester, techniques applied to problems: reaction time, susceptibility to glare, night blindness, safety, etc., in automobile driving, and other practical problems. *Three credit hours.*

MR. GLANVILLE

71. 72. *Abnormal Psychology and Mental Hygiene.*—A study of mental abnormalities and of the normal mentality, with a view to understanding educational practice and problems of human adjustment. Dr. C. J. Hedin, superintendent, conducts five clinics at Bangor State Hospital on Tuesday afternoons, two until four o'clock. For dates see time schedule. Attendance required. Prerequisite, Course 1; 2 with grade of C or better. *Three credit hours.*

MR. DICKINSON

73. 74. *Cooperative Child Study.*—Observation and study of a group of pre-school children. Individual projects, supplemented by readings and a weekly class discussion. Opportunity to assist in guiding the children's activities. Laboratory, *hours arranged.* *Two or three credit hours.*

MR. BRUSH

76. *Social Psychology.*—The development of social behavior in the individual; personality in its relation to social environment; social attitudes; forms of social interaction; the psychological basis of propaganda, crowd behavior, and other forms of group activity. *Three credit hours.*

MR. BRUSH

77. *The Psychology of Personality.*—Consideration of the various current approaches to the study of personality, its development and relation to biological and social factors. Analysis, structure, organization, and measurement of personality. Alternates with Py 65. Given in 1942-43. *Two credit hours.*

MR. BRUSH

81; 82. *Mental Measurement.*—Training in the use of psychometric methods. First semester the emphasis is on technical training; second, on the application to problems. For students who plan to enter or are in the teaching profession, social service, clinical psychology, or personnel work. *Three credit hours*

MR. BRUSH, MR. GLANVILLE

91. 92. *Problems in Psychology.*—Primarily for graduate students and seniors with grade of B or better. The student has here an opportunity to select and attack particular psychological problems under guidance. Admission by consent of instructor. *Credit hours arranged.*

MR. DICKINSON and STAFF

93. 94. *Seminar in Psychology.*—Advanced work for graduate students and other qualified persons. Successive semesters include history of psychology; systems and schools of psychology; current psychological literature; etc. Required of all psychology majors; prerequisite for others, permission of instructor. *Two credit hours.* MR. LEVINSON, MR. DICKINSON

RELIGION

MR. BEVERAGE

1. 2. *A Survey of Old Testament History and Literature.*—The great moral, ethical, and religious heritage of ancient Hebrew civilization. Lectures, discussions, and supplementary readings. *Three credit hours.*

3. 4. *Religion and Modern Life.*—The essential nature and function of religion in contemporary society, based upon a historical survey of the origin and development of the religious consciousness. Lectures, discussions, and supplementary readings. *Two credit hours.*

ROMANCE LANGUAGES

PROFESSOR PETERSON; ASSOCIATE PROFESSORS VIGNERAS AND KLEIN;
ASSISTANT PROFESSORS ARNOLD, BUZZELL, AND STARR

Students concentrating in French are required to elect a minimum of 20 hours in the junior and senior years, which should include courses 55. 56 and 63. 64. Courses 21. 22; 23. 24 may not ordinarily be included in this number, being intended primarily for sophomores. Major students are advised to secure some familiarity with another modern language or to continue Latin. They are expected to take at least a year in European history, a requirement which may be met by History 5. 6.

Students may also concentrate in the general field of Romance Languages, electing, in the junior and senior years, a total of 24 hours of suitable courses in French, Spanish, and Italian. Students whose main interest is Spanish should register for History 65, 66 (Latin American History).

Students not concentrating in Romance Languages but expecting to teach French will be recommended for the teacher's certificate if they elect one year course in literature and two year-courses in oral French.

French

These courses, intended for freshmen, are designed to teach the student to read at sight the French of representative authors. The material is chosen from writers of the modern period.

3; 4. *Intermediate French.*—Reading of narratives, with grammar review. For students offering two units of French as an entrance requirement and for those offering three units whose preparation is inadequate for Course 5. 6. In the latter case only three hours of credit are allowed. *Four hours a week. Three or four credit hours.* MISS BUZZELL, MR. VIGNERAS

5. 6. *Advanced French.*—Reading of novels and short stories, some intensively, others more rapidly, to secure facility in the comprehension of present-day French prose. Open to students offering three units of French as an entrance requirement and to exceptional students offering two units. *Three credit hours.* MR. PETERSON, MR. VIGNERAS, MISS BUZZELL

7. 8. *Elementary Conversation and Composition.*—Grammar review and abundant drill in spoken French to acquire a practical vocabulary and achieve correct speech. Open to students who have offered three units of French for entrance or who have completed Course 3; 4. *Two credit hours.* MISS BUZZELL, MR. STARR

8a. *Elementary Conversation and Composition.*—An intensive second-semester course covering the same material as Course 7. 8. Open to students whose record in the subject is above the average. *Two credit hours.* MISS BUZZELL

9. 10. *Advanced Conversation and Composition.*—Designed to enable the student, through discussion of the customs and interests of everyday French life, to express himself readily in colloquial French. Required of all majors and students planning to teach French. *Two credit hours.* MR. VIGNERAS

9a. 10. *French Civilization.*—A survey of French civilization designed for students taking concurrently Course 9. 10. Required of majors in French. *One credit hour.* MR. VIGNERAS

Course 5. 6 or the equivalent is a prerequisite for all courses listed below. Students who have not passed a reading test should register for

Course 17. 18. Those who have passed a reading test may elect either Course 21. 22 or 23. 24 or 29. 30, one of which is a prerequisite for courses in literature numbered above 50.

17. 18. *Rapid Reading Course.*—A continuation of Course 5. 6 designed to promote facility in reading for those who have not passed a reading test. *Three credit hours.* MISS BUZZELL

21. 22. *The Novel in the Nineteenth Century.*—The development of the modern French novel through the romantic, realistic, and naturalistic periods with emphasis upon the political, social, and cultural backgrounds. *Three credit hours.* MR. STARR

23. 24. *French-Canadian Literature.*—Reading of representative works produced in Canada with a study of the background and literary trends. Alternates with Course 29. 30. *Three credit hours.* MR. VIGNERAS

29. 30. *Contemporary Literature.*—The works of leading twentieth-century writers, with special attention to the novel and drama. Alternates with Course 23. 24; given in 1942-43. *Three credit hours.* MR. VIGNERAS

More Advanced Courses

Most courses in this group are conducted mainly in French.

55. 56. *The French Theatre.*—The study of several plays of the seventeenth and eighteenth centuries with lectures on the development of the theatre followed by the reading of representative works of the Romantic and Realistic schools of the nineteenth century. Alternates with Course 63. 64. *Three credit hours.* MR. PETERSON

57. 58. *French for Prospective Teachers.*—First semester: a review of French history in its relation to French literature. Second semester: methods of teaching, a critical study of textbooks, teaching aids (maps, posters, slides, films, charts), the organization and conduct of school French clubs, French customs. Alternates with Course 67. 68. *Two credit hours.* MISS BUZZELL

57a. 58a. *French for Prospective Teachers.*—First semester, phonetics; second semester, advanced grammar. Given in alternate years along with Course 57. 58. *One credit hour.* MR. PETERSON, MR. VIGNERAS

63. 64. *French Classical Literature.*—A study of the leading characteristics of the seventeenth and eighteenth centuries. Reading of masterpieces of the novel and drama and selections from La Fontaine, Boileau,

Voltaire, Montesquieu, Rousseau, and other writers. Alternates with Course 55. 56; given in 1942-43. *Three credit hours.* MR. PETERSON

67. 68. Survey of French Literature.—A summary of the growth of French literature from the Middle Ages to the present day, with emphasis upon the important literary movements. Reading of selections representing literary forms and periods not covered in other courses. Alternates with Course 57. 58; given in 1942-43. *Two credit hours.* MR. VIGNERAS

Italian

1-2. Elementary Italian.—A course for beginners. The basic principles of Italian grammar, pronunciation, dictation, and oral practice, with especial emphasis on reading. Alternates with Course 3. 4. *Three credit hours.* MR. STARR

3. 4. Modern Italian Prose.—Reading of selections from representative authors of the nineteenth and twentieth centuries. Review of grammar, composition, and oral practice. Alternates with Course 1-2; given in 1942-43. *Three credit hours.* MR. STARR

52. Dante.—This course may be given in place of Italian 4 when there is sufficient demand. *Three credit hours.* MR. STARR

Spanish

1-2. Elementary Spanish.—A course for beginners. The basic principles of Spanish grammar, pronunciation, dictation, and oral practice, with especial emphasis on reading. *Four credit hours.*

MISS ARNOLD, MR. KLEIN, MR. STARR, MISS HAMILTON

1a-2a; 2b. Elementary Spanish.—Similar in content to Course 1-2 but extends through three semesters and includes a larger amount of reading. Begins in the second semester and is continued through the following year. *Three credit hours.* MR. KLEIN, MR. STARR

3. 4. Modern Spanish Prose.—Acquisition of facility in the reading of ordinary Spanish prose of the modern period. Review of grammar, study of idioms, and oral practice. For second-year students. *Three credit hours.*

MISS ARNOLD

5. 6. Elementary Conversation and Composition.—Acquisition of a practical vocabulary by means of exercises based upon Spanish newspapers. Grammar review and translation into Spanish. For third-year students or for second-year students taking concurrently Course 3. 4. *Two credit hours.*

MISS ARNOLD

7. Commercial Spanish.—The forms of private and commercial correspondence and the vocabulary used in the business world. Reading of selections dealing with industrial and commercial life. Given occasionally. *Two credit hours.* MISS ARNOLD

9. 10. Rapid Reading Course.—A continuation of Course 3. 4 designed especially to promote facility in reading. The material read, consisting largely of narratives, will be limited to the modern period. *Two credit hours.* MISS ARNOLD

26. Current Spanish Literature.—The reading of contemporary authors, especially in magazine articles. *Two credit hours.* MISS ARNOLD

51. 52. The Novel and Drama.—Representative novelists and dramatists from the "Golden Age" of Spanish letters to the twentieth century, including specimens of Spanish-American literature. Alternates with Course 57. 58. *Three credit hours.* MISS ARNOLD

57. 58. Survey of Spanish Literature.—The development of literature in Spain and Spanish America, and the reading of selections from important authors especially of the earlier periods. Alternates with Course 51. 52. *Three credit hours.* MISS ARNOLD

SPEECH

PROFESSOR BAILEY; ASSOCIATE PROFESSOR RUNION; ASSISTANT PROFESSOR BRICKER; MR. ROBERTS; MR. MENNES

The primary function of the Department of Speech is to offer courses in all phases of speech education, including formal and informal speech, debate, radio, voice, speech correction, expression, and theatre.

Within the field of speech it is possible to plan either a Speech or a Theatre major, emphasizing the phase of work of most interest to the student. The student is advised, however, to have a broad general background in speech, especially if he desires to teach speech in the high school.

For all majors in Speech both an oral and written comprehensive examination is required.

Students interested primarily in the theatre are required to give a recital of approved standard, or direct, or take part in a major role in a dramatic production. Major students other than those interested in the theatre are expected to present a forty-five minute address before some civic organization such as a service club, church organization, or similar group.

Basic courses in Speech required of all majors are Sh 1 (2), Sh 3 (4), Sh 7, and Sh 15.

Courses in Speech, Radio, Debate

0. Speech Correction.—Open to students with speech defects. The method of instruction is largely individual. *No credit.* MR. RUNION

1 (2). Public Speaking.—The student is taught to organize material and to deliver short extemporaneous speeches. Each student is required to have a recording made of his speech. *Two credit hours.*

THE STAFF

3 (4). Debate.—Questions of state, national, and international importance are debated in class. Students expecting to do advanced work in debating are advised to take this course as early in their college career as possible. Open to freshmen. *Two credit hours.* MR. RUNION

6. Persuasive Speech.—Course 6 is a continuation of Course 1. The object of the course is to train students to organize their material persuasively, to continue extemporaneous speaking, and to give the student practice in organizing and delivering oral reports. Prerequisite, Course 1 (2). *Two credit hours.* THE STAFF

7. Interpretative Reading.—The oral presentation of selections from prose, poetry, and drama. Choral Reading and Program Reading are also considered. This course is recommended especially to the teacher of English who may wish to improve his oral interpretation of literature. Open to freshmen. *Two credit hours.* MR. BAILEY

8. Program Reading.—A continuation of Course 7 with emphasis upon program building. Choral reading, plays, and longer readings are the material for the course. Outstanding textbooks in the field of Interpretation are discussed and reviewed. Prerequisite, Course 7 or permission of instructor. *Two credit hours.* MR. BAILEY

12. Parliamentary Law.—Principles of parliamentary procedure and methods of conducting a meeting. The class organizes as a parliamentary society, constructing and adopting a constitution and by-laws. Each student has an opportunity to preside. No prerequisite. *One credit hour.*

MR. RUNION

19. 20. Advanced Debate.—Advanced work in debate for the student who wishes to direct or teach debating, or take part in intercollegiate debate. An individual program is worked out for each student enrolled. Prerequisite, four hours in speech courses or permission of the instructor. *One credit hour.* MR. RUNION

21 (22). Radio Speaking.—Effective radio speaking, with emphasis on voice, diction, and enunciation. Analysis of current radio programs; the writing of radio scripts, sports, news, and commercial copy. Participation in radio programs broadcast from the studios on campus. Prerequisite, Course 1, or permission of instructor. *Two credit hours.* MR. ROBERTS

42. Pre-Legal Speaking.—Designed primarily for those who plan to study law. Court room procedure is followed. Each student acts as prosecuting and defense attorney, judge, and witness. Legal briefs are prepared. Trips are made to a circuit court in Bangor. Prerequisite, Course 1 (2). Given in 1941-42 and alternate years. *Three credit hours.* MR. RUNION

43 (44). Advanced Radio Speaking (Techniques of Radio Broadcasting).—A continuation of 21 (22) with special emphasis on production, program planning, writing, advertising, drama, journalism, and education as applied to radio. Prerequisite, Course 21 (22), or permission of instructor. *Two credit hours.* MR. ROBERTS

46. Advanced Public Speaking.—Practice in the presentation of several longer speeches leading to the making of a forty-five minute address. A review and study of contemporary speeches. Prerequisite, Course 1, 3, or 6. Given in 1942-43 and alternate years. *Two credit hours.* MR. RUNION

52. Vocal Development.—The aims of this course are to improve the voice and to give training in distinguishing correct and defective sounds. The phonetic symbols of the International Phonetic Association are used. Prerequisite, Course 1 (2) or 7. Given in 1941-42 and alternate years. *Two credit hours.* MR. RUNION

59. Theory of Speech Composition.—Historical and critical survey of rhetorical theory from Aristotle to the present time with particular attention to Aristotle, Cicero, and Quintilian. Open to juniors and seniors. Given in 1942-43 and alternate years. *Three credit hours.* MR. RUNION

67. Speech Pathology.—The symptoms, causes, and treatments of disorders of speech and voice. Stuttering, articulatory defects, and aphasia are included. Open to juniors and seniors. *Three credit hours.*

MR. RUNION

70. Teaching of Speech.—Consideration of teaching problems and technique with special emphasis on the speech program in the secondary schools. Supervision of extracurricular activities in speech. Study of textbooks. Open to juniors and seniors or by permission of instructor. *Three credit hours.* MR. RUNION

Courses in Theatre

The Maine Masque Theatre presents four major productions each year. All drama majors are expected to participate in these productions, using the Theatre as a practical training ground. This work is supplementary to the regular course requirements, and no credit is given. Each major is required to serve as an assistant stage manager and as a stage manager during his undergraduate course.

All undergraduate students in the University are eligible to read for plays to be produced and may participate in the other departments of the Theatre.

9 (10). Theatre Appreciation.—Topics presented: dramatic theory and criticism, problems of our theatre today, actors, scene designers, directors, producers, playwrights, etc. Required of drama majors. Open to all university students. *Two credit hours.* MR. BRICKER

15 (16). Elementary Acting.—Fundamentals in theory and in practice. Public recitals for students who have attained a sufficient degree of technique. Open to all university students. *Four hours a week. Three credit hours.* MR. BRICKER

17 (18). Stagecraft.—Practical experience in building and painting scenery, and in backstage production. Open to all university students. *Four hours a week. Three credit hours.* MR. MENNES

28. Scene Designing and Lighting.—The artistic principles of scene designing and lighting. Lectures and exercises. Prerequisite, Course 17. *Two credit hours.* MR. MENNES

30. Advanced Acting.—Acting technique. An opportunity to study several roles during the year. Public recitals. Prerequisite, Course 15. *Four hours a week. Three credit hours.* MR. BRICKER

32. Costume.—Costume designing for definite play characters. Conference and laboratory. Prerequisite, Course 28. *Two credit hours.* MR. MENNES

35. Make-up.—Practice in making up all types of characters. *Two hours a week. One credit hour.* MR. BRICKER

37. 38. a-g.—Theatre Projects.—Advanced work in one or more of the following divisions:

37a. 38a. Acting. **37b. 38b. Designing.** **37c. 38c. Costuming.**
37d. 38d. Lighting. **37e. 38e. Directing.** **37f. 38f. Make-up.**
37g. 38g. Radio.

Students are not usually permitted to take more than six hours of work in this course. Permission of instructor. Two credit hours. THE STAFF

39, 40. Stage Directing.—The principles of stage directing, both theory and practice. Permission of instructor. *Two credit hours.*

MR. BRICKER

54. Stage History.—History of the stage from the days of the Greeks to our own times, with special emphasis on the history of the English and American stage. Lectures, discussions, readings, and special reports. *Two credit hours.*

MR. BAILEY

The following courses are available for theatre majors :

He 3. Design. (See Department of Home Economics.)

He 61. History of Costume. (See Department of Home Economics.)

Md 1. Fundamentals of Drafting. (See Department of Engineering Drafting.)

Md 2a. Drafting. (See Department of Engineering Drafting.)

Pe 1a. 2a. Modern Dance, Elementary. (See Department of Physical Education and Athletics.)

TYPEWRITING AND SHORTHAND

Gc 7 (8). Typewriting.—A beginning course in touch typewriting. Practice in the correct arrangement of business letters, use of carbon, addressing envelopes, tabulation, theme writing, cutting stencils, and in other business forms. *Three hours a week. No credit.* DELIA H. PAGE

Gc 9; 10. Shorthand.—A beginning course covering the principles of Gregg Shorthand. Special attention to transcription. *Three hours a week. No credit.* DELIA H. PAGE

ZOOLOGY

PROFESSOR MURRAY ; ASSOCIATE PROFESSOR SPEICHER ; ASSISTANT PROFESSORS COOPER AND FULLER ; DR. FLYNN ; MISS RAYE ; MISS MACBRIDE

Zoology is the branch of biological science which deals with the study of animal life. A knowledge of the general principles of zoology is prerequisite to an understanding of the relationships which exist between man and his natural environment, and serves as a basis for the study of the mental and social side of human behavior.

The Department offers curricula which satisfy the requirements for admission to graduate, medical, dental, and nursing schools.

Course 1 and Botany 2, or Course 3; 4 are prerequisite to all advanced courses in the department.

1 (2). General Zoology.—A one-semester course in fundamentals of the subject illustrated by laboratory studies with emphasis on the vertebrates. Designed for students in the College of Agriculture. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. FULLER and Assistants

3; 4. Animal Biology.—A two-semester course covering the types and principles of animal life, supplemented by laboratory exercises. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. SPEICHER and Assistants

7. Principles of Zoology.—For the non-major student. Emphasizes those fields of biology which directly affect man and his society. No formal laboratory work, but an opportunity is given for observation and study of selected biological material. Classroom, *two hours a week*; demonstration period, *two hours a week*. *Three credit hours*.

MR. FLYNN

9. Ichthyology.—The characteristics of fishes, their life histories and economic importance, with emphasis on fresh-water species. Lectures, supplemented by laboratory study and dissection. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. COOPER

10. Ornithology.—The characteristics of birds, their life histories and economic importance. Lectures, laboratory study of skins and mounted specimens, and field identifications. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. COOPER

12. Anatomy and Physiology.—The general principles of animal life with special consideration of the structure and functions of the human body. Restricted to women students. Classroom, *three hours a week*; laboratory, *four hours a week*. *Five credit hours*.

MR. FULLER and Assistants

12a. Kinesiology.—The muscular system as related to body movement. Given in 1941-42 and alternate years. Classroom, *one hour a week*; laboratory, *two hours a week*. *Two credit hours*.

MR. FULLER

13. Mammalogy.—The characteristics of mammals, their life histories and economic importance. Lectures supplemented by laboratory study and dissection. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.

MR. MURRAY

15; 16. Comparative Anatomy.—A comparative study of the structure, origin, and history of the vertebrate organ-systems. Prerequisites, Zoology 1 and Botany 2, or Zoology 3; 4, passed satisfactorily. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. MURRAY, MR. FLYNN

17. Animal Parasitology.—The identification, life histories, economic importance, and methods of control of animal parasites, with special emphasis on parasites of man and game animals. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.

MR. COOPER

18. Vertebrate Embryology.—The development and formation of tissues, organs, and organ-systems in vertebrates. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. FLYNN

19. Fish Management.—Modern methods of fish management including propagation and distribution, fisheries legislation, biological surveys, and environmental improvements. Prerequisites, Zoology 9 and Entomology 26. First nine weeks of the first semester. Lecture, *one hour a week*; laboratory, *three hours a week*. *One credit hour*.

MR. COOPER

20. Fish Management.—Continuation of 19. Lecture, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*.

MR. COOPER

37; 38. General Physiology.—The physico-chemical aspects of life and the integrative factors in higher animals. Prerequisites, two years of chemistry, one year of physics, one year of biology. Classroom, *two hours a week*; laboratory, *four hours a week*. *Four credit hours*.

MR. FULLER

41. Histology.—Animal tissues and the methods of preparing microscopic slides. Admission by permission of instructor. Classroom, *one hour a week*; laboratory, *six hours a week*. *Three credit hours*.

MR. SPEICHER

44. History of Biology.—The more important generalizations concerning the biological sciences, designed to portray the growth and development of biological knowledge as a phase of intellectual culture, and to indicate the value of such knowledge to human welfare. Classroom, *two hours a week*. *Two credit hours*.

THE STAFF

47. 48. Problems in Zoology.—Open to juniors and seniors who have special interest and special qualification in some branch of zoology. Admission by permission of the instructor concerned. *Credit arranged*.

THE STAFF

55. 56. Zoology Seminar.—A consideration of the current literature. Required of all senior majors and graduates majoring in zoology. *One credit hour*.

THE STAFF

66s. Marine Invertebrate Zoology.—A six weeks' summer course given at the University of Maine Biological Laboratory, at Lamoine, with dormitory and class facilities on the premises. Lectures, laboratory work, and semi-weekly field trips cover the form, function, life history, classification, and habitats of living salt water invertebrates. A descriptive pamphlet is available upon application to the Director. *Six credit hours.*

MR. SPEICHER and Assistants

Opportunity is given for graduate work in the various phases of zoology. Students with adequate preparation may register for the following courses with credit arranged.

105. 106. Problems in Zoology.

111. 112. Problems in Physiology.

109. Ichthyology; 110. Ornithology; 113. Mammalogy; 114. Parasitology; 115-116. Anatomy; 118. Embryology; 119-120. Fish Management; 121-122. Animal Ecology; 137-138. Physiology; 141. Histology.

125. Graduate Thesis.

SCHOOL OF EDUCATION

GENERAL INFORMATION

The School of Education offers professional training to secondary teachers, superintendents, principals, and supervisors. Students will ordinarily enter with junior standing, having had the first two years of work in either a liberal arts college or a normal school. Those with a different type of training may enter as special students until junior standing is attained.

ADMISSION

Students in the College of Arts and Sciences

Those students in the College of Arts and Sciences of the University of Maine who plan to teach are given the opportunity to transfer to the School of Education at the beginning of their junior year. Such students should take the regular course as prescribed by the College of Arts and Sciences during the freshman and sophomore years, including in particular the course in General Psychology and such basic courses in other fields as will lay the foundation for a field of concentration.

At the beginning of the sophomore year, such students should register their intention to teach in the office of the Dean of the School of Education, and secure his approval as well as the approval of the Dean of the College of Arts and Sciences for their courses of study. Students of other colleges on the campus may also transfer with appropriate amounts of credit provided their records have been satisfactory.

To be admitted to the School of Education, students must have made a grade of C or better in at least three-fourths of their entire work during the freshman and sophomore years.

These students will receive the degree of Bachelor of Arts in Education or Bachelor of Science in Education on the completion of their program in the School of Education.

Normal School Graduates

Students in the normal schools who wish to qualify for the Maine secondary-school teacher's certificate should plan to transfer to the University

at the end of their second year at the normal. Such students who rank in the upper half of their class and are recommended by their principal may be admitted to the School of Education with full junior standing, and may graduate on the satisfactory completion of two years of work.

Graduates of the three-year courses in the normal schools, who rank in the upper half of their classes and are recommended by their principal, may be admitted to the School of Education with senior standing and may graduate on the satisfactory completion of one year of work. This program will not, however, qualify one for the secondary-teacher's certificate because the latter now requires at least two years of college work.

All normal-school graduates will be expected to meet the requirement of a field of concentration in academic subjects, except that those who plan to enter administrative or supervisory work, or to remain in elementary school work, may be permitted to take this work in Education and Psychology. In either case any work previously taken at the normal school which lies within the field chosen will be given due credit toward the requirements.

Normal-school graduates who are interested in entering the School of Education should request their principal to send a transcript of their record together with a statement giving their class rank to the Director of Admissions of the University. These should be accompanied by a recommendation of the candidate by the principal.

Students who come from the normal schools will ordinarily be candidates for the Bachelor of Science in Education degree.

Graduates of other types of teacher-training institutions will be considered on their merits as special cases.

Commercial Education

An arrangement has been made with the State Department of Education whereby graduates of the teacher-training departments of approved commercial schools may receive appropriate credit toward the degree of Bachelor of Science in Commercial Education. For further information inquiries should be addressed to the office of the School of Education.

A special curriculum in commercial education has been adopted by Westbrook Junior College whereby approved graduates of the three-year course at Westbrook may transfer to the University and receive appropriate credit toward a degree in this field.

Art Education

Students who complete an approved three-year curriculum in the Portland School of Fine and Applied Art and the Westbrook Junior College may

transfer to the University with full credit and complete a curriculum which leads to the degree of Bachelor of Science in Fine Arts Education.

Music Education

Students who complete an approved two-year curriculum at the Northern Conservatory of Music in Bangor may transfer to the University with appropriate credit and complete in two years a curriculum which leads to the degree of Bachelor of Science in Music Education.

GRADUATION REQUIREMENTS

The equivalent of 125 hours of college work is required for graduation. Three-fourths of the work done in the School of Education must be completed with grades of C or better.

It is expected that this proportion of C grades or better be maintained throughout the student's curriculum in the School of Education.

If, at the completion of 125 hours, the student has failed to maintain this proportion of C grades or better, the Dean shall determine whether and in what manner the deficiency may be made up. In no case may the student take more than six additional hours to satisfy the graduation requirement.

Approximately 24 hours will be required in Education and Psychology, and 40 to 50 hours in the field of concentration, all of which must be carried with a grade of C or better.

Professional Subjects Required

- Ed 29 (or 30)—Practice Teaching
- Ed 49 (or 50)—Seminar in Education
- Ed 51 (or 54)—History of Education
- Ed 59 (or 60)—Principles of Secondary Education
- Ed 65 (or 66)—Educational Measurement
- Ed 77 (or 78)—Principles and Methods of High School Teaching
- Py 1, 2.—General Psychology
- Py 66—Educational Psychology
- Special Methods (one such course to be selected in a subject within the field of concentration)

Transfer students should plan to take a minimum of two courses in Education at the University regardless of the amount transferred.

Besides these specific requirements in strictly professional subjects, students will be strongly advised to take general courses in a number of subjects of vital importance as a part of the background of any teacher or educator, such as biology, economics, English, history and government, and sociology.

Field of Concentration

In order better to meet the needs of the typical high-school situation, the traditional requirement of a single major subject is replaced by that of a field of concentration in the academic subjects. This field of concentration must include a minimum of 40 to 50 semester hours in a group of related subjects commonly taught in the secondary schools, the exact amount to depend on the number and character of the subjects combined, and the quality of the work done. This work must be carried with a grade of C or better to qualify for a degree in Education, and must be acceptable to the heads of the departments in which it is taken.

This requirement applies to all students whether working for the Bachelor of Arts in Education or the Bachelor of Science in Education degree. Those, however, who have had teaching experience and who plan to enter administrative, supervisory, or elementary-school work may be permitted to carry their field of concentration in Education and Psychology instead of academic subjects.

Combinations of subjects which occur frequently in the secondary schools are as follows: French and Latin; English and History; Mathematics and the Natural Sciences; English and Latin; English and French; History and Latin; English, French, and Latin; English, History, and Latin; English, History, and French; History, Civics, Economics, and Sociology.

Subjects which occur in a large variety of combinations are Physical Education, Music, Debating, and Dramatics. Each student will be expected to take sufficient work to attain proficiency in at least one of these fields.

COMPREHENSIVE EXAMINATION

Seniors in the School of Education will take a comprehensive oral examination in the subject of education, to be given individually by arrangement during the month of May. Non-resident and summer session students will also be expected to take the examination.

The main purpose of this requirement is to enable students in education to develop a better integration of their professional training and outlook. To

facilitate this purpose and to compensate in part for the lack of a tutorial system which usually accompanies a system of comprehensive examinations, Education 49 (50), is required of students one semester during their senior year.

HONORS COURSE

Attention is called to the tutorial honors course which is open to superior students in education who may desire to supplement their field of concentration by study under individual tutorial guidance. A fuller description of this course is to be found at the beginning of the section on General Courses.

RESIDENCE REQUIREMENT

A minimum of thirty semester hours of credit must be earned while in residence at the University to qualify a candidate for a degree. This requirement may be met by one academic year of residence, or in case of teachers by attendance in summer sessions. Five summer sessions may be accepted as the equivalent of one academic year provided the work is of distinctly high quality. In either case, this requirement must ordinarily be met after the student has become a candidate for a degree in the School of Education.

Exceptions to these rules will not be permitted except by a vote of the faculty.

A maximum of sixteen semester hours may be earned toward a degree by extension work, of which not over eight hours may be taken by correspondence. The amount permitted will be in proportion to the total amount of time spent at the University.

DEGREES

(1) Bachelor of Arts in Education. This degree will be given to students who do the first two years of work in the College of Arts and Sciences, or the equivalent thereof, meet their entrance requirements, and their curricular requirements for the first two years. Candidates for this degree will be required to complete a minimum of 40 to 50 hours in a group of related academic subjects which are commonly taught in the public schools, with a grade of C or better.

(2) Bachelor of Science in Education. This degree will be given to students who are admitted from normal schools with advanced standing. Requirements for the degree will include a field of concentration in the academic subjects as for the B.A. degree, and the same professional courses. In meeting both these requirements, however, due credit will be given for the courses which have been previously taken in the normal-school course.

(3) Bachelor of Science in Commercial Education. This degree has been established for graduates of approved teacher-training departments of commercial schools in Maine, who transfer to the School of Education on the completion of their course and complete the course approved for this degree.

(4) Bachelor of Science in Fine Arts Education. This degree is awarded to students who have completed the combined course of study at the Portland School of Fine and Applied Art and Westbrook Junior College and the final year of work as prescribed at the University of Maine.

(5) Bachelor of Science in Music Education. This degree is awarded those who have completed the combined curriculum at the Northern Conservatory of Music, in Bangor, and the University.

COURSES OF INSTRUCTION

Courses designated by an odd number are given in the fall semester, those designated by an even number, in the spring semester.

When a course is offered in the first semester and also repeated in the second, it is designated by two numbers, the second of which is in parenthesis.

A period between the numbers designating a two-semester course indicates either semester may be taken for credit.

Courses numbered 1-50 are for undergraduates only; courses numbered 51-100 are primarily for upperclassmen and graduates; courses numbered above 100 are primarily for graduates.

For courses in Psychology, see Department of Psychology in the College of Arts and Sciences.

PROFESSORS LUTES, CHADBOURNE, AND SMITH; ASSOCIATE
PROFESSORS JACKMAN AND CRAWFORD

29 (30). Supervised Student Teaching.—A course in student teaching in academic subjects. Open to a limited number of seniors recommended by the Dean of the School of Education and approved by the heads of the academic departments. Preference is given to those who have completed Education 77 or 78. *Five hours a week. Three credit hours.* MR. JACKMAN

29a. Supervised Teaching in English.—Supervised tutoring of small groups of freshmen deficient in the mechanics of composition. The tutoring is preceded by a study of methods for correcting poor habits of writing and of teaching composition. Open to seniors whose major subject is English. *Two hours a week through December. One credit hour.*

MR. JACKMAN, MISS OLIVER

49 (50). Education Seminar.—This course is required of seniors in education one semester, and is designed to help integrate the various courses in education for the comprehensive examination. *Three credit hours.*

THE DEPARTMENT STAFF

50a. The Teacher and Social Understanding.—A course designed to acquaint the prospective teacher with some of the problems of adjustment in school and community. *One credit hour.* MR. SMITH

51. History of Education in the United States.—The evolution of education, educational institutions, school systems and practices of the American people. Open to juniors and seniors. *Three credit hours.*

MISS CHADBOURNE

54. *History of Modern Education.*—Evolution of present-day educational theory; institutions and practices of modern civilizations from the time of the Reformation up to the present. Open to juniors and seniors. *Three credit hours.* MISS CHADBOURNE

56. *Maine School Law.*—The present-day Maine school law and the steps by which it has been evolved. Primarily for seniors and graduate students. *Two credit hours.* MISS CHADBOURNE

59 (60). *Principles of Secondary Education.*—The application of the principles of education with special reference to the problems of high-school teaching. The aims of secondary education in a democracy in terms of skill, knowledge, tastes, and ideals. Primarily for juniors and seniors. Open to sophomores by permission. *Three credit hours.* MR. LUTES

62. *Secondary School Administration and Supervision.*—A practical course for prospective high-school principals and supervisors. Problems of organization, teacher selection and rating, improvement of teachers in service, salary schedules, extracurricular activities, testing programs, and techniques of supervision are considered. Primarily for seniors. Open to others by permission. *Three credit hours.* MR. LUTES

63. *Junior High School Education.*—Theory of the junior high school based upon the psychology of adolescence, and the consequences of the theory in the formation and treatment of the curriculum. Open to juniors and seniors. Given in 1943-44 and alternate years. *Two credit hours.* MR. JACKMAN

65 (66). *Educational Measurements.*—An introduction to educational measurements including principles of measurements, informal and standardized educational tests, group mental tests, and the uses of elementary statistics in educational measurements. Open to juniors and seniors. *Three credit hours.* MR. CRAWFORD

68. *Educational and Vocational Guidance in Secondary Schools.*—The general problem of guidance in junior and senior high schools, with especial reference to the vocational phase, organization for guidance, necessary materials and techniques of counseling. Open to juniors and seniors. *Three credit hours.* MR. JACKMAN

71. *Psychology of Secondary Education.*—The adolescent age and its characteristics. Psychological principles which determine the scope and character of secondary education. Open to students who have passed Psychology 1, 2 with a grade of C; to others by permission. *Three credit hours.* MR. LUTES

74. *Extracurricular Activities in the Secondary School.*—The nature and scope of non-academic cultural and recreational activities related to the needs of adolescence, and the development of a technique for their promotion, and for their correlation with the usual academic courses. Given in 1943-44 and alternate years. *Two credit hours.* MR. JACKMAN

75. *Teaching the Social Studies in Secondary Schools.*—For the prospective teacher of the social sciences. Development of a point of view and vital methods of presentation that will tend to make these subjects effective in the everyday problems of living. Open to juniors and seniors. Given in 1942-43 and alternate years. *Two credit hours.* MR. JACKMAN

77 (78). *Methods of Teaching in Secondary Schools.*—A general course in methods for prospective high-school teachers. Open to seniors and juniors who have had General Psychology. *Three credit hours.* MR. JACKMAN

80. *Current Issues in American Education.*—Public education in relation to present social, industrial, and economic backgrounds and a consideration of certain internal educational issues that emerge from present changing conditions. *Two credit hours.* MR. SMITH

81. *Supervision in the Elementary School.*—The theory of supervision in general and specific methods of supervision of the prominent elementary-school subjects will be considered. Open to normal-school graduates and students with teaching experience. Others by permission. *Three credit hours.* MR. CRAWFORD

84. *Administration of the Elementary School.*—For prospective superintendents and elementary-school principals. Open to normal-school graduates and students with teaching experience; to others by permission. *Three credit hours.* MR. CRAWFORD

87. *The Secondary School Curriculum.*—An inquiry into current tendencies of secondary school curricular reorganization. Given in 1942-43 and alternate years. *Two credit hours.* MR. JACKMAN

93. *Remedial Reading.*—Methods of determining reading ability, and of preventing, analyzing and correcting reading difficulties. This course assumes a knowledge of either or both educational psychology and educational measurements. *Two credit hours.* MR. CRAWFORD

95. 96. *Philosophy of Education.*—For seniors and graduate students. Designed primarily for the reading and discussion of conflicting factors in education with a view to their criticism and coordination. *Two credit hours.* MISS CHADBOURNE

97. 98. *Current Problems in Education.*—Each student is assigned special problems in the field of education. Primarily for majors in education. Open by permission to others. Seniors only *Two credit hours.*

MR. LUTES AND STAFF

99. *The Supervision of Schools.*—This course is open only to experienced teachers or administrators, or to students who have had at least 12 hours of Education. *Two credit hours.*

MR. SMITH

105. *Methods of Research in Education.*—Principles and techniques of educational research. Opportunity will be afforded to use thesis problems to illustrate the principles and techniques emphasized in the course. Required of graduate students majoring in education but open to others. *Two credit hours.*

MR. LUTES

COLLEGE OF TECHNOLOGY

The College of Technology offers a well-rounded education for the ambitious, properly prepared young man with an aptitude for mathematics, physics, and chemistry. The various curricula are so arranged that training in the basic sciences during the early part of the course is later applied to problems in the field of study which the student elects at the beginning of the sophomore year.

This scientific and technical work, accompanied by courses in English and Public Speaking, Economics and Psychology, or other groups of electives, prepares the student, upon graduation, for an administrative career as well as for purely professional work. Emphasis is placed on study and interests which will promote the engineer's active participation in the civic and social life of his community. The student should not elect non-technical courses indiscriminately among non-related subjects but should confine such studies to those which naturally fall in the same group, as (1) mathematics and science, (2) economics and psychology, (3) history, psychology, and sociology, (4) foreign language, (5) literature.

The College of Technology, which confers the degree of Bachelor of Science upon completion of any of its curricula, provides technical instruction in the following:

- Chemistry
- Chemical Engineering
- Chemical Engineering (Pulp and Paper Division)
- Civil Engineering
- Electrical Engineering
- Engineering Physics
- General Engineering
- Mechanical Engineering

For Agricultural Engineering, see page 92.

Attention is called to the Tutorial Honors course (see section on General Courses) which is open to superior students in engineering who may desire to supplement their field of concentration with study under individual tutorial guidance.

The freshman year (see page 223) is common to all engineering courses and chemistry.

Orientation lectures and conferences with faculty advisers during his first year are designed to assist the freshman in the final selection of his course.

Superior students (selected by the Department of Mathematics and the College of Technology) take Mathematics 11 and 12 in the freshman year, and Mathematics 7a and 8a in the sophomore year.

The following requirements for graduation are common to all curricula in this college:

1. A total of 143 credit hours exclusive of Military Training 1, 2, 3, and 4, and Physical Training. Three of these hours may be allowed for thesis and eight for advanced military. Of the courses required for graduation, in which letter grades are given, 105 hours must be passed with a grade of C or above; or, in the case of those students who are excused from Military or who enter with advanced standing from other institutions, 70 per cent of the credit hours offered for graduation, in which letter grades are given, must be passed with a grade of C or above. This ratio of hours should be maintained throughout the course from the beginning.

2. Drawing, four credit hours.

3. Language: English and Public Speaking, twelve credit hours with a minimum of two credit hours and a maximum of four credit hours of Public Speaking.

4. Mathematics, eighteen credit hours.

5. Military science, seven credit hours. Physical Training, two years.

6. Science: Chemistry, eight credit hours; Physics, ten credit hours.

7. Comprehensive Examinations:

Qualifying examinations for sophomores are given at the end of the sophomore year and used as a guide, in conjunction with the actual student grades, to determine fitness to undertake the professional studies of the junior and senior years.

A comprehensive examination, which is given to all seniors, must be passed to the satisfaction of the major department.

For master and professional degrees, see the section on Graduate Study.

Course Expenses

The following statement about the expenses incurred by students in the College is intended to supplement the material contained in the section on expenses, beginning on page 67.

For College of Technology students the minimum and maximum course expenses (inclusive of required equipment, books, and supplies, but exclusive of Military deposit) are indicated in the following table:

	Fall Semester	Spring Semester
Freshmen	\$50.00*	\$7.00
Sophomores	20.00-42.00	11.00-20.00
Juniors	22.00-43.00	10.00-23.00
Seniors	20.00-39.00	10.00-28.00

* Includes \$18.50 for drawing equipment, which is used in all drawing courses.

In Chemistry and Chemical Engineering courses, students are required to pay for all apparatus broken or lost and for certain non-returnable supplies. Breakage cards at \$3.00 each are obtainable at the Treasurer's office. Unused portions will be refunded at the end of the semester on obtaining clearance at the chemistry storeroom.

Civil Engineering Summer Camp tuition for University of Maine students is \$15.00. All other students are charged regular Summer Session tuition.

Freshman Year

Common to all engineering courses and Chemistry

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
Ch	1	Gen. Chemistry	2	4	4	Ch	2	Gen. Chemistry	2	4	4
Eh	1	Freshman Comp.	3	0	3	Eh	2	Freshman Comp.	3	0	3
Md	1	Funds. Draft.	0	4	2	Md	2	Ely. Mach. Draft.	0	4	2
Ms	1	Trigonometry	2	0	2	Ms	6	Anal. Geom.	4	0	4
Ms	3	Algebra	2	0	2	Mt	2	Military	2	1	1½
Mt	1	Military	2	1	1½	Ps	2b	General Physics	4	2	5
Ps	1b	General Physics	4	2	5	Pt	2	Phy. Education	0	2	0
Pt	1	Phy. Education	0	2	0	Gc	6	Orientation	1	0	½
Gc	5	Orientation	1	0	½						

DEPARTMENTS OF INSTRUCTION

Courses designated by an odd number are given in the fall semester; those designated by an even number, in the spring semester.

A course given in the first semester and duplicated in the second semester is designated by two numbers, the second of which is in parenthesis.

Two-semester courses which may be taken either semester are designated with a period between the two numbers (e.g., 1. 2); if the first semester must be taken before the second can be taken, a semicolon is used (e.g., 1; 2); if both semesters must be taken to obtain credit, a dash is used (e.g., 1-2).

Courses numbered 1-50 are for undergraduates only; courses numbered 51-100 are primarily for upperclassmen and graduates; courses numbered above 100 are primarily for graduates.

CHEMISTRY, CHEMICAL ENGINEERING, and PULP AND PAPER TECHNOLOGY

PROFESSORS †BRADT, BRANN, BRAUTLECHT, AND BRAY; ASSOCIATE PROFESSORS JENNESS, †OTTO, AND NOLAN; ASSISTANT PROFESSORS CAULFIELD, *DOUGLASS, AND BOGAN; MR. TOMLIN; MR. MARTIN; MR. BREWER

It is expected that students majoring in this department will maintain work of at least C quality in all technical courses.

For Chemistry, Chemical Engineering, and Pulp and Paper Technology courses in the Summer Session, see the Summer Session Bulletin.

For courses in Biochemistry, see the description of courses given by the Department of Bacteriology and Biochemistry.

Chemistry

The Chemistry curriculum is designed to give the student a thorough understanding of the principles of inorganic, analytical, organic, and physical chemistry and closely related sciences, and a mastery of the techniques and skills essential to successful chemical testing of industrial materials, the development of new products, and the improvement of industrial processes

† On leave of absence.

* Acting Department Head.

involving changes of materials. Throughout the course every effort is made to develop a research attitude in the mind of the student.

Superior students should give serious consideration to continuing their chemical studies at the graduate level.

The student must elect, in addition to the required courses listed, fourteen credit hours in the humanities, that is, in non-specialized courses other than the physical sciences.

Freshman Year See page 223

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab. or Comp.	Cr.				Rec.	Lab. or Comp.	Cr.
Ch	31	Micro-Qual. Anal.	2	3	3	*Ch	22	Intro. Theoret.			
Ch	51	Organic Chem.	3	4	5			Chem.	3	0	3
Ms	7	Diff. Calculus	5	0	5	Ch	40	Quant. Anal.	1	8	4
Mt	3	Military	2	1	2	Ch	52	Organic Chem.	3	4	5
Sh	1	Public Speaking	2	0	2	Ms	8	Int. Calculus	5	0	5
Pt	3	Phy. Education	0	2	0	Mt	4	Military	2	1	2
		Elective		2		Pt	4	Phy. Education	0	2	0

Junior Year

			Rec.	Lab. or Comp.	Cr.				Rec.	Lab. or Comp.	Cr.
Ch	71	Physical Chem.	2	6	5	Ch	72	Physical Chem.	2	6	5
Eh	9	Modern Lit.	2	0	2	Ch	64	Intermed. Quant.			
Gm	19	German for Chem.	3	0	3			Anal.	1	8	4
Ps	17	Int. Physics	3	0	3	Eh	6	Tech. Comp.	2	0	2
		Elective Humanities		5		Gm	20	German for Chem.	3	0	3
						Ps	18	Intermediate			
								Physics	3	0	3
								Elective Humanities		2	

* Recommended elective.

Senior Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
			Comp.						Comp.		
*Ch	49	Thesis			1-3	*Ch	50	Thesis			1-3
*Ch	73	Chem. Microscopy	0	6	2	*Ch	54	Adv. Inorg. Chem.	2	0	2
Ch	85	Chem. Literature	2	0	2		or 56				
Ch	89	Organic Prep.	0	6	2	Ch	84	Metallurgy	3	0	3
Ch	91	Intermed. Organic				Ch	92	Intermed. Organic			
		Chem.	3	0	3			Chem.	3	0	3
Gm	21	German for Chem.	3	0	3	Gm	22	German for Chem.	3	0	3
		Electives			6-4			Electives			8-6

* Recommended elective.

For requirements leading to the degree of Bachelor of Arts in Chemistry, see section devoted to the College of Arts and Sciences.

Courses in Chemistry

1; 2. General Chemistry.—General principles and an introduction to qualitative analysis. C grade is expected of all those intending to major in the department. Classroom, *two hours a week*; laboratory, *four hours a week*. One breakage card. *Four credit hours*. MR. TOMLIN

3; 4. General Chemistry.—For Agriculture students only. The general principles of the science and elements of qualitative analysis. Classroom, *two hours a week*; laboratory, including recitations, *four hours a week*. One breakage card. *Four credit hours*. MR. MARTIN

5. Inorganic Chemistry.—For Home Economics and Arts Nursing students. Inorganic principles. Classroom, *two hours a week*; laboratory, *four hours a week*. One breakage card. *Four credit hours*. MR. BOGAN

22. Introductory Theoretical Chemistry.—Introductory course in the fundamental principles of chemistry. Prerequisite, Course 1; 2. Classroom, *three hours a week*. *Three credit hours*. MR. BOGAN

31. Micro-Qualitative Analysis.—Fundamental principles of analysis as applied to the common cations and anions. Microtechnique. Prerequisite, Course 1; 2. Lectures and recitations, *two hours a week*; laboratory, *three hours a week*. One breakage card. *Three credit hours*. MR. BREWER

40. Quantitative Analysis.—Fundamental principles of gravimetric, volumetric, and electrolytic methods. Prerequisite, Course 1; 2. (Engineer-

ing Physics students may take this course under the heading of 40a, with *one* recitation and *six* hours of laboratory for *three credit hours*.) Classroom, *one hour a week*; laboratory, *eight hours a week*. One breakage card. *Four credit hours*.

MR. BREWER

44. Organic Chemistry.—For Civil Engineering students. Prerequisite, Course 1, 2. Lectures and recitations, *two hours a week*. *Two credit hours*.

MR. BRAUTLECHT

46. Water Analysis.—Prerequisites, Course 1, 2 and parallel registration in Chemistry 44. Laboratory, *three hours a week*. One breakage card. *One credit hour*.

MR. BOGAN

48. Mineralogy and Crystallography.—Prerequisite, Chemistry 31. Given in 1941-42 and alternate years. Classroom, *one hour a week*; laboratory, *four hours a week*. One breakage card. *Three credit hours*.

MR. TREFETHEN

49. 50. Undergraduate Thesis.—Study of a special chemical problem in the laboratory. Original investigation. Open only to seniors. *Hours arranged*. *One to three credit hours*.

THE CHEMISTRY STAFF

51; 52. Organic Chemistry.—Aliphatic and aromatic compounds. Prerequisite, Course 1; 2. Suitable for graduate credit only as a minor subject. (Engineering Physics students may take the fall semester course under the heading of 51a without laboratory for *three credit hours*.) Classroom, *three hours a week*; laboratory, *four hours a week*. One breakage card. *Five credit hours*.

MR. BRAUTLECHT, MR. DOUGLASS

54. Advanced Inorganic Chemistry.—Prerequisite, Chemistry 71. Given in 1941-42 and alternate years. Lectures and recitations, *two hours a week*. *Two credit hours*.

MR. BOGAN

55. Contemporary Chemistry.—Contemporary personalities and contributions in the field of chemistry. Prerequisite, Courses 52 and 72. Lecture, *one hour a week*. *One credit hour*.

MR. BRANN

56. Structure of Matter.—Prerequisite, Course 71. Given in 1942-43 and alternate years. Lectures and recitations, *two hours a week*. *Two credit hours*.

MR. BRANN

57 (58). Principles of Metallography.—Open only to exceptional students. Prerequisite, Course 71; 72. Lectures and recitations, *two hours a week*. *Two credit hours*.

MR. BRADT

61. Technical Analysis.—Analysis of technical products of interest to chemical engineers. Prerequisite, Course 40. Suitable for graduate credit

only as a minor subject. Classroom, *one hour a week*; laboratory, *eight hours a week*. Two breakage cards. *Four credit hours*. MR. BOGAN

64. Intermediate Quantitative Analysis.—Continuation of Course 40. For chemists. Prerequisite, Course 40. Suitable for graduate credit only as a minor subject. Classroom, *One hour a week*; laboratory, *eight hours a week*. Two breakage cards. *Four credit hours*. MR. BOGAN

71; 72. Physical Chemistry.—Detailed study of fundamental principles of chemistry. Prerequisites, Course 40 and Physics 1b, 2b. Calculus is very desirable. Suitable for graduate credit only as a minor subject. (Engineering Physics students may take the spring semester course under the heading of 72a with lecture and computation only for *three credit hours*.) Classroom, *two hours a week*; laboratory, *six hours a week*. One breakage card. *Five credit hours*. MR. BRANN, MR. MARTIN

73; 74. Chemical Microscopy.—The technique of handling and analyzing samples of very small size. Prerequisite, Course 40. Laboratory (including recitations), *six hours a week*. One breakage card. *Two credit hours*. MR. BREWER

84. Metallurgy.—Ferrous and non-ferrous metals and alloys. Prerequisite, Course 71; 72. Classroom, *three hours a week*. *Three credit hours*. MR. MARTIN

85. Chemical Literature.—Prerequisite, Course 51; 52 and senior standing. Classroom, *two hours a week*. *Two credit hours*. MR. MARTIN

89. Organic Preparations.—Prerequisite, Course 51; 52. Suitable for graduate credit only as a minor subject. Laboratory, *six hours a week*. Two breakage cards. *Two credit hours*. MR. DOUGLASS

90. Organic Analysis.—Identification of pure organic compounds. Courses 40 and 51; 52 are prerequisites. Laboratory, *six hours a week*. Two breakage cards. *Two credit hours*. MR. DOUGLASS

91. 92. Intermediate Organic Chemistry.—Prerequisite, Course 51; 52. Recitation, *three hours a week*. *Three credit hours*. MR. BRAUTLECHT

95. Chemical Thermodynamics.—Prerequisite, Course 71; 72. Classroom, *three hours a week*. *Three credit hours*. MR. BRANN

96. Electrochemistry.—Theory and industrial applications. Prerequisite, Course 71; 72. Classroom, *three hours a week*. *Three credit hours*. MR. BRANN

97. 98. Methods of Teaching Chemistry.—For prospective teachers of chemistry. For juniors, seniors, and graduate students. Prerequisite,

Course 1; 2, or the equivalent. Classroom, *two hours a week*. *Two credit hours*.

MR. BRAUTLECHT

101. 102. Investigations in Organic Chemistry.—*Time and credit, arranged.*

THE CHEMISTRY STAFF

103. 104. Investigations in Physical Chemistry.—*Time and credit, arranged.*

THE CHEMISTRY STAFF

105. 106. Investigations in Analytical Chemistry.—*Time and credit, arranged.*

THE CHEMISTRY STAFF

107. 108. Investigations in Inorganic Chemistry.—*Time and credit, arranged.*

THE CHEMISTRY STAFF

125. Graduate Thesis.—*Credit, arranged.*

THE CHEMISTRY STAFF

151. 152. Advanced Organic Chemistry.—Special topics in organic chemistry including plastics. Prerequisite, Course 91. 92 or a B grade in Course 51; 52. Lectures and recitations, *two hours a week*. *Two credit hours*.

MR. DOUGLASS, MR. BRADT

174. Colloids.—Prerequisite, Course 71; 72. Given in 1942-43 and alternate years. Classroom, *two hours a week*; laboratory, *three hours a week*. One breakage card. *Three credit hours*.

MR. MARTIN

193. Electrochemistry.—Advanced laboratory course. Prerequisite, Course 71; 72. Given in 1942-43 and alternate years. Laboratory, *six hours a week*. Two breakage cards. *Two credit hours*.

MR. BRADT

Chemical Engineering

This curriculum is designed to train men in industrial, large-scale plant operation, control and improvement of chemical processes; and fits the graduate for industrial research, production work in chemical plants or development work on new processes.

The program affords both laboratory and actual industrial plant experience in the application of the fundamental principles of chemistry and physics to flow conditions of continuous plant operation. Since all chemical plants use large quantities of mechanical and electrical equipment, additional training is provided in these associated fields.

Freshman Year See page 223**Sophomore Year**

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab. or	Cr. Comp.			Rec.	Lab. or	Cr. Comp.
Ch 31	Micro-Qualitative Anal.	2	3	3	*Ch 22	Intro. Theoret. Chem.	3	0	3
Ch 51	Organic Chem.	3	4	5	Ch 40	Quant. Anal.	1	8	4
ChE 33	Elementary Stoichiometry	3	0	3	Ch 52	Organic Chem.	3	4	5
Ee 31	Electrical Circuits	2	0	2	Ee 32	Elect. Machinery	2	0	2
Ms 7	Diff. Calculus	5	0	5	Ms 8	Int. Calculus	5	0	5
Mt 3	Military	2	1	2	Mt 4	Military	2	1	2
Pt 3	Phy. Education	0	2	0	Pt 4	Phy. Education	0	2	0

Junior Year

		Rec.	Lab. or	Cr. Comp.			Rec.	Lab. or	Cr. Comp.
Ch 61	Tech. Analysis	1	8	4	Ch 72	Physical Chem.	2	6	5
Ch 71	Phys. Chem.	2	6	5	ChE 76	Els. of Chem. Eng.	3	0	3
ChE 75	Els. of Chem. Eng.	3	0	3	*Eh 10	Modern Lit.	2	0	2
Eh 5	Tech. Comp.	2	0	2	*Gm 20	German for Chem.	3	0	3
*Gm 19	German for Chemists	3	0	3	Me 44	Heat Engineering	3	0	3
					*Ps 26	Physical Measure-ments	0	4	2

* Recommended elective.

Senior Year

		Rec.	Lab. or	Cr. Comp.			Rec.	Lab. or	Cr. Comp.
Ch 85	Chem. Literature	2	0	2	*ChE 50	Thesis	Arr		1-3
*ChE 49	Thesis	Arr		1-3	ChE 78	Organ. Tech.	3	0	3
ChE 77	Inorgan. Tech.	3	0	3	ChE 82	Chem. Eng. Lab.	1	4	3
ChE 81	Chem. Eng. Lab.	1	4	3	†ChE 88	Chem. Eng. Practice	0	9	3
†ChE 87	Chemical Eng. Practice	0	9	3	Me 54	Mechanics	3	0	3
Me 41	Mechanical Lab.	0	3	1½					
Me 53	Mechanics	3	0	3					
Sh 1	Public Speaking	2	0	2					

* Recommended elective.

† Either ChE 87 or 88 is required.

With the approval of the head of the department, Advanced Military may be substituted for Ch 22, Ps 26, and Me 41.

Courses in Chemical Engineering

33. Elementary Stoichiometry.—Principles of heat and material balances. Prerequisites, Chemistry 1; 2. Lecture and recitation, *three hours a week*. *Three credit hours*. MR. NOLAN

49. 50. Undergraduate Thesis.—Study of a special chemical engineering problem in the laboratory. Original investigation. Open only to seniors. *Time and credit, arranged*. THE CHEMICAL ENGINEERING STAFF

75; 76. Elements of Chemical Engineering.—Application of unit operations to engineering practice. Prerequisites, C grade in Course 33 for major students and simultaneous enrollment in Chemistry 71. Classroom, *three hours a week*. *Three credit hours*. MR. CAULFIELD

77. Inorganic Technology.—Quantitative application of principles of unit operations and physical chemistry to inorganic processes. Prerequisites, Course 76 and Chemistry 72. Lecture and recitation, *three hours a week*. *Three credit hours*. MR. JENNESS

78. Organic Technology.—Similar to Course 77. Prerequisites, Course 76, Chemistry 52 and 72. Lecture and recitation, *three hours a week*. *Three credit hours*. MR. BREWER

81. 82. Chemical Engineering Laboratory.—Practice in unit operations. Formal reports are required. Prerequisites, Course 76 and Chemistry 72. Classroom, *one hour a week*; laboratory, *four hours a week*. Two breakage cards. *Three credit hours*. MR. CAULFIELD, MR. JENNESS

84. Unit Processes.—The quantitative application of unit operations as used in process work. Prerequisite, Course 81. Classroom, *one hour a week*; laboratory, *four hours a week*. One breakage card. *Three credit hours*. MR. CAULFIELD, MR. JENNESS

87. 88. Chemical Engineering Practice.—Group investigations of the operation of equipment in neighboring industrial plants. Open only to Chemical Engineering students in the senior and graduate years. *Time arranged*. One breakage card. *One to three credit hours*. MR. NOLAN

109. 110. Investigations and Thesis in Chemical Engineering.—Open only to graduate students. *Time and credit, arranged*.

THE CHEMICAL ENGINEERING STAFF

125. Graduate Thesis.—*Credit, arranged*.

THE CHEMICAL ENGINEERING STAFF

175. 176. Chemical Engineering Plant Design.—Design of a plant, including selection of equipment, plant layout and cost analysis. Prerequi-

site, Course 82. Classroom, *three hours a week. Three credit hours.*

MR. NOLAN

178. Chemical Engineering Thermodynamics.—Prerequisites, Course 76 and Chemistry 72. Classroom, *three hours a week. Three credit hours.*

MR. JENNESS

Pulp and Paper Division

The Chemical Engineering (Pulp and Paper Division) curriculum includes all the basic courses in Chemical Engineering and Pulp and Paper Technology, and prepares students for such positions as production foremen, salesmen, research and works-control chemists in the pulp and paper field, and chemical engineering industries.

Courses in mechanical and in electrical engineering are included to familiarize the student with associated engineering fields. Graduates receive the degree of Bachelor of Science in Chemical Engineering (Pulp and Paper Division).

Freshman Year See page 223

Sophomore Year

Same as Chemical Engineering. See page 230

Summer

Subject	Hours	Cr.
Pa 40s Summer Mill Practice	1 to 3	

Junior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab.	Cr.			Rec.	Lab.	Cr.
		or Comp.					or Comp.		
Ch 71	Phys. Chem.	2	6	5	Ch 72	Physical Chem.	2	6	5
ChE 75	Els. of Chem. Eng.	3	0	3	ChE 76	Els. of Chem. Eng.	3	0	3
Eh 5	Tech. Comp.	2	0	2	*Eh 10	Modern Lit.	2	0	2
*Gm 19	German for Chemists	3	0	3	*Gm 20	German for Chem.	3	0	3
Pa 65	Pulp Tech.	3	0	3	Me 44	Heat Engineering	3	0	3
Pa 67	Pulp Mfg.	0	4	2	Pa 66	Paper Tech.	3	0	3
Sh 1	Public Speaking	2	0	2	Pa 68	Paper Mfg.	0	4	2

Senior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab. or Comp.	Cr.			Rec.	Lab. or Comp.	Cr.
*ChE 77	Inorg. Tech.	3	0	3	*ChE 78	Organic Tech.	3	0	3
ChE 81	Chem. Eng. Lab.	1	4	3	ChE 82	Chem. Eng. Lab.	1	4	3
Me 41	Mechanical Lab.	0	3	1½	ChE 84	Unit Processes	1	4	3
Me 53	Mechanics	3	0	3	Me 54	Mechanics	3	0	3
*Pa 49	Thesis	Arr		1-3	*Pa 50	Thesis	Arr		1-3
Pa 83	Chem. Eng. of Pulp and Paper Mfg.	3	0	3	Pa 82	Pulp Coloring and Bleaching	0	4	2
Pa 87	Paper Test. and Anal.	0	4	2	Pa 86	Pulp Test. and Anal.	0	4	2
Pa 89	Pulp and Paper Practice	0	9	3					

* Recommended elective.

Courses in Pulp and Paper Technology

49. 50. Undergraduate Thesis.—Study of a special problem in the laboratory. Original investigations. Open only to seniors. *Time and credit, arranged.*

MR. CAULFIELD AND STAFF

65. Pulp Technology.—Methods of manufacturing wood pulps. Prerequisite, Chemistry 1; 2. Classroom, *three hours a week. Three credit hours.*

MR. BRAY

66. Paper Technology.—Processes for the manufacture of paper. Prerequisite, Course 65. Classroom, *three hours a week. Three credit hours.*

MR. BRAY

67. Pulp Manufacture.—Small-scale production of wood pulps. Prerequisite, Course 65. Laboratory, *eight hours a week for first nine weeks.* One breakage card required. *Two credit hours.*

MR. BRAY

68. Paper Manufacture.—Small-scale production of papers. Prerequisite, Course 66. Laboratory, *four hours a week.* One breakage card required. *Two credit hours.*

MR. BRAY

82. Pulp Coloring and Bleaching.—Prerequisites, Courses 65 and 66. Laboratory, *four hours a week.* One breakage card required. *Two credit hours.*

MR. BRAY

83. Chemical Engineering of Pulp and Paper Manufacture.—Prerequisites, Chemistry 72 and Chemical Engineering 76. Recitation and lecture, *three hours a week. Three credit hours.*

MR. CAULFIELD

86. Pulp Testing and Analysis.—Prerequisite, Course 65. Laboratory, *four hours a week*. One breakage card required. *Two credit hours*.

MR. BRAY

87. Paper Testing and Analysis.—A laboratory course involving physical, microscopical, and chemical testing of various kinds of papers. Prerequisites, Courses 65 and 66. Laboratory, *four hours a week*. One breakage card required. *Two credit hours*.

MR. BRAY

89. Pulp and Paper Practice.—Investigations of the operation of equipment of pulp and paper plants. Prerequisites, Course 65 and 66 and Chemical Engineering 75 and 76. *Time, arranged*. *Three credit hours*.

MR. BRAY

105. 106. Investigations in Pulp and Paper Technology.

MR. CAULFIELD AND STAFF

125. Graduate Thesis.—*Credit, arranged*. MR. CAULFIELD AND STAFF

Summer Mill Practice

40s. Summer Mill Practice.—It is recommended that at least one summer be spent in pulp or paper mill work or its equivalent. Prerequisites, Chemistry 31 and 40 and Chemical Engineering 33. *Time, arranged*. *One to three credit hours*.

MILL STAFF AND MR. BRAY

CIVIL ENGINEERING

PROFESSORS EVANS AND LEAVITT; ASSOCIATE PROFESSOR LYON; ASSISTANT PROFESSORS TREFETHEN AND *BENNETT; MR. RYCKMAN;
MR. TAYLOR; MR. HARRIS

The Civil Engineering curriculum is arranged to prepare young men to take up the work of design and construction of buildings, bridges, transportation facilities, and sanitary systems. Specific phases of the work include Surveying, Geology, Soil Mechanics, Highway and Hydraulic Engineering, and Structural Design. During the senior year students may elect the major part of their work in Highway, Hydraulic or Sanitary Engineering. Additional work is offered in Soil Mechanics and Geology.

Courses in Mechanical and Electrical Engineering are included in the

* On leave of absence, effective January 1, 1942.

program to familiarize the civil engineer with phases of work in these fields frequently encountered in professional practice.

All sophomore Civil Engineering students are required to attend Summer Camp from May 26 to July 3, 1942.

Freshman Year See page 223

Sophomore Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab. or Comp.	Cr.			Rec.	Lab. or Comp.	Cr.
Ce	1	Plane Surveying	2	0	2	Ce	10	Curves and	
Ce	3	Field Work & Plotting	0	9	3			Earthwork	3 0 3
Md	3	Des. Geometry	0	6	2	Ce	16	Geology	2 1½ 2½
Ms	7	Diff. Calculus	5	0	5	Ms	8	Int. Calculus	5 0 5
Mt	3	Military	2	1	2	Mt	4	Military	2 1 2
Sh	1	Public Speaking	2	0	2	Sh	6	Persuasive Speech	2 0 2
Pt	3	Phy. Education	0	2	0	Ps	22	Mechanics & Heat Lab.	0 4 2
		Elective	—	—	—	Pt	4	Phy. Education	0 2 0
								Elective	— — —

Summer Camp

Subject	Hours	Cr.
Ce 11s Highway & Railroad Surveys		3
Ce 23s Geodetic & Topographic Surveying		2
Ce 31s Hydrographic Surveying		1

Junior Year

					Lab. Rec. or Cr. Comp.								Lab. Rec. or Cr. Comp.		
As	11	Pract. Astron.	2	1	2½	Ce	20	Structural & High-							
Ce	25	Eng. Geology	2	1½	2½			way Materials	1	4	3				
Ce	29	Highway Const.	2	0	2	Ce	26	Hydraulics	3	0	3				
Ce	33	San. Eng. &				Ce	52	Theory & Des. of							
		Water Supply	3	0	3			Steel Structures	5	0	5				
Eh	5	Tech. Comp.	2	0	2	Me	52	Mechanics	5	0	5				
Me	51	Mechanics	5	0	5			Elective	—	—	—				
		Elective	—	—	—										

Senior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab.	Cr.			Rec.	Lab.	Cr.
		or Comp.					or Comp.		
Ce 57	Conc. Structures & Foundations	5	0	5	Ce 60	Drafting	0	6	2
Ce 59	Drafting	0	9	3	Ee 36	Alt. Currents	2	0	2
Ee 35	D. C. Machy.	2	0	2	Ee 38	Elec. Lab.	0	3	1½
Me 49	Mech. Lab.	0	3	1½	Ba 16	Business Law	3	0	3
Me 43	Heat Eng.	3	0	3	Highway Electives				
	Highway Electives				Ce 68	Highway Design	0	4	2
Ce 53	Hyd. Eng.	0	2	1	Ce 72	Highway Eng.	2	0	2
Ce 63	Highway Econ.	3	0	3	Hydraulic Electives				
	Hydraulic Electives				Ce 56	Hyd. Eng.	0	4	2
Ce 51	Hyd. Eng.	0	4	2	Me 78	Hyd. Lab.	0	3	1½
Ce 55	Hydrology	2	0	2	Sanitary Electives				
	Sanitary Electives				By 2	Bacteriology	0	6	3
By 3	Bacteriology	2	0	2	Ce 74	Sanitary Eng.	2	0	2
Ce 71	Sanitary Eng.	2	0	2					

Courses in Civil Engineering

1. Plane Surveying.—The general theory of plane surveying and plotting: surveying instruments, their adjustments and use, and the methods commonly used for surveying and plotting. Classroom, *two hours a week*. *Two credit hours*.
MR. TAYLOR

2. Plane Surveying.—Surveying instruments and their use and the various methods commonly used for Plane Surveying. Prerequisite, Mathematics 1. Classroom, *two hours a week for twelve weeks*; field work, *three hours a week* and classroom, *one hour a week for six weeks*. *Two credit hours*.
MR. TAYLOR

3. Field Work and Plotting.—Practice in the use of the tape, compass, transit, and level, followed by practice in the common methods of map drawing. Field and drawing room, *nine hours a week*. *Three credit hours*.
MR. TAYLOR, MR. RYCKMAN

4. Surveying.—The historical background of surveying, the legal principles involved when surveys and resurveys are made, and the common methods employed. Not open to students who have had other surveying courses. Classroom, *two hours a week*; field and office, *three hours a week*. *Three credit hours*.
MR. TAYLOR

6. Land Surveying.—Methods employed by the General Land Office for laying out public lands and such other methods as may have been used by the various states. Prerequisites, Courses 1 and 3. Classroom, *two hours a week*; field work, *nine hours a week during the last six weeks*. *Three credit hours*.
MR. TAYLOR

8. Construction Surveying.—Problems encountered in various types of construction surveying. Prerequisites, Courses 1 and 3. Classroom, *two hours a week during first twelve weeks*; field work, *six hours a week during the last six weeks*. *Two credit hours*.
MR. LYON

10. Curves and Earthwork.—The geometry of simple, compound, and reverse circular curves, transition curves, vertical curves, and earthwork. Prerequisites, Courses 1 and 3. Classroom, *three hours a week*. *Three credit hours*.
MR. LYON

12. Economic Geography.—The geographical aspects of production and trade. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

13. Physical Geology.—The work of streams, glaciers, the seas, and other agents shaping the earth's surface. For the general student, satisfying the science requirement of the College of Arts and Sciences. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

14. Introduction to Regional Geography.—A survey course covering the natural and cultural aspects of the major geographic regions of the world. Given in 1942-43 and alternate years. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

15. Physical Geology Laboratory.—Open only to students registered in Ce 13. Field trips, rock and mineral identification, and map study. Laboratory and field, *one afternoon a week*. *One credit hour*.
MR. TREFETHEN

16. Geology.—Introduction to geologic processes and materials. For students in the College of Technology and College of Agriculture. Classroom, *two hours a week*; laboratory, *three hours a week during the last nine weeks*. *Two and one-half credit hours*.
MR. TREFETHEN

17. Economic Geology.—A general survey of the field of mineral resources, from the standpoint of occurrence and distribution. Classroom, *two hours a week*. *Two credit hours*.
MR. TREFETHEN

18. Historical Geology.—Earth history from the formation of the earth to the advent of man. For the general student, satisfying the science requirement of the College of Arts and Sciences. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

Senior Year

FALL SEMESTER					SPRING SEMESTER						
Subject			Hours		Subject			Hours			
			Rec.	Lab. or Cr. Comp.				Rec.	Lab. or Cr. Comp.		
Ce	57	Conc. Structures & Foundations	5	0	5	Ce	60	Drafting	0	6	2
Ce	59	Drafting	0	9	3	Ee	36	Alt. Currents	2	0	2
Ee	35	D. C. Machy.	2	0	2	Ee	38	Elec. Lab.	0	3	1½
Me	49	Mech. Lab.	0	3	1½	Ba	16	Business Law	3	0	3
Me	43	Heat Eng.	3	0	3	Highway Electives					
		Highway Electives				Ce	68	Highway Design	0	4	2
Ce	53	Hyd. Eng.	0	2	1	Ce	72	Highway Eng.	2	0	2
Ce	63	Highway Econ.	3	0	3	Hydraulic Electives					
		Hydraulic Electives				Ce	56	Hyd. Eng.	0	4	2
Ce	51	Hyd. Eng.	0	4	2	Me	78	Hyd. Lab.	0	3	1½
Ce	55	Hydrology	2	0	2	Sanitary Electives					
		Sanitary Electives				By	2	Bacteriology	0	6	3
By	3	Bacteriology	2	0	2	Ce	74	Sanitary Eng.	2	0	2
Ce	71	Sanitary Eng.	2	0	2						

Courses in Civil Engineering

1. Plane Surveying.—The general theory of plane surveying and plotting: surveying instruments, their adjustments and use, and the methods commonly used for surveying and plotting. Classroom, *two hours a week*. *Two credit hours*.
MR. TAYLOR

2. Plane Surveying.—Surveying instruments and their use and the various methods commonly used for Plane Surveying. Prerequisite, Mathematics 1. Classroom, *two hours a week for twelve weeks*; field work, *three hours a week* and classroom, *one hour a week for six weeks*. *Two credit hours*.
MR. TAYLOR

3. Field Work and Plotting.—Practice in the use of the tape, compass, transit, and level, followed by practice in the common methods of map drawing. Field and drawing room, *nine hours a week*. *Three credit hours*.
MR. TAYLOR, MR. RYCKMAN

4. Surveying.—The historical background of surveying, the legal principles involved when surveys and resurveys are made, and the common methods employed. Not open to students who have had other surveying courses. Classroom, *two hours a week*; field and office, *three hours a week*. *Three credit hours*.
MR. TAYLOR

6. Land Surveying.—Methods employed by the General Land Office for laying out public lands and such other methods as may have been used by the various states. Prerequisites, Courses 1 and 3. Classroom, *two hours a week*; field work, *nine hours a week during the last six weeks*. *Three credit hours*.
MR. TAYLOR

8. Construction Surveying.—Problems encountered in various types of construction surveying. Prerequisites, Courses 1 and 3. Classroom, *two hours a week during first twelve weeks*; field work, *six hours a week during the last six weeks*. *Two credit hours*.
MR. LYON

10. Curves and Earthwork.—The geometry of simple, compound, and reverse circular curves, transition curves, vertical curves, and earthwork. Prerequisites, Courses 1 and 3. Classroom, *three hours a week*. *Three credit hours*.
MR. LYON

12. Economic Geography.—The geographical aspects of production and trade. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

13. Physical Geology.—The work of streams, glaciers, the seas, and other agents shaping the earth's surface. For the general student, satisfying the science requirement of the College of Arts and Sciences. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

14. Introduction to Regional Geography.—A survey course covering the natural and cultural aspects of the major geographic regions of the world. Given in 1942-43 and alternate years. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

15. Physical Geology Laboratory.—Open only to students registered in Ce 13. Field trips, rock and mineral identification, and map study. Laboratory and field, *one afternoon a week*. *One credit hour*.
MR. TREFETHEN

16. Geology.—Introduction to geologic processes and materials. For students in the College of Technology and College of Agriculture. Classroom, *two hours a week*; laboratory, *three hours a week during the last nine weeks*. *Two and one-half credit hours*.
MR. TREFETHEN

17. Economic Geology.—A general survey of the field of mineral resources, from the standpoint of occurrence and distribution. Classroom, *two hours a week*. *Two credit hours*.
MR. TREFETHEN

18. Historical Geology.—Earth history from the formation of the earth to the advent of man. For the general student, satisfying the science requirement of the College of Arts and Sciences. Classroom, *three hours a week*. *Three credit hours*.
MR. TREFETHEN

19. Advanced General Geology.—The common rocks and minerals. Prerequisite, Course 13 or Course 16. Classroom, *two hours a week*; laboratory and field, *one afternoon a week*. *Three credit hours*. MR. TREFETHEN

20. Structural and Highway Materials.—Laboratory and recitations covering the methods of testing, characteristics of, and specifications for the materials commonly used for structural and highway purposes. Classroom, *one hour a week*; laboratory, *four hours a week*. *Three credit hours*.

MR. LEAVITT, MR. RYCKMAN, MR. TAYLOR

25. Engineering Geology.—Applied geology for Civil Engineers. Prerequisite, Course 16. Classroom, *two hours a week*; laboratory and field, *three hours a week for first nine weeks*. *Two and one-half credit hours*.

MR. TREFETHEN

26. Hydraulics.—Fundamental data; hydrostatics; theoretical hydraulics; instruments and observations; theoretical and actual flow through orifices, weirs, tubes, pipes, and conduits; dynamic pressure of water. Prerequisite, Mechanical Engineering 51. Classroom, *three hours a week*. *Three credit hours*.

MR. LYON

27. Soil Testing.—A laboratory course in soil testing as applied to soil mechanics. The principles of the tests and interpretation of test results are explained and discussed in the classroom. Prerequisite, Mechanical Engineering 51. Recitation, *one hour a week*; laboratory, *three hours a week*. *Two credit hours*.

MR. BENNETT

28. Soil Stabilization.—A study and practice of the common methods of soil stabilization. Prerequisite, Course 27. Lecture and laboratory, *four hours a week*. *Two credit hours*.

MR. HARRIS

29. Highway Construction.—The construction and maintenance of city pavements and country roads under various conditions of traffic, climate, soil, etc. Prerequisites, Courses 1 and 10. Recitation, *two hours a week*. *Two credit hours*.

MR. LEAVITT

33. Sanitary Engineering and Water Supply.—An introductory course outlining the engineering problems which are involved in designing and operating municipal water supply, and sewage disposal systems. Classroom, *three hours a week*. *Three credit hours*.

MR. RYCKMAN

34. Sanitary Engineering.—Functional design of water purification plants in small communities; functional design of sewage treatment plants; stream pollution. Laboratory, *six hours a week*. *Two credit hours*.

MR. RYCKMAN

35. Hydraulics.—A short course which includes the main principles given in Course 26. Given to students in the departments of Mechanical and Electrical Engineering. Prerequisite, Mechanical Engineering 51. Classroom, *two hours a week. Two credit hours.* MR. LYON

49. 50. Thesis.—Report upon some original investigation or design. See regulations regarding degrees. *Time to be arranged. Two or three credit hours.* MR. EVANS and STAFF

51. Hydraulic Engineering, Office Work.—Rating curves and vertical velocity curves are plotted and discharge measurements are computed; problems in hydrology, water storage, and water power. Prerequisites, Courses 26 and 31s. Course 55 is concurrent. Drawing room, *four hours a week. Two credit hours.* MR. LYON

52. Theory and Design of Steel Structures.—The determination of stresses and strain in beams, girders, and trusses under the usual systems of loading. Students are required to make complete designs of several types of structures. Prerequisite, Mechanical Engineering 51. *Five hours a week. Five credit hours.* MR. EVANS

53. Hydraulic Engineering, Office Work.—Similar to but shorter than Course 51. Prerequisites, Courses 26 and 31s. Drawing room, *two hours a week. One credit hour.* MR. LYON

55. Hydrology.—Stream-flow as applied to water-power development; rainfall; evaporation; run-off; methods of obtaining data and their use. Prerequisite, Course 26. Classroom, *two hours a week. Two credit hours.* MR. LYON

56. Hydraulic Engineering.—A continuation of Courses 51 and 55. The development and utilization of water power; the modern turbine; inspection of hydro-electric plants. Drawing room, *four hours a week. Two credit hours.* MR. LYON

57. Concrete Structures and Foundations.—The design and construction of plain and reinforced concrete structures with due consideration for preparing the foundation to receive such structures. Prerequisite, Mechanical Engineering 51. *Five hours a week. Five credit hours.* MR. EVANS

59. Drafting.—Detailing the structures designed in Course 52. Drawing room, *nine hours a week. Three credit hours.* MR. EVANS

60. Drafting.—A continuation of Course 59. *Six hours a week. Two credit hours.* MR. EVANS

61. Foundations.—Recitations, lectures, problems, and outside reading on ordinary and special foundation problems. Classroom, *two hours a week. Two credit hours.* MR. BENNETT

62. Soil Mechanics.—The fundamental principles underlying soil mechanics with application to practical foundation problems. Prerequisite, Mechanical Engineering 51 or 53, also Course 27. Classroom, *three hours a week. Three credit hours.* MR. HARRIS

63. Highway Economics.—State highway and municipal highway management as they affect organization, administration, and finance of streets and highways; economic factors of highway location, design and operation; traffic and operation expenses. Prerequisites, Courses 29 and 11s. *Three hours a week. Three credit hours.* MR. LEAVITT

65. Advanced Soil Testing.—A laboratory course in soil mechanics dealing with the structural properties of soils as applied to the design of foundations, earth dams, highways, and soil stabilization. Prerequisites, Course Ce 20, also Me 51 and 52. Laboratory, *nine hours a week. Three credit hours.* MR. BENNETT

68. Highway Design.—Drawing room study of highway location and relocation, including plans of proposed improvement and construction of about two miles of highway with detailed estimates and specifications for the same. Also design of street intersections. Prerequisite, Course 63. Drawing room, *four hours a week. Two credit hours.* MR. LEAVITT

71. Sanitary Engineering.—A study of sewerage and the theory of design of sewage disposal works, followed by a brief study of water purification. Prerequisite, Course 33. Classroom, *two hours a week. Two credit hours.* MR. RYCKMAN

72. Highway Engineering.—Various highway problems; general survey of higher types of pavements; city planning; specifications; cost keeping; maintenance and repair work as discussed in engineering periodicals. Prerequisite, Course 63. Classroom, *two hours a week. Two credit hours.* MR. LEAVITT

74. Sanitary Engineering.—The completion of the study of water purification begun in Course 71; covers municipal and rural sanitation, sanitation of milk and foods, and the control of mosquitoes, flies, and rodents. Prerequisite, Course 71. *Two hours a week. Two credit hours.* MR. RYCKMAN

79. Structural Geology.—Principles and characteristics of earth structures. Prerequisite, Course 19 or 25. Classroom, *two hours a week. Two credit hours.* MR. TREFETHEN

82. Advanced Engineering Geology.—Application of geology to engineering construction. Prerequisite, Course 25. Classroom, *three hours a week. Three credit hours.* MR. TREFETHEN

102. Theory of Structures—The determination of stresses in statically indeterminate structures. Open only to those students who have passed Course 52 or its equivalent satisfactorily. Classroom, *three hours a week. Three credit hours.* MR. EVANS

125. Graduate Thesis.—Report upon some original investigation or design. *Time and credit to be arranged.* MR. EVANS and STAFF

Courses To Be Offered at Summer Camp

7s. Highways and Railroads.—Preliminary and location surveys for railways and highways, particularly forest highways. Grades are established and grade stakes set. The preparation of maps from notes and calculation of earthwork. Prerequisites, Courses 1 and 3. *Two credit hours.*

11s. Highway and Railroad Surveys.—Preliminary and location survey for a highway; a relocation survey for a railroad; stringlining curves; plotting; computing. Prerequisites, Courses 1, 3, and 10. *Three credit hours.*

23s. Geodetic and Topographic Surveying.—The methods and instruments used in making large surveys. Prerequisites, Courses 1 and 3. *Two credit hours.*

31s. Hydrographic Surveying.—The principles underlying the measurement of flow of water in open channels. Prerequisites, Courses 1 and 3. *One credit hour.*

ELECTRICAL ENGINEERING

PROFESSORS BARROWS, HILL, CREAMER, AND CLOKE; ASSISTANT
PROFESSORS CRABTREE AND BLISS; MR. WILSON

The Electrical Engineering curriculum consists of a logical sequence of courses which, beginning with the basic principles of electric circuits and machines and electronic apparatus, progresses in the advanced courses into the design and operating characteristics of equipment involved in both power and communication systems, as well as the functioning of the systems as a whole.

Opportunity is provided for the student to concentrate his work in either the power or communication division, but many students prefer to elect some courses in each and so achieve a broader training.

It is the aim of this curriculum to train the student in fundamental principles which find application in engineering, commercial, or administrative positions with the electric power and communication utilities, governmental agencies, and various manufacturing and industrial organizations.

Freshman Year See page 223

Sophomore Year

FALL SEMESTER						SPRING SEMESTER					
Subject			Hours			Subject			Hours		
			Rec.	Lab. or Comp.	Cr.				Rec.	Lab. or Comp.	Cr.
Ee	1	Els. Elec. Eng.	2	5	4	Ee	2	Els. Elec. Eng.	2	5	4
Es	1b	Prin. of Econ.	2	0	2	Ce	2	Plane Surveying	1½	½	2
Md	3	Des. Geometry	0	6	2	Es	2b	Prin. of Econ.	2	0	2
Ms	7	Diff. Calculus	5	0	5	Ms	8	Int. Calculus	5	0	5
Mt	3	Military	2	1	2	Mt	4	Military	2	1	2
Sh	1	Public Speaking	2	0	2	Sh	6	Persuasive Speech	2	0	2
Py	1	Gen. Psychology	2	2	3	Py	2	Gen. Psychology	2	2	3
Pt	3	Phy. Education	0	2	0	Pt	4	Phy. Education	0	2	0

Junior Year

			Rec.	Lab. or Comp.	Cr.				Rec.	Lab. or Comp.	Cr.
Ee	13	Electronics	2	3	3	Ee	16	El. Cir. & Mach.	3	3	4
Ee	15	El. Cir. & Mach.	2	3	3	Ee	18	Elec. Lab.	1	3	2½
Ee	17	Elec. Lab.	1	3	2½	Ee	22	Tel. Comm.	3	0	3
Eh	5	Tech. Comp.	2	0	2	Ee	24	Tel. Lab.	0	3	1½
Me	27	Kinematics	3	0	3	Me	44	Heat Eng.	3	0	3
Me	53	Mechanics	3	0	3	Me	54	Mechanics	3	0	3
Options (One subject required)						Options (One subject required)					
Ba	51	Corp. Finance	3	0	3	Ba	54	Investments	3	0	3
Ms	57	Eng. Math.	3	0	3	Ms	58	Eng. Math.	3	0	3

Senior Year

FALL SEMESTER					SPRING SEMESTER						
Subject			Hours			Subject			Hours		
			Rec.	Lab.	Cr.				Rec.	Lab.	Cr.
			Comp.						Comp.		
Ee	51	Alt. Cur. Appar.	4	3	5	Options (Six subjects required)					
Ee	75	Elec. Lab.	1	3	2½						
Options (Two subjects required)											
Ee	49	Thesis	Arr	1-3		Ee	10	Radio Operating	0	1½	½
Ee	61	Illum. Eng.	3	0	3	Ee	50	Thesis	Arr	1-3	
Ee	57	Elec. Power				Ee	56	Elec. Power Plants	3	0	3
		Transm.	2	3	3	Ee	60	Adv. Elec. Mach.	3	0	3
Ee	81	Comm. Eng.	0	4	2	Ee	64	Elec. Motive			
Ee	83	Comm. Lab.	0	3	1½			Power	3	0	3
Ee	85	Radio Eng.	2	2	3	Ee	76	Elec. Lab.	1	3	2½
Ee	87	Eng. Acoustics	2	0	2	Ee	82	Comm. Eng.	0	4	2
Ba	53	Money & Banking	3	0	3	Ee	86	Radio Eng.	2	2	3
Me	41	Mechanical Lab.	0	3	1½	Ee	88	Radio Lab.	0	3	1½
						Ba	16	Business Law	3	0	3
						Me	84	Ind. Management	2	0	2

Courses in Electrical Engineering

1; 2. Elements of Electrical Engineering.—Fundamentals of electric, magnetic, and dielectric circuits; conduction through electrolytes and gases; thermionics; elements of a.c. circuits; electrical measurements. Recitations and problems. Prerequisite, Physics 1, 2 and Mathematics 1, 3. Classroom, *two hours a week*; computation, *three hours a week*; laboratory, *two hours a week*. *Four credit hours*.

MR. BARROWS, MR. CREAMER, MR. WILSON

1p; 2p. Elements of Electrical Engineering.—Same as Course 1, 2 except that laboratory is omitted. (For students majoring in Engineering Physics who do not wish to take laboratory.) Classroom, *two hours a week*; computation, *three hours a week*. *Three credit hours*.

9 (10). Radio Operating.—Instruction and practice in transmission and reception of Continental Code. Offered for credit to majors in Electrical Engineering only. Laboratory, *one and one-half hours a week*. *One-half credit hour*.

MR. CREAMER, MR. BLISS

13. Electronics.—Theory and application of electron tubes. Elementary principles of vacuum and gas diodes, triodes, and multi-element tubes, photocells, rectifiers, amplifiers, oscillators, and electron tube circuits. Prerequisite, Course 2. Course 15 is required concurrently. Classroom, *two hours a week*; laboratory, *three hours a week*. *Three credit hours*. MR. BLISS

15; 16. Electric Circuits and Machinery.—Single-phase alternating currents; balanced polyphase circuits. Theory and design of d.c. machines. Elements of electrical transmission; unbalanced polyphase networks; introduction to transient phenomena. Lectures, recitations, and problems. Prerequisite, Course 2. Fall semester: classroom, *two hours a week*; computation, *three hours a week*. *Three credit hours*. Spring semester: classroom, *three hours a week*; computation, *three hours a week*. *Four credit hours*.

MR. HILL

17; 18. Electrical Laboratory.—Electrical measurements; operation and testing of direct-current generators and motors. Introductory experiments on alternating-current circuits and machines. Prerequisite, Course 2; Courses 15 and 16 are required concurrently. Classroom, *one hour a week*; laboratory, *three hours a week*. *Two and one-half credit hours*. MR. CRABTREE

22. Telephone Communication.—Elements of speech and hearing; characteristics of subscribers' sets, local and common battery circuits, dial systems, repeaters and carrier current; study of the infinite line. Lectures and recitations. Prerequisite, Course 15. Course 24 is required concurrently. Classroom, *three hours a week*. *Three credit hours*. MR. BLISS

24. Telephone Laboratory.—Microphonic efficiency of telephone apparatus; measurements of articulation and audition; local and common battery systems; phantom and composite circuits; repeaters; transmission testing. Course 22 is required concurrently. Laboratory, *three hours a week*. *One and one-half credit hours*. MR. BLISS

31. Electrical Circuits.—Direct current circuits; magnetic circuits; induced and generated electromotive force; elementary theory of electron tubes and circuits; alternating current circuits. Lectures, recitations, and problems. Classroom, *two hours a week*. *Two credit hours*.

MR. CRABTREE, MR. BLISS

32. Electrical Machinery.—Principles and operating characteristics of direct current machines, transformers, alternators, induction and synchronous motors. Lectures, recitations, and problems. Prerequisite, Course 31. Classroom, *two hours a week*. *Two credit hours*.

MR. BARROWS, MR. CRABTREE

35. Direct Current Machinery.—Electrical principles and applications; the production, distribution, and utilization of power from the standpoint of the civil, mechanical, and chemical engineer. Recitations and problems. Classroom, *two hours a week*. *Two credit hours*.

MR. CRABTREE, MR. WILSON

36. Alternating Currents.—Alternating current measurements and calculations; operation of generators and motors. Lectures, recitations, and problems. Prerequisite, Course 35. Classroom, *two hours a week*. *Two credit hours*.
MR. CRABTREE, MR. WILSON

38. Electrical Laboratory.—This course is based on Courses 35 and 36. Operations of direct-current and alternate-current generators and motors; electrical power measurements. Prerequisite, Course 32 or 35; Course 36 concurrent. Laboratory, *three hours a week*. *One and one-half credit hours*.
MR. CRABTREE, MR. WILSON

49. 50. Thesis.—The study of and report upon some original investigation or design. *Time to be arranged*. See regulations regarding degrees. *One to three credit hours*.
MR. CLOKE, MR. HILL, MR. CREAMER

Inspection Trip.—About a week's trip visiting some of the electrical and industrial plants of New England.
MR. CREAMER

51. Alternating Current Apparatus.—Theory, construction, and operating characteristics of alternating-current apparatus and machinery—generators, transformers, motors, rectifiers. Utilization of polyphase power. Prerequisite, Course 16. Classroom, *four hours a week*; computation, *three hours a week*. *Five credit hours*.
MR. BARROWS

56. Electrical Power Plants.—Electrical equipment of power plants, methods of control, switching, protection, lightning arresters; arrangement of station and substation machinery, apparatus, and switchboards. Lectures and recitations. Prerequisites, Courses 15, 16, and 51. Classroom, *three hours a week*. *Three credit hours*.
MR. BARROWS

57. Electrical Power Transmission.—Circuit constants and performance characteristics of power-transmission systems. Problems of design, protection, and operation. Lectures, recitations, and problems. Prerequisite, Course 16. Classroom, *two hours a week*; supervised computation, *three hours a week*. *Three credit hours*.
MR. HILL

60. Advanced Electrical Machinery.—Advanced topics on the theory, performance, and control of electrical machinery. Typical problems on the design of synchronous, induction, and commutating machines, transformers, and converters. Prerequisite, Course 51. Classroom, *three hours a week*. *Three credit hours*.
MR. HILL

61 (62). Illuminating Engineering.—Different types of lamps; light, photometry, illumination calculations, and problems of interior and exterior illumination. Lectures, recitations, and problems. Classroom, *three hours a week*. *Three credit hours*.
MR. BARROWS

64. Electric Motive Power.—Problems encountered in the application of electric motors, including the adaptation of electric drive to present-day requirements in transportation, heavy-duty mill service, and other exacting installations. Lectures, recitations, and problems. Prerequisite, Course 51. Classroom, *three hours a week. Three credit hours.* MR. HILL

75; 76. Electrical Laboratory.—Alternating-current instruments and measurements; experimental work on single-phase circuits, and polyphase systems. Operation and testing of alternating-current generators, motors, transformers, and converters. Prerequisites, Courses 15, 16, 17, and 18; Course 51 is concurrent. Classroom, *one hour a week; laboratory, three hours a week. Two and one-half credit hours.* MR. HILL, MR. CRABTREE

81; 82. Communication Engineering.—Network theory; transformers; attenuators; filters; equalizers; transmission losses; application of hyperbolic functions to transmission line problems; cable and open wire lines; special transmission circuits. Lectures and problems. Prerequisite, Course 22. Computation, *four hours a week. Two credit hours each semester.* MR. CREAMER

83. Communication Laboratory.—Advanced measurements on communication apparatus; carrier-current systems; audio-frequency amplifiers; filters; transformers; loud speakers and microphones. Prerequisite, Course 22. Course 81 is required concurrently. Laboratory, *three hours a week. One and one-half credit hours.* MR. BLISS

85; 86. Radio Engineering.—Inductance coils, condensers, and resistors for radio frequencies; vacuum-tube theory; analysis of oscillatory circuits and methods of excitation; radiation and transmission; receiver and transmitter circuits; amplitude, frequency, and phase modulation; elements of television. Lectures, recitations, and design problems. Prerequisite, Course 22. Fall semester: classroom, computation, laboratory. *Three credit hours.* Spring semester: classroom, seminar. *Three credit hours.* MR. CREAMER

87. Engineering Acoustics.—This course, which is closely correlated with Courses 81, 85, and 86, deals with studio and theater acoustics, sound recording, and the dynamical systems of microphones, receivers, and loud speakers. Lectures, recitations, and problems. Prerequisite, Course 22. Classroom, *two hours a week. Two credit hours.* MR. CREAMER

88. Radio Laboratory.—Use of wave-meters; radio-frequency amplifiers; tests of tube transmitters and receivers; continuous wave and radio-phone transmission at various frequencies; radio directionals; field strength measurements. Course 86 is required concurrently. Laboratory, *three hours a week. One and one-half credit hours.* MR. BLISS

156. Advanced Electrical Power Plants.—The latest designs and methods of central station practice. Location, parallel operation, super-power practice, and economics. Lectures, studies, and problems. Prerequisites, Courses 51, 56, and 76. Classroom, *two hours a week. Two credit hours.*

MR. BARROWS

157; 158. Advanced Electrical Power Transmission.—Study of transmission networks and interconnected power systems in the normal steady state and under the conditions imposed by transients and faults. Problems of design, construction, and operation. Prerequisite, Course 57. Classroom, *two or three hours a week. Two or three credit hours.*

MR. HILL

165; 166. Advanced Theory of Electrical Machinery.—Analytical study of electrical machinery with emphasis on methods useful in research and development. Analysis of behavior in transient states and under abnormal condition of operation. Lectures, problems, seminar papers, and reviews. Prerequisite, Course 60. Course 175 is concurrent. Classroom, *two or three hours a week. Two or three credit hours.*

MR. HILL

175. Electrical Laboratory.—Advanced tests of electrical machines and circuits as related to design and development. Performance studies involving the use of the oscillograph. Prerequisites, Courses 51, 60, and 76. Course 165 is concurrent. Classroom, *one hour a week; laboratory, three hours a week. Two and one-half credit hours.*

MR. BARROWS

185. Communication Networks.—Advanced study of passive networks; transformer and transition losses; high-quality circuits; advances in communication from study of current technical literature. Lectures, reports, and problems. For graduate students who have specialized in electrical communication. Classroom, *two hours a week. Two credit hours.*

MR CREAMER

186. High Frequency Phenomena.—Advanced analytical treatment of topics considered in Course 85, 86 including circuits, apparatus, and radiation phenomena. For graduate students having a knowledge of differential equations and of vector analysis. Prerequisites, Courses 85 and 86. Classroom, *two hours a week. Two credit hours.*

MR. CREAMER

187. Radio Seminar.—A thorough, critical study of a limited number of important current developments in radio engineering. For graduate students who have specialized in electrical communication. Prerequisite, Course 85, 86. Classroom, *two hours a week. Two credit hours.*

MR CREAMER

188. Circuits Laboratory.—Experimental work based on theory treated in Course 185; oscillographic study of speech sounds and modulation; detection and elimination of speech distortion in amplifiers. Prerequisite,

Course 185. Laboratory, *three hours a week. One and one-half credit hours.*

MR. CREAMER

191. 192. Theory of Electricity.—The more advanced mathematical and physical theories of electricity and their engineering applications. Wave propagation, radiation, gaseous conduction, and the analysis of transient phenomena by the methods of Heaviside's operational calculus. Problems, conferences and seminar. *Two credit hours.*

MR. CLOKE, MR. HILL

ENGINEERING PHYSICS

PROFESSOR BENNETT; ASSOCIATE PROFESSOR CROFUTT; ASSISTANT
PROFESSORS LARSEN AND WILLIAMS; MR. OLESON

This curriculum is an answer to the growing demand on the part of industry for college men trained in physics in an engineering atmosphere. It recognizes the fact that for certain students undergraduate specialization in a single engineering field is not a rigid requirement for success in industrial work. This program is basically one of applied science supplemented with a strong minor in one or more of the well-defined engineering fields. It is developed around a framework of required courses in intermediate and advanced physics, mathematics, and chemistry in addition to certain strictly engineering courses, some required and some elected in the last two years. Thus the emphasis is placed upon both engineering and physics.

The curriculum is also suited for those students who, by virtue of their ability and interest, are preparing to do graduate work.

Freshman Year See page 223

Sophomore Year**FALL SEMESTER**

Subject		Hours		
		Rec.	Lab. or Comp.	Cr.
*Es 1b	Prin. of Econ.	2	0	2
*Gm 19	German for Chem.	3	0	3
Mc 9	Machine Tool			
	Lab.	0	4½	1½
Ms 7	Diff. Calculus	5	0	5
Mt 3	Military	2	1	2
Ps 17	Intermed. Physics	3	2	4
Pt 3	Phy. Education	0	2	0
Sh 1	Pub. Speaking	2	0	2
	*Suggestions for Electives			
As 15	Gen. Astronomy	3	0	3
Md 3	Des. Geometry	0	6	2

SPRING SEMESTER

Subject		Hours		
		Rec.	Lab. or Comp.	Cr.
Ch 40a	Quant. Anal.	1	6	3
*Es 2b	Prin. of Econ.	2	0	2
*Gm 20	German for Chem.	3	0	3
Me 10	Machine Tool Lab.	0	4½	1½
Ms 8	Int. Calculus	5	0	5
Mt 4	Military	2	1	2
Ps 18	Intermed. Phys.	3	2	4
Pt 4	Phy. Education	0	2	0
	*Suggestions for Electives			
Ps 10	Meteorology	3	0	3
Ps 32	Photography	2	2	3

Junior Year

		Hours		
		Rec.	Lab. or Comp.	Cr.
*Ch 71	Phys. Chem.	2	6	5
	or			
Ee 1p	Els. Elec. Eng.	2	3	3
Eh 5	Tech. Comp.	2	0	2
*Gm 21	German for Chem.	3	0	3
Me 53	Mechanics	3	0	3
Ms 57	Eng. Math.	3	0	3
Ps 53	Elec. Meas.	0	4	2
Ps 55	Elec. & Mag.	3	0	3
	Additional Suggestions			
ChE 33	Elem. Stoich.	3	0	3
Me 21	Mats. of Eng.	2	0	2
Me 41	Mech. Lab.	0	3	1½
Me 43	Heat Eng.	3	0	3
Pa 65	Pulp Tech.	3	0	3
Py 1	Gen. Psych.	2	2	3
Zo 3	Animal Biol.	2	4	4

		Hours		
		Rec.	Lab. or Comp.	Cr.
*Ch 72a	Phys. Chem.	2	2	3
	or			
Ee 2p	Els. Elec. Eng.	2	3	3
	and			
Ch 22	Intro. Theor.			
	Chem.	3	0	3
Eh 10	Modern Lit.	2	0	2
*Gm 22	German for Chem.	3	0	3
Me 54	Mechanics	3	0	3
Ms 58	Eng. Math.	3	0	3
Ps 72	Optics	3	0	3
	Additional Suggestions			
Ce 16	Geology	2	1½	2½
Me 22	Els. of Mech. Eng.	2	3	3½
Me 46	Heat Power	3	0	3
Py 2	Gen. Psych.	2	2	3
Zo 4	Animal Biology	3	0	3

Senior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab.	Cr.			Rec.	Lab.	Cr.
			Comp.					Comp.	
*Ch 51a	Organic Chem.....	3	0	3	*Ee 36	Alt. Cur.	2	0	2
*Ee 35	D. C. Mach.....	2	0	2		and			
Ps 69	Mod. Physics	3	0	3	Ee 38	Elec. Lab.	0	3	1½
Ps 81	Adv. Lab. Phys.	Arr	1-6		Ps 50	Problems	Arr	1-3	
	Electives		6		Ps 62	Heat & Thermod.	3	0	3
	Additional Suggestions				Ps 82	Adv. Lab. Phys.	Arr	1-3	
Ce 35	Hydraulics	2	0	2		Electives		9	
ChE 81	Chem. Eng. Lab.	3	0	3		Additional Suggestions			
Ee 13	Electronics	2	3	3	ChE 76	Els. of Chem.			
Ee 15	El. Cir. & Mach.	3	0	3		Eng.	3	0	3
Ee 17	Elec. Lab.	1	3	2½	ChE 82	Chem. Eng. Lab.	1	4	3
Ps 59	Sound	3	0	3	Ee 16	El. Cir. & Mach.	3	3	4
Ms 56a	Vector Anal.	3	0	3	Ee 18	Elec. Lab.	1	3	2½
					Ee 22	Tel. Com.	3	0	3
					Me 92	Aerodynamics	3	0	3
					Ps 58	Math. Phys.	3	0	3
					Ps 66	Vac. Tubes &			
						Therm. Phenomena	3	0	3

* Substitutions may be made for courses marked * or they may be postponed with the approval of the department head. The student who may continue with graduate work is strongly advised to take at least one year of German. If Ee 1p, 2p is elected, it should be followed by Ee 15, 16 instead of Ee 35, 36.

Courses in Engineering Physics. See pages 193-196

General Engineering

This curriculum, designed for selected pre-eminently capable students, emphasizes training in the fundamentals of engineering and the development of the individual's particular aptitude or preference. It is especially appropriate for the student preferring to specialize in a graduate rather than undergraduate program since, in addition to fundamental and advanced studies in either Chemical, Civil, Electrical, or Mechanical Engineering definitely elected and begun during the sophomore year, it offers him a sequence of studies in one of the following elective groups: mathematics and science; economics and psychology; history, psychology, and sociology; foreign language; literature.

The curriculum also permits a student completing certain electives in either Economics or History and Government in his sophomore year, to

obtain a degree of Master of Science in Economics or in History and Government by an additional year of study after obtaining the B.S. in General Engineering.

The Dean of the College is the adviser and registering officer for students in this course.

Freshman Year See page 223

Sophomore Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab. or Comp.	Cr.			Rec.	Lab. or Comp.	Cr.
Ch	31	Micro-Qual. Anal.	2	8	5	Ce	2	Plane Surveying	1 $\frac{2}{3}$ $\frac{1}{3}$ 2
Ee	1	Els. Elec. Eng.	2	5	4	Ch	40a	Quant. Anal.	1 8 4
Es	1a	Prin. of Econ.	3	0	3	Ee	2	Els. Elec. Eng.	2 5 4
Md	3	Des. Geometry	0	6	2	Es	2a	Prin. of Econ.	3 0 3
Ms	7a	Diff. Calculus	5	0	5	Ms	8a	Int. Calculus	5 0 5
Mt	3	Military	2	1	2	Mt	4	Military	2 1 2
Pt	3	Phy. Education	0	2	0	Pt	4	Phy. Education	0 2 0

Junior Year

		Rec.	Lab. or Comp.	Cr.			Rec.	Lab. or Comp.	Cr.
Ba	9	Accounting	2	2	3	Ba	10	Accounting	2 2 3
Ee	13	Electronics	2	3	3	Ce	16	Geology	2 1 $\frac{1}{2}$ 2 $\frac{1}{2}$
Eh	9	Mod. Lit.	2	0	2	Ce	26	Hydraulics	3 0 3
Me	21	Mats. of Eng.	2	0	2	Ch	22	Intro. Theor.	
Me	53	Mechanics	3	0	3			Chem.	3 0 3
Sh	1	Public Speaking	2	0	2	Eh	6	Tech. Comp.	2 0 2
						Me	54	Mechanics	3 0 3

Senior Year

		Rec.	Lab. or Comp.	Cr.			Rec.	Lab. or Comp.	Cr.
Ba	51	Corporation Fin.	3	0	3	Ce	52	Theory & Des. of	
Me	33	Heat Eng.	3	0	3			Steel Struc.	5 0 5
Me	37	Mech. Lab.	0	3	1 $\frac{1}{2}$	Me	34	Heat Eng.	3 0 3
Py	1	Gen. Psychology	2	2	3	Me	38	Mech. Lab.	0 3 1 $\frac{1}{2}$
		Electives			8 $\frac{1}{2}$			Electives	6 $\frac{1}{2}$

MECHANICAL ENGINEERING

PROFESSOR WATSON; ASSOCIATE PROFESSOR PRAGEMAN; ASSISTANT
PROFESSORS SPARROW AND BROWN; MR. PERKINS; MR. LEKBERG;
MR. OSGOOD; MR. VANNAH; MR. RICH

This curriculum, by basic training in the fundamentals of science and its application to engineering methods and techniques, prepares the student for varied occupational work in the Mechanical Engineering field including development, design, construction, sale, installation and operation of machinery for manufacturing, transportation, power generation, heating and air conditioning, and refrigeration; and the superintendence or management of factories, power plants, and motive power organizations.

Since it is not possible in four years to develop and train the student as an expert engineer in any branch of the profession, specialization is not afforded.

Freshman Year See page 223

Sophomore Year

FALL SEMESTER					SPRING SEMESTER				
Subject			Hours		Subject			Hours	
			Rec.	Lab. or Cr. Comp.				Rec.	Lab. or Cr. Comp.
Es 1b	Prin. of Econ.	2	0	2	Es 2b	Prin. of Econ.	2	0	2
Md 3	Des. Geometry	0	6	2	Md 4	Adv. Mach.			
Me 1	Materials Lab.	0	6	2		Drafting	0	6	2
Me 3	Pattern Work	0	6	2	Me 2	Pattern Work	0	6	2
Me 21	Materials of Eng.	2	0	2	Me 4	Materials Lab.	0	6	2
Ms 7	Diff. Calculus	5	0	5	Me 22	Els. Mech. Eng.	2	3	3½
Mt 3	Military	2	1	2	Ms 8	Int. Calculus	5	0	5
Sh 1	Public Speaking	2	0	2	Mt 4	Military	2	1	2
Ps 21	Mech. & Heat Lab.	0	4	2	Sh 6	Persuasive Speech	2	0	2
Pt 3	Phy. Education	0	2	0	Pt 4	Phy. Education	0	2	0

Junior Year

			Rec.	Lab. or Cr. Comp.				Rec.	Lab. or Cr. Comp.
Ba 15	Bus. Law				Eh 6	Tech. Comp.	2	0	2
	or Option	3	0	3	Me 8	Mach. Tool Lab.	0	6	2
Me 7	Mach. Tool Lab.	0	6	2	Me 24	Machine Design	2	3	3
Me 23	Kinematics	3	3	4	Me 34	Heat Eng.	3	0	3
Me 33	Heat Eng.	3	0	3	Me 38	Mech. Lab.	0	3	1½
Me 37	Mech. Lab.	0	3	1½	Me 36	Heat Power	3	0	3
Me 51	Mechanics	5	0	5	Me 52	Mechanics	5	0	5

Senior Year

FALL SEMESTER					SPRING SEMESTER				
Subject		Hours			Subject		Hours		
		Rec.	Lab.	Cr.			Rec.	Lab.	Cr.
		Comp.					Comp.		
Ce 35	Hydraulics	2	0	2	Ee 36	Alt. Currents	2	0	2
Ee 35	D. C. Machy.	2	0	2	Ee 38	Elec. Lab.	0	3	1½
Me 71	Mech. Lab.	0	3	1½	Me 50	Thesis	Arr		3
Me 81	Heat Eng.	2	3	3		(or Option)			
Me 87	Machine Design	1	3	2	Me 72	Mech. Lab.	0	3	1½
Me 91	Heat & Air				Me 84	Ind. Management	2	0	2
	Conditioning	3	0	3	Me 86	Power Plants	3	0	3
Me 93	Int. Comb.				Me 88	Dynamics of			
	Engines	3	0	3		Machines	2	0	2
Py 3	App. Psychol.	3	0	3		Options			
	(or Option)				Me 92	Aerodynamics	3	0	3
					Me 94	Hydraulic			
						Machinery	3	0	3
					Me 96	Seminar	1	0	1

1. 4. Materials Laboratory.—Practical foundry and metal work with hand and machine tools; electric and acetylene welding. Lectures and demonstrations on basic foundry practice, including operation of cupolas, etc., fundamentals of drawing, upsetting, forming, welding, and tempering of various metals. Laboratory work, *six hours a week. Two credit hours.*

MR. OSGOOD

2. 3. Pattern Work.—Bench work and wood turning to familiarize the student with the tools used in modern woodworking practice, and to give him experience in working from dimensioned drawings. Pattern work, consisting of making of complete patterns and core boxes from drawings, which coordinates this course with foundry practice. Lectures and demonstration. Laboratory work, *six hours a week. Two credit hours.*

MR. RICH

7; 8. Machine Tool Laboratory.—The principles and operation of various machine tools are demonstrated by the manufacture of a small piece of machinery in which the parts must be made to fit properly. Stress is laid upon the selection of feeds, speeds, and depths of cut for various machine processes on ferrous and non-ferrous metals. Laboratory work, *six hours a week. Two credit hours.*

MR. PERKINS

9; 10. Machine Tool Laboratory.—A shorter course than 7, 8. Laboratory work, *four and one-half hours a week. One and one-half credit hours.*

MR. PERKINS

21. Materials of Engineering.—Properties of the metals; production from ores; crystalline structure; heat treatment; methods of testing. Classroom, *two hours a week. Two credit hours.* MR. LEKBERG, MR. OSGOOD

22. Elements of Mechanical Engineering.—A course to familiarize the student with mechanical apparatus and elementary engineering calculations relative to heat, power, work, mechanical and electrical energy. Laboratory covers elementary experimental work on steam and gas engine equipment. Classroom, *two hours a week; laboratory, three hours a week. Three and one-half credit hours.* MR. LEKBERG, MR. OSGOOD, MR. RICH

23. Kinematics.—Motion, velocity, and acceleration of machine parts, supplemented by drawings of cams, gear teeth, and graphical studies of kinematical problems. Classroom, *three hours a week; drawing room, three hours a week. Four credit hours.* MR. PRAGEMAN, MR. LEKBERG

24. Machine Design.—The design of machines; proportioning of parts for strength, rigidity, etc. Prerequisites, Courses 23 and 51. Classroom, *two hours a week. Computation, three hours a week. Three credit hours.* MR. PRAGEMAN, MR. LEKBERG

27. Kinematics.—A shorter course than 23, arranged for electrical engineers. Recitations, *three hours a week. Three credit hours.*

MR. LEKBERG

33. Heat Engineering.—Laws of thermodynamics; laws of gases; air compressors; Carnot's cycle; combustion; vapor laws; use of steam tables, steam calorimetry, and steady flow analysis. Illustrative practical problems. Prerequisites, Mathematics 8 and Physics 1b, 2b. Recitation, *three hours a week. Three credit hours.* MR. WATSON, MR. BROWN

34. Heat Engineering.—Rankine's cycle; steam engine cycles; thermal efficiencies; flow of steam and air; steam nozzles; humidity and hygrometry, and refrigeration. Prerequisite, Course 33. Recitation, *three hours a week. Three credit hours.* MR. WATSON, MR. BROWN

36. Heat Power.—Fuels and combustion, steam and gas power-plant equipment; arrangement, operation, and efficiencies of various types of apparatus. Prerequisite, Course 33. *Three hours a week. Three credit hours.*

MR. SPARROW

37, 38. Mechanical Laboratory.—Tests of materials, heating value of liquid and gaseous fuels, steam calorimetry, thermal efficiency, economy, and heat balance test of steam engines, steam turbines, and gas engines. Prerequisite, Course 36. Laboratory, *three hours a week. One and one-half credit hours.* MR. SPARROW, MR. LEKBERG

40. Mechanical Laboratory.—For seniors in Chemical Engineering. Calibration of instruments; tests of engines; measurement of flow of water; tests of lubricants. Prerequisite, Course 43. Laboratory, *three hours a week. One and one-half credit hours.* MR. SPARROW, MR. LEKBERG

41. Mechanical Laboratory.—For seniors in Chemical and Electrical Engineering. Calibration of instruments; testing strength of materials; testing of steam engines, gas engines, hydraulic testing. Prerequisite, Course 43 or 44. Laboratory, *three hours a week. One and one-half credit hours.* MR. LEKBERG

43. 44. Heat Engineering.—A short course for non-mechanical engineers covering the laws of thermodynamics and their application to heat motors, air compressors, refrigerating machinery, and power-plant equipment. Prerequisites, Mathematics 8 and Physics 2. Recitation, *three hours a week. Three credit hours.* MR. SPARROW, MR. VANNAH

49. Mechanical Laboratory.—For seniors in Civil Engineering. Testing of strength of materials; measurement of flow of water over weirs and through orifices and nozzles; calibration of venturi meters. Prerequisite, Civil Engineering 26 or 35. Laboratory, *three hours a week. One and one-half credit hours.* MR. SPARROW

50. Thesis.—The results of some original investigation or design presented in proper form. The subject should be selected early in the fall semester of the senior year. See regulations regarding degrees. *Three credit hours.* MR. WATSON AND STAFF

51; 52. Mechanics.—The fundamental principles of statics, kinematics, and kinetics, with applications to practical problems; stresses and strains in bodies subject to tension, compression, and shearing; the common theory of beams, including shearing force, bending moment, and elastic curves; torsional stresses and theories of stress in long columns. Recitation, *five hours a week. Five credit hours.* MR. BROWN, MR. RYCKMAN

53; 54. Mechanics.—The fundamental principles of statics, kinematics, and kinetics, with applications to practical problems; the study of simple stresses and strains with such applications as the time permits. Recitation, *three hours a week. Three credit hours.* MR. BROWN, MR. VANNAH

57; 58. Advanced Mechanics.—Single-degree freedom systems; free and forced vibrations; application to measuring instruments; systems with more than one degree of freedom; calculation of natural frequency of various objects; torsional vibrations in internal combustion engines; self-excited vibrations. Classroom, *three hours a week. Three credit hours.* MR. BROWN

71; 72. Mechanical Laboratory.—Tests of condensers, boilers, air-compressors, pumps, fans, hydraulic testing. Prerequisite, Course 38. Laboratory, *three hours a week. One and one-half credit hours.* MR. SPARROW

78. Hydraulic Laboratory.—For students taking Hydraulic Elective in Civil Engineering. Testing of impulse and reaction water wheels, flow measurement and friction in pipes and channels, etc. Prerequisite, Course 39. Laboratory, *three hours a week. One and one-half credit hours.*

MR. SPARROW

81. Heat Engineering.—A continuation of Courses 33 and 34, dealing with steam turbines; considerations affecting the design and efficiency of operation of the various types. Recitation, *two hours a week*; computation, *three hours a week. Three credit hours.*

MR. WATSON

84. Industrial Management.—The management of industrial enterprises, selection of plant sites, layout of industrial buildings, time and motion study, wage systems and selection of personnel. Prerequisite, Economics 2b. Classroom, *two hours a week. Two credit hours.*

MR. PRAGEMAN

86. Power Plants.—Design, costs, operating expenses, and economics of steam and gas power plants. Prerequisite, Course 81. Classroom, *three hours a week. Three credit hours.*

MR. WATSON

87. Machine Design.—A continuation of Course 24, including the execution of the design of some typical machines. Prerequisites, Courses 23 and 24. Recitation, *one hour a week. Computation, three hours a week. Two credit hours.*

MR. PRAGEMAN, MR. LEKBERG

88. Dynamics of Machines.—The forces due to reciprocating and rotating masses with special application to balancing high-speed machinery, designing governors and flywheels. Prerequisites, Courses 23, 24, and 87. Recitation, *two hours a week. Two credit hours.*

MR. PRAGEMAN

91. Heating and Air-Conditioning.—Heat resistance of building materials, calculation of heat losses through various types of walls, windows, etc., heating systems, ventilating systems, humidification. Prerequisite, Course 34. Recitation, *three hours a week. Three credit hours.*

MR. PRAGEMAN

92. Aerodynamics.—Flow of an ideal fluid; application of dimensional analysis to engineering problems; Prandtl's wing theory; properties of airfoils; engine and propeller characteristics; airplane performance calculations; propeller theory. Prerequisites, Courses Me 52 and Ce 35. Classroom, *three hours a week. Three credit hours.*

MR. BROWN

93. Internal Combustion Engines.—Types, general theory of design and operation, fuels and combustion, carburetion, relative efficiencies, detona-

tion and knock testing, cooling and lubrication. Prerequisite, Course 33. Classroom, *three hours a week. Three credit hours.* MR. WATSON

94. Hydraulic Machinery.—Hydraulic turbines; water wheels, various features of hydraulic power plant development. Prerequisites, Me 52, Ce 26 or 35, and Me 23. Recitation, *three hours a week. Three credit hours.* MR. PRAGEMAN

96. Seminar.—Preparation, presentation, and discussion of papers on leading engineering topics. Classroom, *one hour a week. One credit hour.* MR. WATSON

101. 102. Metallography.—Polishing, etching, and a microscopic study of the crystalline structure of metals. A study of the effect of heat treatment on the crystalline structure and physical properties of steel. Classroom, *one hour a week; laboratory, four hours a week. Three credit hours.* MR. WATSON

103. 104. Advanced Fluid Mechanics.—A theoretical study of the flow of fluids around streamlined bodies, development of airfoil sections by conformal transformations; discontinuous flow; flow of viscous fluid; boundary layer theory. Classroom, *three hours a week. Three credit hours.* MR. BROWN

105. 106. Theory of Elasticity.—Development of the mathematical theory of elasticity; stresses and strains in elastic bodies both two-dimensional and three-dimensional; theory of torsion for beams of various cross sections. Prerequisite, Course 52. Classroom, *three hours a week. Three credit hours.* MR. BROWN

Inspection Trip.—A trip of one week's duration to various manufacturing and power plants. This trip is open only to seniors who are eligible for graduation. A complete schedule of the trip is prearranged and a member of the Department staff is in charge of the party.

ENGINEERING DRAFTING

PROFESSOR KENT; ASSISTANT PROFESSOR SAWYER; MR. MCNEARY

1. Fundamentals of Drafting.—Technical sketching and lettering, care of drawing instruments, and their use in elementary problems involving right lines, circles, irregular curves, and orthographic projections. Drawing room, *four hours a week. Two credit hours.*

MR. KENT, MR. SAWYER, MR. MCNEARY

2. Elementary Machine Drafting.—A continued study of the methods of orthographic projection, isometric projection, and oblique projection, accompanied by practice in the making of working drawings, tracings, and blueprinting. Prerequisite, Md 1. Drawing room, *four hours a week. Two credit hours.* MR. KENT, MR. SAWYER, MR. MCNEARY

2a. Drafting.—Continuation of orthographic projections, with isometric and perspective projections, topographical symbols and their application, map reproduction and enlarging, and blueprinting. Prerequisite, Md 1. Drafting room, *four hours a week. Two credit hours.* MR. MCNEARY

3. Descriptive Geometry.—The elementary principles and problems of descriptive geometry, including intersections and developments. Prerequisite, Course 1. Recitation and drawing room, *six hours a week. Two credit hours.* MR. KENT, MR. SAWYER, MR. MCNEARY

4. Advanced Machine Drafting.—Drafting room methods and procedure; technical sketching and the making of working drawings of machine parts. Prerequisite, Course 2. Drawing room, *six hours a week. Two credit hours.* MR. KENT, MR. SAWYER, MR. MCNEARY

9; 10. Agricultural Drafting.—Especially for students in Agriculture and for others who are not engineers. This course combines the fundamental principles of Courses 1 and 2. Drawing room, *four hours a week. Two credit hours.* MR. KENT

54a. Shades and Shadows.—The principles of the casting of shadows on and by architectural objects. A half-semester course. Prerequisite, Course 1. Drafting room, *four hours a week. One credit hour.* MR. KENT

54b. Perspective.—The principles of architectural perspective and the making of the same. A half-semester course. Prerequisite, Course 1. Drafting room, *four hours a week. One credit hour.* MR. KENT

LECTURE COURSES

Gc 5-6. Orientation.—A course of lectures, given at eleven o'clock Monday morning, for Technology freshmen to acquaint them better with various fields of study and occupational opportunities. Given in the fall semester by Technology and other University staff members; in the spring, by engineers and business and professional men. Open to the public. *One-half credit hour.* MR. CLOKE

MAINE TECHNOLOGY EXPERIMENT STATION

General Statement.—By action of the Board of Trustees, June, 1915, the establishment of the Maine Technology Experiment Station was authorized. This station is under the direct control of the Dean of the College of Technology and the heads of the departments.

Income.—The income of the Station is derived from University appropriations and from the State Highway Department.

Object.—The objects of the Station are to carry on practical research in engineering subjects, make investigations for State boards and municipal authorities, furnish scientific information to the industries of the State, and distribute accurate scientific knowledge to the people of the State.

Equipment.—Most of the Station offices and highway materials laboratories are at present located in Wingate Hall, described in the section on University buildings. The Station is well equipped for the testing of concrete and highway materials, both bituminous and non-bituminous. Crosby Mechanical Engineering Laboratory is available for researches in the fields of hydraulics, steam-engineering, gas-engineering, metallography, and strength of materials. The electrical power laboratory in Lord Hall includes among its equipment a 150,000 volt testing transformer and standard instruments for calibration purposes. The communication laboratories in this building offer facilities for telephone transmission testing and radio research. The division of Pulp and Paper Technology in Aubert Hall is equipped for the testing of pulp and paper products. The highway materials laboratory in the basement of Wingate Hall and the new soil mechanics laboratory in the basement of Lord Hall have been jointly equipped by the Civil Engineering Department, the Maine State Highway Department, and this Station.

Investigations.—The principal line of research has been in the field of concrete and concrete materials. In this field, the Station, at the present time, is cooperating with the American Society for Testing Materials in the statistical analysis of data. As a result of the facilities offered by the new soil mechanics laboratory, research in soil mechanics has recently been undertaken. Researches are also being conducted in the electrical, mechanical, and chemical fields, as well as in the pulp and paper industry.

Publications.—The Station issues two series of publications: Bulletins and Papers. It has issued thirty-eight bulletins and thirty-nine papers. The papers have been issued as reprints from technical journals and magazines.

GENERAL COURSES

Not sponsored by a single College or School.

TUTORIAL HONORS

The purpose of the Tutorial Honors course is to afford the superior student an opportunity to pursue, under exceptionally favorable conditions, some subject which is deemed important in the equipment of the symmetrically educated person, but for which he has not yet found a place in his course of study. It is not intended to provide instruction in a student's major subject, but to enable him to gratify his intellectual curiosity in some new field. As a rule, only juniors or seniors who have attained the standard of the Dean's List may be admitted, although inclusion in that list is not strictly prerequisite, nor will it serve automatically to admit the student to the course. The course is designed solely for the benefit of the student of ability, ideas, and self-reliance who can profit by the free manner of tutorial instruction and close contact with an adviser specially qualified to direct his study. (This course is to be distinguished from the Junior Honors course of the College of Arts and Sciences.)

Gc 49. 50. Tutorial Honors.—The work is conducted by personal conferences and directed reading. The tutor is selected with the approval of the Committee on Honors Work. *Two credit hours.*

MILITARY SCIENCE AND TACTICS

LIEUTENANT COLONEL FULLER, LIUETENANT COLONEL *PERLEY, LIEUTENANT COLONEL BELL; CAPTAIN INGRAHAM, CAPTAIN LASK; FIRST LIEUTENANT †HODGES, FIRST LIEUTENANT HEALY; SERGEANT HARABOSKY, SERGEANT RINKAUS, SERGEANT ROY

Military instruction for freshman and sophomore men is required by law. Infantry and Coast Artillery Units of the Reserve Officers' Training Corps are maintained at the University in order to train officers for these branches

* Assigned to new station December 20, 1941.

† Assigned to new station March 4, 1942.

of the army and otherwise train students for positions of leadership in times of national emergency. The students are organized into infantry companies and coast artillery batteries, including a band. The whole is organized into a battalion officered by cadets.

Uniforms (except shoes and leather waist belts), arms, and military equipment are furnished by the Government.

Each student is required to have a pair of regulation shoes secured from the University. They become the student's property, and the cost is deducted from his military deposit. These shoes are purchased directly from the manufacturers and are charged to the student at cost.

The uniform prescribed is as follows:

For cadet commissioned officers, the olive-drab service uniform prescribed for officers of the U. S. Army, except that "R.O.T.C." insignia are used; for other than commissioned officers, the olive-drab service uniform prescribed for the R.O.T.C. Basic Course.

Cadets are required to wear the uniform when on military duty.

In the following schedule of courses, numbers 1 to 4, inclusive, are required of all physically fit male freshmen and sophomores, citizens of the United States, except students in the Two-Year Course in Agriculture. Course 5, 6 is elective for juniors and Course 7, 8 is elective for seniors. Selection by the Military Department is necessary for registration in these courses. The elective courses *once entered upon* become a prerequisite for graduation. Advanced course students receive monetary allowances from the Government.

Basic Course, Infantry

Freshman Year, Course 1, 2. Three hours a week, one and one-half credit hours a semester

First Semester—Military history and policy; military discipline, courtesy and customs of service; military sanitation and first aid; military organization; leadership, including drills and ceremonies.

Second Semester—Map reading; the rifle and rifle marksmanship; leadership.

Sophomore Year, Course 3, 4. Three hours a week, two credit hours a semester

First Semester—Automatic rifle; musketry; characteristics of infantry weapons and those of the supporting arms; leadership (review and continua-

tion of first year's training, stressing fundamentals of leadership).

Second Semester—Scouting and patrolling; combat principles of rifle squad and platoon in attack defense and security; leadership.

Advanced Course, Infantry

Junior Year, Course 5, 6. *Five hours a week, two credit hours a semester in the College of Agriculture, one and one-half credit hours a semester in the College of Arts and Sciences*

First Semester—Aerial photograph reading; infantry weapons; administration; leadership; care and operation of motor vehicles.

Second Semester—Review of rifle marksmanship; combat training (estimate of situation and combat orders; marches, security, development for combat, offensive and defensive combat, organization of the ground); combat principles; field fortifications; leadership; defense against chemical warfare.

Senior Year, Course 7, 8. *Five hours a week, two credit hours a semester in the College of Agriculture, one and one-half credit hours a semester in the College of Arts and Sciences*

First Semester—Military history and policy; military law; property and funds, methods of instruction; signal communications; military intelligence; supporting arms and services; anti-tank and anti-aircraft defense.

Second Semester—Combat training and Officers' Reserve Corps Regulations.

Basic Course, Coast Artillery

Freshman Year, Course 1, 2. *Three hours a week, one and one-half credit hours a semester*

First Semester—Military policy; sanitation and first aid; military organization; leadership; close-order drill.

Second Semester—Rifle marksmanship; weapons and materials; sea-coast and A.A. gun drill; ammunition; leadership; close-order drill.

Sophomore Year, Course 3, 4. *Three hours a week, two credit hours a semester*

First Semester—Characteristics of targets; map reading; basic gunnery; drill of seacoast artillery range sections; rigging; leadership; close-order drill.

Second Semester—Guard duty; rigging; care and operation of motor vehicles; drill of A.A. range section; leadership; close-order drill.

Advanced Course, Coast Artillery

Junior Year, Course 5, 6. *Five hours a week, two credit hours a semester*

First Semester—Aerial photographic reading; administration; defense against chemical warfare; fire control and position finding for seacoast artillery; gunnery for seacoast artillery; leadership.

Second Semester—Basic and applied gunnery, fire control and position finding for anti-aircraft artillery; rifle and pistol marksmanship; signal communications; leadership.

Senior Year, Course 7, 8. *Five hours a week, two credit hours a semester*

First Semester—Property, emergency procurement and funds; military law; military history and policy; mechanization; orientation; mess management; automatic weapons; leadership.

Second Semester—Combat orders and solution of problems; search lights; field fortifications; technique and elementary tactics, seacoast and anti-aircraft artillery; Officers' Reserve Corps; leadership.

Band

Course 11, 12. *Three hours a week, one credit hour a semester*

The band consists of two classes of students: (1) those who register for band and receive one hour of academic credit; (2) those who do not register but who usually play with the band on public appearances. Students registered for Band will practice two hours per week and play with the band on public appearances.

PROFESSOR LARSEN, LIEUTENANT HEALY

PHYSICAL EDUCATION AND ATHLETICS

Men's Division

PROFESSORS WALLACE, CURTIS, AND JENKINS; ASSISTANT PROFESSOR ALLEN;
MR. KENYON; MR. WOODBURY; MR. SEZAK

Athletics for men are under the supervision of the Athletic Board, composed of members of the faculty, alumni, trustees, and students. The man-

agement of athletics is in the hands of a faculty manager, who carries out the policies of the Athletic Board.

The schedules of all sports are arranged with the interests of both the University and the individual members of teams in mind. Letters and numerals are awarded by the Athletic Board to those men who earn them in competition in various sports. Admission to all home athletic contests is included in the blanket tax which is paid by each student at the time of registration.

Student managers are appointed in each sport and their work is carried on under the direction of the Faculty Manager. They are awarded letters in their sports at the satisfactory completion of their duties.

Teams are maintained in varsity, junior varsity, and freshman football, varsity and freshman cross country, varsity relay, varsity and freshman indoor and outdoor track, varsity and freshman baseball, varsity and freshman winter sports, varsity and freshman tennis, varsity and freshman basketball, and golf.

The organization of the Physical Education Department has been planned to give the student such experience and instruction as will enable him to establish habits of recreation which will serve to promote healthful physical activity both in college and after graduation. Especial emphasis will be placed upon out-of-door recreational exercises during the fall and spring, while the gymnasium will be used to its full extent during the winter months.

The Intramural Athletic Association is a part of the Physical Education Department, and was organized for the purpose of fostering athletics for men who are not participating in varsity sports at the time and for all others at any time. Competition is carried on by about twenty-five teams in eleven different sports.

It is the plan of the Department to furnish opportunity for everyone to participate in his favorite physical education activity.

1. 2. Physical Education.—Required of all freshmen. Outdoor and indoor mass games of all types; competitive individual sports, including boxing, wrestling, fencing, corrective exercises, winter sports, elementary apparatus work, and intramural sports. *Two hours a week, no credit.*

3. 4. Physical Education.—Required of all sophomores. Outdoor mass games and athletics, including touch football, volleyball, tennis, softball, horse shoes, winter sports, etc. Also indoor games of all types, corrective work, and apparatus work. *Two hours a week, no credit.*

that field; a comprehensive outline and critique of current practices; or a report of a project undertaken and carried on under competent direction.

For students carrying full registration during the regular sessions, the subject shall be submitted and approved by the end of the first semester. *The student is not formally admitted as a candidate for the master's degree until the thesis subject has been approved.* As the thesis forms a part of the thirty hours required for the above degrees, the student must register for it once, the same as for any course.

Detailed requirements for the form and arrangement of theses are found in a pamphlet with the title "Information Concerning the Preparation of Graduate Theses," which may be obtained at the office of the Dean of Graduate Study.

Degree of Master of Education.—The degree of Master of Education is intended for persons with teaching or administrative experience who desire to improve their professional efficiency but who have no intention of doing extended research or of pursuing graduate work beyond the master's degree. Students are not eligible to receive this degree until they have had at least three years of teaching or administrative experience.

The program for this degree, totalling thirty hours of credit, shall contain at least two graduate seminar courses amounting to four credits to be taken during the last three summers of work, and a paper for which two credits are given.

The paper may be of the following types: a critical exposition, a digest and analysis of the literature on a topic or problem, a report of a project undertaken and carried on under competent direction, or the statistical analysis of data on a problem. The subject and plan for this paper must be approved by the end of the fourth summer of work for the degree.

Examinations and Awarding of Degrees.—Near the end of the course of study for the master's degree, and after the thesis has been approved, if this is a requirement for his degree, the candidate will be required to pass an oral examination covering the work done, including the thesis or paper. On request of the major instructor, the time for such examination will be arranged by the Dean of Graduate Study to accord so far as possible with the convenience of all concerned. Oral examinations will ordinarily be held in the months of May and August, but at the discretion of the Executive Committee they may be held at other times.

* Graduates are required to receive their degree in person at Commencement unless especially excused by the President. Students completing their requirements in the summer, however, may have their degrees awarded in the early fall.

Harvey, Virginia, He.	<i>Ellsworth</i>	Balentine Hall
Haseltine, Frank Thomas, Eng.	<i>Pittsfield</i>	23 North Hall
Hasty, Robert Alley, Me.	<i>Kezar Falls</i>	Kell Street
Hatch, Harland Humphrey, Ee.	<i>Bowdoinham</i>	201 H. H. Hall
Hayes, Elaine, He.	<i>Bangor</i>	Balentine Hall
Heath, Glenn Brackley, Fy.	<i>Farmington</i>	407 Oak Hall
Herrick, Malcolm Parker, Ee.	<i>Blue Hill</i>	24 Pierce Street
Hewes, John Libbey, Me.	<i>Saco</i>	305 H. H. Hall
Hewett, Muriel Arlene, He.	<i>North New Portland</i>	Colvin Hall
Higgins, Barbara Ann, He.	<i>Longmeadow, Mass.</i>	Colvin Hall
Higgins, Ruth Richardson, Arts	<i>Bar Harbor</i>	Colvin Hall
Hill, Robert William, Ee.	<i>Bangor</i>	402 Oak Hall
Hill, William Ernest, Arts	<i>Newton Highlands, Mass.</i>	
		309 Oak Hall
Hodgkins, Elinor Louise, Arts	<i>Portland</i>	The Elms
Holden, Clayton Wilber, Ee.	<i>Jackman</i>	103 Oak Hall
Holden, Pauline Gertrude, Arts	<i>Bangor</i>	60 Elm Street, Bangor
Holmes, Julia Gilpatrick, He.	<i>Northcast Harbor</i>	Balentine Hall
Horzempa, Lewis Joseph, Ch.Eng.	<i>Winthrop</i>	Park Street
Hotte, Roland Joseph, Jr., Eng.	<i>Biddeford</i>	310 H. H. Hall
Howard, Donald Millett, Agr.	<i>North Monmouth</i>	
		384 College Avenue
Howe, Francis Eugene, Arts	<i>Greene</i>	304 H. H. Hall
Hulbert, Wayne Bunker, Me.	<i>Patten</i>	303 H. H. Hall
Hurd, Madeline Louise, Arts	<i>Rockland</i>	Balentine Hall
Hurley, Mary Elizabeth, Arts	<i>Skowhegan</i>	Balentine Hall
Hutchins, Marsden Clair, Ch.Eng.	<i>Orono</i>	78 Pine Street
Hutchins, Prudence, He.	<i>Cape Porpoise</i>	Balentine Hall
Ingalls, Kenneth Earle, Agr.	<i>LaGrange</i>	60 Park Street
Irwin, Richard Pitt, Arts	<i>Houlton</i>	304 Oak Hall
Jackman, Katherine Edith, Arts	<i>Calais</i>	The Elms
Jellison, Charles Albert, Arts	<i>Bangor</i>	341 French Street, Bangor
Jenness, Lawrence Stanley, Eng.	<i>Orono</i>	80 Forest Avenue
Jewell, Frank William, Me.	<i>Brewer</i>	
		57 Chamberlain Street, Brewer
Johnson, Alan Stanley, Ce.	<i>Lincolnville</i>	College Avenue
Johnson, Gladys Mae, Arts	<i>Portland</i>	Balentine Hall
Johnson, Jenny Meserve, Arts	<i>Bangor</i>	36 Royal Road, Bangor
Jones, George Allan, Ch.Eng.	<i>Damariscotta</i>	403 H. H. Hall
Jones, Raymond Dong, Arts	<i>Bangor</i>	137 Palm Street, Bangor

- | | |
|-------------------------------------|---|
| Kavanagh, George John, Arts | <i>Brooklyn, N. Y.</i> 24 Pierce Street |
| Kay, Greydon Allen, Eng. | <i>Bridgeport, Conn.</i> 310 Oak Hall |
| Keenan, Geraldine Florence, Arts | <i>Mars Hill</i> Balentine Hall |
| Kelley, Martin Almon, Eng. | <i>Dexter</i> 209 H. H. Hall |
| Kelley, Neal Bernard, Agr.Eng. | <i>Limestone</i> 303 H. H. Hall |
| Kelso, Elizabeth Adele, Arts | <i>Portland</i> The Elms |
| Kennedy, Gloria June, Arts | <i>Bangor</i> 159 State Street, Bangor |
| Kimball, Edith Helen, He. | <i>Reading, Mass.</i> Balentine Hall |
| Klopot, Matthew Francis, Agr. | <i>North Monmouth</i> 310 H. H. Hall |
| Knowles, Warren Elliott, Ch.Eng. | <i>Gloucester, Mass.</i> 104 H. H. Hall |
| Knudsen, Neal Richard, Eng. | <i>Portland</i> 111 Oak Hall |
| Kozicky, Adolph Raymond, Agr. | <i>Eatontown, N. J.</i> 24 North Hall |
| Krause, Robert William, Fy. | <i>Staten Island, N. Y.</i> 306 H. H. Hall |
| Lamprell, William Wasson, Fy. | <i>Baltimore, Md.</i> 102 H. H. Hall |
| Lane, Betty Marie, Arts | <i>Machiasport</i> Balentine Hall |
| Lapointe, Eleanor Rita, Arts | <i>Orono</i> 29 Forest Avenue |
| Lawrence, Frank Arnold, Jr., Arts | <i>North Lubec</i> 201 H. H. Hall |
| Lawry, William Redington, Eng. | <i>Fairfield</i> 395 College Avenue |
| Leclair, Joseph Roland, Eng. | <i>Augusta</i> 101 H. H. Hall |
| Leighton, Philip Sheldon, Ch.Eng. | <i>Cumberland Mills</i> 306 H. H. Hall |
| Lewis, Lillian Louise, He. | <i>Springfield</i> The Elms |
| Libby, Merton Eugene, Agr. | <i>Gorham</i> University Cabin |
| Libby, Russell Rogers, Me. | <i>Calais</i> 303 Oak Hall |
| Linnell, Mary Mincher, Arts | <i>Pembroke</i> The Elms |
| Lipphardt, Louis Edward, Ch.Eng. | <i>Marblehead, Mass.</i> 405 Oak Hall |
| Littlefield, Alvin Fuller, Jr., Bc. | <i>Portland</i> 110 Oak Hall |
| Littlefield, Emily Louise, He. | <i>Brewer</i> 92 Chamberlain Street, Brewer |
| Littlefield, Lyle Edwin, Agr. | <i>Monroe</i> 25 Grove Street |
| Littlefield, Romaine Faye, Arts | <i>Hampden Highlands</i> Colvin Hall |
| Lockett, Sally Blaisdell, Arts | <i>Winterport</i> Balentine Hall |
| Loeb, Leo Maurice, Arts | <i>Brookline, Mass.</i> 430 College Avenue |
| Lord, Richard Carter, Ch.Eng. | <i>Old Town</i> 238 South Main Street, Old Town |
| Lotker, George Howard, Arts | <i>Flushing, N. Y.</i> 107 Oak Hall |
| Low, Walter Norman, Me. | <i>South Portland</i> 312 H. H. Hall |
| Ludwig, Robert Sawyer, Me. | <i>Chelmsford, Mass.</i> 409 Oak Hall |
| Lunn, Robert Mitchell, Ch.Eng. | <i>Milltown</i> 309 H. H. Hall |

Lyford, Laurence Warren, Arts	<i>Brewer</i>	47 Harlow Street, Brewer
Lyon, Russell Phillip, Eng.	<i>Augusta</i>	102 Oak Hall
McAllister, John Weston, Arts	<i>Gorham</i>	23 Bennoch Street
MacBurnie, Geraldine Bernice, Arts	<i>Augusta</i>	Balentine Hall
McClellan, James Curtis, Jr., Ch.Eng.	<i>Wells</i>	11 North Hall
McClure, Luella May, Arts	<i>Dover-Foxcroft</i>	The Elms
McCrum, Delbert Keith, Agr.	<i>Mars Hill</i>	209 Oak Hall
McDonald, Shirley Kathleen, Arts	<i>Milo</i>	Balentine Hall
McEdward, Foster Albra, Me.	<i>Union</i>	Kell Street
McFarland, Janet Agatha, Arts	<i>Salisbury Cove</i>	Colvin Hall
McFarland, Richard Macomber, Eng.	<i>Portland</i>	111 H. H. Hall
McIntire, Frederick Sumner, Agr.	<i>Perham</i>	33 Bennoch Street
MacKenney, Norma Althea, Arts	<i>Duxbury, Mass.</i>	Colvin Hall
McKinney, Jean, He.	<i>Kennebunkport</i>	Balentine Hall
McLaughlin, Orland Frank, Arts	<i>Medway</i>	207 Oak Hall
McLaughlin, Reginald Hansford, Arts	<i>Medway</i>	102 H. H. Hall
McLean, Joyce, Arts	<i>Bar Harbor</i>	Colvin Hall
Macpherson, Stephen Robert, Jr., Arts	<i>Portland</i>	28 North Hall
Mahaney, John Joseph, Agr.	<i>Easton</i>	395 College Avenue
Maney, Alice Margaret, He.	<i>Ellsworth</i>	Colvin Hall
Manson, Jennie Elizabeth, Arts	<i>Seal Harbor</i>	Balentine Hall
Marble, William Coker, Ch.Eng.	<i>Skowhegan</i>	202 Oak Hall
Margone, John, Arts	<i>Old Orchard</i>	55 Bennoch Street
Marino, Robert Floyd, Arts	<i>Presque Isle</i>	83 Park Street
Marr, Mildred Bowen, Arts	<i>Searsport</i>	Colvin Hall
Marriott, John Cleveland, Eng.Ps.	<i>Groton, Mass.</i>	111 H. H. Hall
Marsh, Bernard Linwood, Arts	<i>Old Town</i>	25 Veazie Street, Old Town
Martin, Robert Goodale, Ge.	<i>China</i>	103 H. H. Hall
Mason, Richard Franklin, Me.	<i>Augusta</i>	404 Oak Hall
Maynard, Barbara Lorraine, He.	<i>Millinocket</i>	Balentine Hall
Mead, Donald Campbell, Eng.	<i>Marblehead, Mass.</i>	208 Oak Hall
Meader, Robert Andrew, Arts	<i>Whitinsville, Mass.</i>	403 H. H. Hall
Meehan, James Lees, Arts	<i>Hingham, Mass.</i>	395 College Avenue
Merchant, Robert Warren, Ch.	<i>Camden</i>	401 H. H. Hall
Merrill, Edith Louise, Arts	<i>Old Town</i>	18 High Street, Old Town
Mikalonis, Edmund, Eng.	<i>Lewiston</i>	410 Oak Hall
Millay, George Henry, Eng.	<i>Richmond</i>	308 Oak Hall

Miller, Douglas Stuart, Ch.Eng.	<i>Wollaston, Mass.</i>	409 H. H. Hall
Miller, Robert Marden, Ch.Eng.	<i>South Portland</i>	405 H. H. Hall
Mills, Neil Byron, Agr.	<i>Waldoboro</i>	304 H. H. Hall
Mills, Raymond Tower, Jr., Fy.	<i>Auburn</i>	104 Oak Hall
Mininni, Hormidas Antonio, Arts	<i>Biddeford</i>	30 North Hall
Minott, Ada Catherine, Arts	<i>Phippsburg</i>	Colvin Hall
Mitchell, Donald Ernest, Agr.	<i>Merrill</i>	25 Grove Street
Moody, Arthur Dewey, Ch.Eng.	<i>Waldoboro</i>	7 Kell Street
Mooney, James Ambrose, Arts	<i>Bangor</i>	
		358 Hancock Street, Bangor
Moore, Barbara, Arts	<i>Brockton, Mass.</i>	Colvin Hall
Moore, Margaret Ellen, He.	<i>Hartland</i>	The Elms
Moore, Priscilla Margaret, He.	<i>Dover-Foxcroft</i>	Colvin Hall
Morrill, George Franklin, Eng.	<i>West Farmington</i>	College Avenue
Morris, Alvin Neville, Arts	<i>Bangor</i>	363 Center Street, Bangor
Mosley, Lawrence Hollis, Arts	<i>West Franklin</i>	West Franklin
Moulton, Norman Wendell, Arts	<i>Springvale</i>	30 North Hall
Moulton, Robert Manning, Fy.	<i>Bangor</i>	401 H. H. Hall
Moulton, Willard Raymond, Eng.	<i>Sebago Lake</i>	311 H. H. Hall
Mulrooney, Vaughan Jerry, Bt. & En.	<i>Millinocket</i>	86 Mill Street
Murray, Stanley Allan, Ch.Eng.	<i>Rockland</i>	104 Oak Hall
Naugler, Warren Calvin, Arts	<i>South Brewer</i>	
		433 South Main Street, South Brewer
Neal, Raymond Elwood, Jr., Ch.Eng.	<i>Marblehead, Mass.</i>	101 Oak Hall
Nelson, Charles Leigh, Fy.	<i>Greenville</i>	410 H. H. Hall
Nelson, Robert William, Ch.Eng.	<i>Attleboro, Mass.</i>	409 H. H. Hall
Nevers, Madeline Phyllis, He.	<i>Norway</i>	Colvin Hall
Nicholson, John Daniel, Me.	<i>East Millinocket</i>	110 H. H. Hall
Nock, Edmund Kenneth, Ch.Eng.	<i>Marblehead, Mass.</i>	109 Oak Hall
Norwood, Arthur Lorenzo, Ce.	<i>Bangor</i>	Arminta Street, Bangor
Oakes, Elmer Roger, Arts	<i>Unity</i>	16 North Hall
Oakes, Nathan Prince, Jr., Me.	<i>Providence, R. I.</i>	25 North Hall
O'Beirne, Miriam Sheila, Arts	<i>Old Town</i>	
		212 Center Street, Old Town
O'Leary, Elizabeth Mary, He.	<i>Bangor</i>	Balentine Hall
O'Mara, Patrick Lawrence, Eng.	<i>East Millinocket</i>	211 Oak Hall
Otto, Helen Josephine, Arts	<i>Dexter</i>	Colvin Hall
Ouelette, Robert Armand, Me.	<i>Auburn</i>	204 H. H. Hall

Packard, Henry Edward, Eng.	Norway	411 H. H. Hall
Packard, Lucia Martin, Arts	Augusta	Balentine Hall
Page, Robert Harold, Arts	Newcastle	395 College Avenue
Palmer, Horace Stanley, Arts	Wellesley Hills, Mass.	209 H. H. Hall
Paradis, Romeo George, Arts	Bangor	125 Maple Street, Bangor
Park, William Crystall, Eng.	Brewer	219 State Street, Brewer
Partridge, Charles Sturtevant, Arts	Norway	109 H. H. Hall
Patch, Clifford Spruance, Eng.	Bangor	406 Oak Hall
Patten, Morton Clarence, Me.	Hampden Highlands	201 H. H. Hall
Patten, Robert Hampden, Arts	Hampden Highlands	211 H. H. Hall
Peacock, Thelma Eve, Arts	Auburn	The Elms
Pendleton, Roger Lee, Agr.	Carmel	25 Myrtle Street
Peppard, John William, Fy.	Belmont, Mass.	22 North Hall
Perry, Alton James, Agr.	Presque Isle	411 H. H. Hall
Perry, Vincent Michael, Agr.	Bangor	R.F.D. #2, Bangor
Perry, Wilfred Leon, Arts	Dexter	University Cabin
Peterson, Muriel Violet, Arts	Calais	Colvin Hall
Petreas, Gregory Nicholas, Arts	Biddeford	412 H. H. Hall
Pidacks, Charles, Ch.	Rumford	303 H. H. Hall
Pierce, Warren Frederick, Me.	Portland	311 Oak Hall
Pierson, Malcolm Herbert, Arts	Tenants Harbor	University Cabin
Pomeroy, Ashley Richards, Pa.	Newfane, Vt.	28 North Hall
Pooler, Gerard Henry, Arts	Bangor	92 Forest Avenue, Bangor
Porper, Charles Robert, Ch.Eng.	Gloucester, Mass.	404 H. H. Hall
Pratt, Leo Walter, Jr., Arts	Biddeford	201 H. H. Hall
Preble, Eleanor Mildred, He.	Bangor	31 Fairfax Street, Bangor
Prescott, Ethel Maud, He.	Guilford	87 Main Street
Price, Elizabeth Loraine, He.	Winn	The Elms
Priest, Sheldon Wesley, Agr.	Lowell	25 Grove Street
Ramsdell, Hollis Leroy, Jr., Agr.	Ellsworth	25 Grove Street
Randall, Emerson Earl, Ch.Eng.	North Berwick	University Cabin
Ranger, Hubert Orcutt, Ch.	Fairfield	306 Oak Hall
Reed, William Culbert, Me.	Hampden Highlands	23 North Hall
Rhodes, Alan Lockwood, Me.	Portland	105 Oak Hall
Rice, William Ward, Fy.	Montclair, N. J.	112 H. H. Hall
Richards, Carroll Huse, Ch.	Rockport	85 Main Street
Richards, David, Ch.Eng.	Wayland, Mass.	412 Oak Hall

Rigby, William Henry, Jr., Ch.Eng.	<i>Auburn</i>	101 Oak Hall
Rines, Bernard Pritchard, Agr.Eng.	<i>Westbrook</i>	207 Oak Hall
Ring, Carleton Blair, Agr.	<i>Richmond</i>	208 H. H. Hall
Roach, Eugene Madison, Agr.	<i>Smyrna Mills</i>	Park Street
Robertson, Allan Ronald, Fy.	<i>Lewiston Farm</i>	Boarding House
Robinson, Donald Walter, Agr.	<i>Bradford</i>	25 North Hall
Robinson, Ralph Edwin, Agr.	<i>Sherman Mills</i>	308 H. H. Hall
Rockwell, Edwin Curtis, Jr., Fy.	<i>Brandon, Vt.</i>	210 H. H. Hall
Rogan, Frank Joseph, Jr., Arts	<i>Bangor</i>	207 H. H. Hall
Rogers, Edmund Augustus, Jr., Arts	<i>Brookline, Mass.</i>	205 H. H. Hall
Rogers, George Alden, Jr., Arts	<i>Bath</i>	15 North Hall
Romanow, Bernard Herschel, Me.	<i>Portland</i>	305 Oak Hall
Ross, Richard Milne, Ee.	<i>Lexington, Mass.</i>	22 North Hall
Rourke, Arthur Louis, Ce.	<i>Winthrop</i>	410 Oak Hall
Rozelle, Barbara Phyllis, He.	<i>Bradford</i>	The Elms
Rozelle, Virginia Sheila, Arts	<i>Bradford</i>	The Elms
Russakoff, Philip, Arts	<i>Skowhegan</i>	107 Oak Hall
Rust, Myron Davis, Arts	<i>York Beach</i>	401 Oak Hall
Ryckman, DeVere Wellington, Me.	<i>South Boardman, Mich.</i>	80 Pine Street
Sawyer, Myrle Alberta, He.	<i>Saco</i>	The Elms
Scales, William Edward, 2nd, Ch.Eng.	<i>Watervliet, N. Y.</i>	304 H. H. Hall
Scheuchzer, Eugene Edward, Me.	<i>Portland</i>	202 H. H. Hall
Segal, Benjamin, Ch.Eng.	<i>Bangor</i>	R.F.D. #1, Bangor
Shapero, Rosalie, He.	<i>Bangor</i>	114 Essex Street, Bangor
Shaw, Priscilla, He.	<i>Norway</i>	Balentine Hall
Shea, Joan Helen, He.	<i>Bangor</i>	150 Parkview Avenue, Bangor
Sheltra, Carl Felix, Arts	<i>Biddeford</i>	401 H. H. Hall
Shepardson, Arno Haskell, Ee.	<i>Bingham</i>	55 Bennoch Street
Sjostedt, Richard Harding, Agr.	<i>Stockholm</i>	College Avenue
Skiffington, Sidney Willis, Fy.	<i>Guilford</i>	203 H. H. Hall
Smaha, Albert Herbert, Arts	<i>Portland</i>	23 North Hall
Small, Carolyn Arlene, Arts	<i>Steep Falls</i>	Colvin Hall
Smallwood, Elmer John, Me.	<i>Patten</i>	103 H. H. Hall
Smiley, Barbara Lucille, He.	<i>Waterville</i>	The Elms
Smith, Arnold Harding, Agr.	<i>Limerick</i>	7 Kell Street
Smith, George Edward, Arts	<i>Belmont, Mass.</i>	103 H. H. Hall
Smith, Herschel Almon, Agr.	<i>Mars Hill</i>	209 Oak Hall
Smith, Norman Everett, Eng.	<i>Waterville</i>	109 H. H. Hall

Smith, Owen Harold, Ge.	<i>Mapleton</i>	Park Street
Smith, Priscilla Marcia, Arts	<i>Cumberland Center</i>	42½ Oak Street
Smith, Robert Nesbitt, Agr.	<i>Presque Isle</i>	310 Oak Hall
Smith, Russell Wayne, Agr.	<i>Mapleton</i>	13 North Hall
Smith, Sheldon Donald, Ce.	<i>Skowhegan</i>	Park Street
Smith, Warren Greenwood, Me.	<i>Skowhegan</i>	112 H. H. Hall
Smyth, John Robert, Jr., Agr.	<i>Orono</i>	50 College Avenue
Soucy, Clifford Doris, Agr.	<i>Grand Isle</i>	195 Middle Street, Old Town
Speirs, Garrett DeForrest, Jr., Me.	<i>Bangor</i>	20 North Hall
Spencer, Howard Errington, Jr., Fy.	<i>North Lccds</i>	395 College Avenue
Sprague, James Bernard, Jr., Arts	<i>Franklin</i>	66 Park Street
Spruce, Raymond George, Arts	<i>Milford</i>	Milford
Stackpole, Margaret Evelyn, Arts	<i>Augusta</i>	Balentine Hall
Stackpole, Philip Wyllie, Ce.	<i>Augusta</i>	411 Oak Hall
Stacy, Helen Katherine, He.	<i>Shirley</i>	The Elms
Stacy, Ruth Marguerite, He.	<i>Dover-Foxcroft</i>	Colvin Hall
Stacy, Wayne Oliver, Eng.	<i>Kear Falls</i>	110 H. H. Hall
Stearns, Benedict Richard, Agr.	<i>Oakland</i>	411 H. H. Hall
Stearns, Ruth Myrtle, He.	<i>South Paris</i>	The Elms
Steele, Annette Elizabeth, He.	<i>Presque Isle</i>	Colvin Hall
Stevens, Carol, Arts	<i>Portland</i>	Balentine Hall
Stewart, Virginia Marice, Arts	<i>Waterville</i>	Colvin Hall
Stuart, Pauline Mary, Arts	<i>Old Town</i>	9 Pine Street, Old Town
Sturtevant, Vaughn Raymond, Arts	<i>Livermore Falls</i>	211 Oak Hall
Sullivan, John Joseph, Ee.	<i>Waterville</i>	Park Street
Swasey, Irma Louise, Arts	<i>Lincoln</i>	20 Forest Avenue
Sylvester, Vella Dawn, He.	<i>Mars Hill</i>	Colvin Hall
Tarr, Ethel Ann, Arts	<i>Baltimore, Md.</i>	Colvin Hall
Temple, Robert Stephen, Me.	<i>Woburn, Mass.</i>	308 Oak Hall
Thayer, Edwin Morton, Ce.	<i>Sanford</i>	33 Pond Stret
Thibodeau, Francis Oswald, Arts	<i>Caribou</i>	203 Oak Hall
Thomas, Stanley Whitaker, Arts	<i>Guilford</i>	411 H. H. Hall
Thomas, Vernley Fred, Ch.Eng.	<i>Bucksport</i>	College Avenue
Thompson, Albert Webster, Ee.	<i>Lowell, Mass.</i>	12 North Hall
Thompson, John Frederic, Eng.	<i>South Portland</i>	205 H. H. Hall
Thompson, Robert Morris, Fy.	<i>Wellesley, Mass.</i>	212 H. H. Hall
Thompson, Ruth Evangeline, He.	<i>Bangor</i>	297 French Street, Bangor

Thompson, Vernard William, Ch.Eng.	<i>Cherryfield</i>	406 H. H. Hall
Thorne, Bertram Ellis, Arts	<i>St. Albans</i>	402 Oak Hall
Thornton, George Appleton, Agr.	<i>Boston, Mass.</i>	15 Middle Street
Threlfall, Robert, Me.	<i>Wellesley Hills, Mass.</i>	24 Pierce Street
Thurlow, William Thomas, Arts	<i>Fryeburg</i>	201 Oak Hall
Tibbetts, Arthur Jackson, Agr.	<i>Palermo</i>	88 Park Street
Titcomb, Ellwood Arthur, Ch.Eng.	<i>Bangor</i>	331 Buck Street, Bangor
Torrey, Allen Lovell, Ce.	<i>North Weymouth, Mass.</i>	101 H. H. Hall
Torrey, Donald Ralph, Bt. & En.	<i>Rye, N. Y.</i>	209 H. H. Hall
Towle, Lawrence Burton, Agr.	<i>Easton</i>	210 H. H. Hall
Trembly, Gregory Charles, Arts	<i>Old Town</i>	45 Elm Street, Old Town
Tsacalotos, Peter, Pa.	<i>New York, N. Y.</i>	210 H. H. Hall
Turner, Eldon Barker, Fy.	<i>Hartford, Conn.</i>	311 H. H. Hall
Turner, Robert Wesley, Me.	<i>Augusta</i>	411 Oak Hall
Vafiades, Nicholas Vassor, Me.	<i>Bangor</i>	550A Hammond Street, Bangor
Valdes, Donald Manuel, Arts	<i>Roselle Park, N. J.</i>	206 H. H. Hall
Varnum, Robert Nelson, Ch.Eng.	<i>Lowell, Mass.</i>	301 H. H. Hall
Vennett, Kenneth Francis, Arts	<i>Bath</i>	301 H. H. Hall
Verrill, Walter Jackson, Ce.	<i>Wayne</i>	College Avenue
Vickery, Earle Wendell, Jr., Ce.	<i>Greenville Junction</i>	101 H. H. Hall
Vose, Clement Ellery, Arts	<i>Houlton</i>	309 H. H. Hall
Wadsworth, Edward George, Ch.	<i>Eastport</i>	7 Kell Street
Wallingford, Otto Henry, Agr.Eng.	<i>Auburn</i>	110 H. H. Hall
Walls, Leone Edna, Arts	<i>Mars Hill</i>	Colvin Hall
Walsh, George Adams, Arts	<i>Ogunquit</i>	110 H. H. Hall
Warner, Benjamin Isaac, Jr., Ce.	<i>Bryant Pond</i>	20 North Hall
Washburn, William Brewster, Eng.	<i>Monmouth</i>	26 Island Avenue
Waterman, Richard Douglas, Agr.	<i>North Haven</i>	Stillwater
Wedge, Peter Joseph, Arts	<i>Brewer</i>	2 Brook Street, Brewer
Wentworth, Grace Elizabeth, Arts	<i>Presque Isle</i>	Balentine Hall
Wescott, Earle, Me.	<i>Bucksport</i>	26 North Hall
Weston, William Nathan, Agr.Eng.	<i>Madison</i>	College Avenue
Wheaton, Carl Richard, Eng.	<i>Bar Harbor</i>	412 Oak Hall
Wheeler, Clyde Lawrence, Fy.	<i>Farmington</i>	201 H. H. Hall
White, Benjamin Franklin, Ch.Eng.	<i>Madison</i>	Kell Street

White, Phyllis Margaret, He.	<i>Augusta</i>	Balentine Hall
White, Sarah Jane, Arts	<i>Old Town</i>	
	426 Center Street, Old Town	
Whitman, Dana Trask, Jr., Arts	<i>Bangor</i>	174 Parkview Avenue, Bangor
Whitney, Albert Edward, Jr., Me.	<i>Bath</i>	312 H. H. Hall
Whitney, Freeman William, Fy.	<i>Harrison</i>	406 H. H. Hall
Whitney, Jacob Bagley, Agr.	<i>Prentiss</i>	26 Peters Street
Wilbur, John Edmund, Ch.Eng.	<i>Cape Cottage</i>	111 Oak Hall
Wilkes, Lynn Borthwick, Me.	<i>Newton Centre, Mass.</i>	
	21 North Hall	
Williams, Cecil Ormand, Agr.Eng.	<i>Presque Isle</i>	University Cabin
Williams, Patricia Ellis, Arts	<i>Windsor</i>	Colvin Hall
Williams, Roger Leonard, Jr., Me.	<i>Auburn</i>	110 Oak Hall
Wing, Lawrence Alvin, Ce.	<i>Flagstaff</i>	406 Oak Hall
Wing, Virginia Robinson, Arts	<i>North Anson</i>	Colvin Hall
Withers, Georgene Martha, He.	<i>Oakland</i>	
	57 Veazie Street, Old Town	
Wood, Frank Boardman, Arts	<i>Bangor</i>	Box 926, Bangor
Wood, Richard Louis, Me.	<i>Portland</i>	410 H. H. Hall
Wood, Robert Coolidge, Fy.	<i>Gloucester, Mass.</i>	311 Oak Hall
Work, Winslow Albert, Eng.	<i>Bangor</i>	302 H. H. Hall
York, Kent Hersey, Eng.	<i>Medway</i>	403 Oak Hall
Young, Byron Austin, Agr.	<i>Ashland</i>	309 Oak Hall
Young, Donald Malcomb, Ch.Eng.	<i>South Walpole, Mass.</i>	
	311 H. H. Hall	
Young, Thomas Jefferson, Jr., Me.	<i>Millinocket</i>	403 H. H. Hall
Zook, Joseph Michael, Ch.Eng.	<i>Biddeford</i>	18 Oak Street

SPECIALS

Barrows, John Clifford, Eng.	<i>Glen Ridge, N. J.</i>	B Θ Π House
Emmett, Stora William, Ed.	<i>Old Town</i>	173 Center Street, Old Town
Evans, Richard Edward, Ba.	<i>Orono</i>	227 Main Street
Falardeau, Edward John, Agr.	<i>Rumford</i>	Α Τ Ω House
Fuller, George Virgil, Jr., Sh.	<i>Waltham, Mass.</i>	
	69 Forest Avenue	

Gardner, Charles Edmond, Eng.	<i>Wakefield, Mass.</i> Λ X A House
Guptill, Edward William, Me.	<i>Bangor</i> 112 Ohio Street, Bangor
Haskell, Weston Bradford, Jr., Fm.	<i>Wellesley Hills, Mass.</i>
	B Θ II House
Kruse, Paul Frederick, Ge.	<i>Bangor</i> 40 Howard Street, Bangor
Lewis, John, Jr., Ch.Eng.	<i>Skowhegan</i> Φ K Σ House
Lewis, Margaret Dora, Ed.	<i>Bangor</i> Finson Road, Bangor
Mennes, Norman Alfred, Sh.	<i>Santa Ana, Calif.</i> 4 Myrtle Street
Moody, Louise Gray, Arts	<i>Old Town</i> 78 North Fourth Street, Old Town
Mulvany, Jane, Arts	<i>Bangor</i> 57 Pearl Street, Bangor
Rowley, Charles Cecil, III, Eng.	<i>Summit, N. J.</i> Σ X House
Savage, John Lewis, Eng.	<i>Brewer</i> B Θ II House
Shepard, George Clark, Me.	<i>West Newton, Mass.</i> 203 Oak Hall
Small, Bernice Mae, Arts	<i>Old Town</i> 216 Stillwater Avenue, Old Town
Smith, Liv Lundevall, He.	<i>Orono</i> 102 North Main Street
Speirs, James Rolfe, Arts	<i>Portland</i> 395 College Avenue
Stanley, John Leigh, Agr.	<i>Milbridge</i> University Cabin
Stuart, Lucia Ann, Eh.	<i>Orono</i> 15 Cedar Street
Suomi, Into Matt, Ed.	<i>Bangor</i> 267 Ohio Street, Bangor
Sutton, Joseph Stickney, Agr.	<i>West Roxbury, Mass.</i> Σ X House
Tew, John Charles, Jr., Agr.	<i>Westfield, N. J.</i> Φ K Σ House
Trefethen, Joseph Muzzy, Eng.	<i>Orono</i> 24 Forest Avenue
West, Danforth Emerson, Ba.	<i>Bangor</i> Φ Γ Δ House

TWO-YEAR COURSE IN AGRICULTURE

FIRST YEAR

Angis, Joseph Pierre	<i>Old Orchard</i> 55 Bennoch Street
Avery, Maurice Elliott	<i>Williamstown, Mass.</i>
	310 H. H. Hall
Bessey, Sidney Waterman	<i>Buckfield</i> 430 College Avenue
Bradeen, Frederick Clair	<i>Milo</i> Stillwater
Brautlecht, Robert Andrew	<i>Orono</i> 63 Bennoch Street
Burgoyne, Charles Richard	<i>Fort Kent</i> Veazie
Condon, Hollis Everett	<i>Presque Isle</i> 25 Grove Street
Daigle, Leo Paul	<i>Presque Isle</i>
	297 South Main Street, Old Town

PROFESSIONAL DEGREES

The professional degrees of Chemical Engineer (Ch.E.), Civil Engineer (C.E.), Electrical Engineer (E.E.), and Mechanical Engineer (M.E.) may be conferred upon graduates in the curricula of Chemistry, Chemical Engineering, or Pulp and Paper Technology, Civil Engineering, Electrical Engineering, and Mechanical Engineering, respectively, upon the completion of the requirements stated below. Graduates receiving the degree of Bachelor of Science in General Engineering are eligible to receive, upon the completion of the requirements listed below, the professional degree of Chemical Engineer, Civil Engineer, Electrical Engineer, or Mechanical Engineer, depending upon the field of work of the candidate and the judgment of the dean and the heads of departments in the College of Technology. The degree of Forest Engineer (F.E.) has likewise been authorized to recognize professional advancement in Forestry.

The presentation of a satisfactory thesis, which shall constitute an original contribution to the advance of engineering, is required of all candidates. The candidate must hold a position of responsibility and must have accomplished professional work of eminence for a period of at least five years subsequent to graduation. A full and complete statement covering the professional experience of the candidate must be presented at the time of registration. Candidates are expected to be present in person to receive their degrees.

NEW REGISTRATIONS

373

Damren, John Edwin	<i>Readfield</i>	25 Grove Street
Dingley, Edward Sylvester	<i>Farmington</i>	College Avenue
Dublinsky, Morris Aaron	<i>Malden, Mass.</i>	60 Forest Avenue
Gordon, Alexander	<i>Portland</i>	36 Grove Street
Hamblen, Joseph Albert, Jr.	<i>Gorham</i>	University Cabin
James, Harry Donald	<i>Arlington, Va.</i>	207 H. H. Hall
Koris, Frank Joseph	<i>Rumford</i>	30 North Hall
Krug, William David	<i>Portland</i>	87 Park Street
McFarland, Guy Cecil	<i>Frankfort</i>	Frankfort
Manuel, Warren Everett	<i>Belmont, Mass.</i>	110 Oak Hall
Nutter, William Ernest	<i>Sanford</i>	11 North Hall
Oatway, Gordon Charles	<i>Augusta</i>	36 Grove Street
Rice, Richard Nash	<i>Portland</i>	87 Park Street
Scamman, Richard Edward	<i>White Plains, N. Y.</i>	312 Oak Hall
Ward, Harold Edward, Jr.	<i>Kennebunk</i>	35 Grove Street
Weatherbee, Roland Joseph	<i>Monmouth</i>	25 Grove Street
Whitcher, Daniel Albert	<i>Freeport</i>	Kell Street
White, Carroll Eugene	<i>Bangor</i>	Essex Street, Bangor

SECOND YEAR

Bailey, Clarence Junior	<i>Andover</i>	25 Grove Street
Bubar, Ivan Bliss	<i>Littleton</i>	Park Street
Buzzell, Donald Warren	<i>Fryeburg</i>	Φ M Δ House
Chandler, Daniel Prescott	<i>Farmington</i>	College Avenue
Hitchings, Harland Samuel	<i>Skowhegan</i>	55 Bennoch Street
Jellison, Gerald Earle	<i>Bangor</i>	279 Essex Street, Bangor
Long, Wendell Morgan	<i>East Blue Hill</i>	25 Grove Street
Maddocks, Gerald Bryan	<i>Northeast Harbor</i>	Θ X House
Mitchell, Richard Wescott	<i>South Portland</i>	A Γ P House

SPRING SEMESTER, 1942

NEW REGISTRATIONS

GRADUATE STUDENTS

Dyer, Harold Jacobson, B.S., Wc. Maine, 1940	<i>Gorham</i>	Milford
---	---------------	---------

Keith, Philip Edward, B.S., Ed. Colby, 1926	<i>Charleston</i>	Charleston
Lekberg, Howard Parker, B.S., Me. Worcester Polytechnic Institute, 1932	<i>Orono</i>	43 Pine Street
Veayo, Galen Irving, B.A., Ed. Maine, 1931	<i>Auburn</i>	451 Court Street, Auburn
Woodbury, Harold Mace, B.S., Ed. Maine, 1937	<i>Orono</i>	7 Park Lane

SENIORS

Burke, Mary Frances, L.A. & N.	<i>Bangor</i>	State Street, Bangor
Gorman, John Carroll, Es.	<i>Wellesley, Mass.</i>	Σ X House
Greenlaw, Donald Olive, Ms.	<i>Jay</i>	Φ M Δ House
Lobley, Frank Merrill, Ba.	<i>Bangor</i>	498 Main Street, Bangor
Loring, Ruth Eileen, He.	<i>Orono</i>	79 Bennoch Street
Pineo, Priscilla, L.A. & N.	<i>Milo</i>	Estabrooke Hall, North

SOPHOMORES

Girard, Frances Amala, He.	<i>Portland</i>	Balentine Hall
----------------------------	-----------------	----------------

FRESHMEN

McGown, Philip Talmadge, Eng.	<i>Buckfield</i>	33 Pond Street
-------------------------------	------------------	----------------

SPECIALS

Hamlin, John Gilbert, Eng.	<i>Gorham, N. H.</i>	23 Bennoch Street
Holland, Edward Joseph, Eng.	<i>Bangor</i>	356 French Street, Bangor
Thibreau, Marie, Ed.	<i>Bangor</i>	102 Fern Street, Bangor
Wilkins, Janice Helen, Hy	<i>East Walpole, Mass.</i>	Balentine Hall

The following students in Liberal Arts and Nursing are enrolled for hospital training:

EASTERN MAINE GENERAL HOSPITAL

Alice Janet Bartlett	<i>Orono</i>
Eileen Lucille Butler	<i>Dover-Foxcroft</i>
Alice Eleanor Heald	<i>Old Town</i>
Janet Grace Monohon	<i>Brewer</i>
Dorothy Edith Randall	<i>Oakland</i>
Natalie Marion Stevens	<i>Bangor</i>

CENTRAL MAINE GENERAL HOSPITAL

Helen Audrey Alexander	<i>Saco</i>
Sarah Elizabeth Burleigh	<i>Augusta</i>
Ruth Elizabeth Eastman	<i>Augusta</i>
Barbara Muirhead Gowen	<i>Saco</i>
Lorraine Alberta Rowell	<i>Saco</i>
Betty Jane Ryan	<i>Woolwich</i>

SUMMER SESSION, 1941

STUDENTS REGISTERED FOR GRADUATE CREDIT

Adams, Elsie Cleveland, A.B., Sh. Colby, 1925	<i>Waterville</i>
Andrews, Roland Butterfield, B.S., Ed. Colby, 1928	<i>Lee</i>
Baker, Gwendolyn Marie, B.S., He. Ed. Maine, 1939	<i>Brewer</i>
Barnett, George Albert, B.S., Ch. St. Lawrence, 1937	<i>Fort Plain, N. Y.</i>
Bartlett, Eleanor Pearl, B.S. in Ed., Ed. Boston University, 1939	<i>Dover-Foxcroft</i>
Benner, Helen Frances, B.A., Eh. Maine, 1928	<i>Bangor</i>
Boyer, Azalea Ladner, B.A., Eh. Maine, 1938	<i>Kittery Point</i>
Brackett, Madalene, B.A., Ms. Maine, 1925	<i>Milo</i>

Brawn, Edith Mabel Tate, B.S., Eh. Maine, 1907	<i>Westbury, N. Y.</i>
Brocato, Samuel Anthony, B.S. in Ed., Ed. Rutgers, 1938	<i>Machias</i>
Brockway, Philip Judd, B.A., M.A., Eh. Maine, 1931, 1940	<i>Orono</i>
Brooks, Helen Furber, B.S., He. Ed. Farmington Normal, 1930	<i>New Sharon</i>
Brown, Esther Elizabeth, B.S., He. Ed. Nasson, 1940	<i>Ellsworth</i>
Brown, Florence Helen, B.S., Ed. Illinois Wesleyan, 1930	<i>Ottawa, Ill.</i>
Browning, Neva Lenore, B.A., Eh. Maine, 1915	<i>Orono</i>
Canon, Bertha Violet, B.A., M.A., Hy. Smith, 1912; Maine, 1940	<i>Pittsfield, Mass.</i>
Cary, Dorothy Arlene, A.B., Fr. Bates, 1939	<i>Presque Isle</i>
Chaplin, Stuart Carlisle, B.A., Ed. Maine, 1931	<i>Milo</i>
Chase, Lunette Adeline, B.S. in Ed., Ed. East Stroudsburg State Teachers, 1933	<i>Stroudsburg, Pa.</i>
Clark, Vera Louise, B.S., Ed. University of Illinois, 1935	<i>Ottawa, Ill.</i>
Clough, Stella Josephine, B.S., A.M., Ed. Columbia, 1928, 1931	<i>Montclair, N. J.</i>
Collins, Eugene William, A.B., Eh. Villanova, 1933	<i>Paulsboro, N. J.</i>
Conant, Priscilla, B.S., Eh. Boston University, 1930	<i>Old Town</i>
Coons, Erwin Leach, B.S., Ms. Wesleyan, 1930	<i>Poughkeepsic, N. Y.</i>
Croxford, Horace Alcander, B.A., Ed. Maine, 1930	<i>Orono</i>
Crozier, Edgar Raymond, B.A., Ms. Maine, 1932	<i>Stonington</i>
Cruikshank, Eleanor M. A., B.S., Ed. Maryland, 1938	<i>Baltimore, Md.</i>
Davis, Mary Helen, B.S. in Ed., Ed. Salisbury State Teachers. 1940	<i>Galena, Md.</i>

Day, Dorothy, B.A., Hy. Maine, 1940	<i>Orono</i>
Dekin, Albert Arch, B.S., Ed. Maine, 1932	<i>Howland</i>
Dennett, Winburn Albert, B.S., Ed. Maine, 1918	<i>Hopedale, Mass.</i>
Doe, Arthur Franklin, B.S. in Ed., Ed. Gorham Normal, 1938	<i>Sheepscott</i>
Donald, Edmund William, B.P.E., Ed. Springfield, 1921	<i>Troy, N. Y.</i>
Dorr, Frank Edward, A.B., Ed. Bates, 1925	<i>Freeport</i>
Dorsey, Mary Merle, A.B., Eh. Marshall, 1937	<i>Thomas, W. Va.</i>
Dow, Dorrice Helen, B.S., He. Ed. Maine, 1940	<i>Bangor</i>
Downs, Walter Alanson, B.S. in Ed., Ed. Maine, 1935	<i>Kenduskeag</i>
Estes, Margaret Julia, A.B., Ed. St. Elizabeth, 1921	<i>Bangor</i>
Estey, Evelyn MacDonald, A.B., Fr. Colby, 1927	<i>Lubec</i>
Fairchild, Rowena Evelyn, A.B., Sh. Bates, 1941	<i>Jay</i>
Fairchild, Ruth Evelyn, B.S., He. Ed. Maine, 1917	<i>Jay</i>
Fitzherbert, Eleanor Margaret, B.A., Eh. Maine, 1928	<i>Orono</i>
Flynn, James Hammond, B.A., Ms. Maine, 1938	<i>Machiasport</i>
Flynt, Willard Curtis, A.B., Ed. Colby, 1934	<i>Glens Falls, N. Y.</i>
Folsom, Marie Theresa, B.S., Ed. Maine, 1939	<i>Orono</i>
Foote, Idah Frances, B.Ed., Py. Illinois State Normal University, 1922	<i>Clinton, Ill.</i>
Fowlie, Howard Douglass, B.A. in Ed., Ed. Maine, 1938	<i>Castine</i>
Freedman, Harry, A.B., LL.B., Hy. and Gt. College of the City of New York, 1924; Columbia, 1928	<i>Brooklyn, N. Y.</i>

Gale, Nellie Isabella, B.S. in Ed., Ed. Maine, 1933	<i>Bangor</i>
Gehres, Bonnie Lee, B.S. in Ed., Sh. Ohio State, 1925	<i>Cleveland, Ohio</i>
Gilman, Stanwood Cushing, B.S. in Ed., Ed. Boston University, 1933	<i>Sebasco Estates</i>
Gleason, Eleanor Mary, B.S., Zo. Simmons, 1932	<i>Wakefield, Mass.</i>
Gleason, Wallace Fred, Jr., B.A., Ms. Maine, 1938	<i>Orono</i>
Godwin, Halsted Buel, B.A., Sh. Maine, 1941	<i>Orono</i>
Googins, Elva Elizabeth, B.A., Hy. Maine, 1937	<i>Ellsworth</i>
Gordon, John Lee, B.S., Ch. Maine, 1933	<i>Portland</i>
Graham, Harriet Bounds, B.S., Ed. Salisbury State Teachers, 1940	<i>Mardela Springs, Md.</i>
Gregory, Selma Lavinia, B.S., He. Ed. Maine, 1934; Simmons, 1936	<i>Boothbay Harbor</i>
Groff, Mary Spotten, B.A., Eh. Lebanon Valley, 1934	<i>Columbia, Pa.</i>
Hale, William Wallace, B.S., Ed. Colby, 1925	<i>Easton</i>
Hall, John Raymond, Ph.B., Eh. Brown, 1934	<i>Swansea, Mass.</i>
Hall, Walter Randall, A.B., Hy. Brown, 1940	<i>Swansea, Mass.</i>
Hanscom, Norma Frances, B.S., He. Ed. Farmington Normal, 1937	<i>East Lebanon</i>
Harlow, Robert Lowe, B.S., Ed. Colby, 1930	<i>Bingham</i>
Harmon, George Henry, B.S., A.B., Ed. Bates, 1904	<i>Raymond, N. H.</i>
Harrison, Walter Lawrence, B.S., Eh. Syracuse, 1936	<i>West Winfield, N. Y.</i>
Healy, Richard Wyman, B.A., Ed. Maine, 1938	<i>Orono</i>
Henderson, Arthur Alexander, B.S., Ms. Maine, 1940	<i>Anson</i>

Hersey, Lilla Clarke, B.A., A.M., Eh. Maine, 1921; Columbia, 1928	<i>Bangor</i>
Hector, Cathryn Rita, B.S. in Ed., Ed. Maine, 1936	<i>Old Orchard Beach</i>
Hopke, George Karl, B.S. in Ed., Ed. New York University, 1935	<i>Freeport, N. Y.</i>
Hoskin, Edith May, A.B., Ed. Colby, 1933	<i>Houlton</i>
Hughes, James Milton Charles, B.S., Eh. Montgomery State Teachers, 1940	<i>Tuscaloosa, Ala.</i>
Hunnewell, Clayton Moore, B.A., Ed. Maine, 1929	<i>Tenants Harbor</i>
Huntington, Elizabeth Alling, B.S. in Ed., Ed. Rutgers, 1932	<i>Maplewood, N. J.</i>
Ingalls, Hollis Page, B.S., Ed. Maine, 1935	<i>Machias</i>
Johnson, Margaret Elva, B.A., Ms. Maine, 1927	<i>Bangor</i>
Jones, Kenneth Gordon, A.B., Ed. Bates, 1935	<i>Brewer</i>
Jones, Merle Sewall, B.S. in Ed., Ed. Maine, 1935	<i>Liberty</i>
Judkins, Eshburn Oscar, B.S., M.S. in Ed., Ed. Maine, 1923; Bates, 1938	<i>Wypitlock</i>
Keith, Philip Edward, B.S., Ed. Colby, 1926	<i>Charleston</i>
Kelley, Linwood John, B.A., Ed. Maine, 1931	<i>Lewiston</i>
Kellner, Armin Abraham, B.A., Gt. Miami, 1940	<i>Miami, Fla.</i>
Kellner, Kay Tannenbaum, B.A., Hy. Miami, 1940	<i>Miami, Fla.</i>
Kent, Frank Holmes, B.S. in Ed., Ed. Maine, 1939	<i>Milford</i>
Knight, Evelyn Bertha, B.S., He. Ed. Farmington Normal, 1937	<i>Westbrook</i>
Kolouch, Joseph Frederic, B.S., M.S., Ed. Maine, 1926, 1927	<i>Mapleton</i>
Kuhlmann, Martha Johanna, B.S., M.A., Eh. New York University, 1928, 1931	<i>Brooklyn, N. Y.</i>

Lancaster, Barbara Alice, B.A., Ed. Maine, 1937	<i>Old Town</i>
Landau, Max Louis, B.S.S., A.M., Ed. College of the City of New York, 1922; Columbia, 1929	<i>New York, N. Y.</i>
Layfield, Mary Elizabeth, B.S. in Ed., Py. Temple, 1937	<i>Coatesville, Pa.</i>
Leighton, Mary Elizabeth, B.A., Ed. Maine, 1938	<i>Alfred</i>
Leighton, Melvin Theodore, B.S. in Ed., Ed. Maine, 1939	<i>Bangor</i>
Lindsey, Walter Kenneth, B.S., Ed. Bates, 1932	<i>Union</i>
Little, Eleanor Nightingale, A.B., M.A., Eh. Wellesley, 1909; Wisconsin, 1931	<i>Dubuque, Iowa</i>
Lockwood, John Elmer, Jr., B.S., Ed. Maine, 1924	<i>Douglas Hill</i>
McCormick, Rose Caroline, A.B., Hy. Mount St. Mary College, 1939	<i>Concord, N. H.</i>
MacKenney, Leroy Nelson, B.A., Ed. Maine, 1920	<i>Duxbury, Mass.</i>
MacLaughlin, Christine Marie, B.A., Py. Maine, 1927	<i>Carmel</i>
McLean, James Allan, Jr., B.S. in Ed., Ed. Maine, 1938	<i>Bangor</i>
McNaughton, Vance Leonard, B.S., Ed. Colby, 1928	<i>Lubec</i>
Mann, Ivie Wendell, B.S. in Com. Ed., Ed. Maine, 1940	<i>Orrington</i>
Mason, Ruth Brightman, B.A. in Com. Ed., Ed. Bryant College, 1940	<i>Somerset Centre, Mass.</i>
Matthews, Rachel, B.A., Ms. Maine, 1930	<i>Hampden Highlands</i>
Miller, Louise Brookes, B.A., Ed. Bethany, 1931	<i>Orono</i>
Miller, Rose Mary, B.S., Eh. Middlebury, 1933	<i>Groton, Vt.</i>
Moore, Elizabeth Baston, B.A., Fh. Maryville, 1941	<i>Patten</i>

More, Emma Faldon, B.S. in Ed., Ed. Wittenberg, 1933	<i>Lorain, Ohio</i>
Morse, Frank Leander Staples, B.A., M.A., Ed. Maine, 1922, 1937	<i>Rockland</i>
Murray, Greta Estelle, A.B., Eh. Colby, 1934	<i>Brownville Junction</i>
Murtha, George Lester, A.B., Ed. Birmingham-Southern, 1930	<i>New Britain, Conn.</i>
Myers, Frank William, B.A., Ed. Maine, 1935	<i>Millinocket</i>
Neipp, Ernest George, B.A., Ed. Birmingham-Southern, 1929	<i>New Britain, Conn.</i>
Newell, Harry Severy, A.B., Ch.Eng. Bates, 1921	<i>Orono</i>
Nislow, Lena, B.S., M.A., Ed. New York University, 1926; Fordham, 1929	<i>Brooklyn, N. Y.</i>
Norton, Frances Anacleta, B.S. in Ed., Ed. Bridgewater State Teachers, 1934	<i>Charlestown, Mass.</i>
Nutter, Jennie Louise, A.B., Hy. Colby, 1926	<i>Hinckley</i>
Orr, Mary Josephine, B.A., Hy. Maine, 1939	<i>Old Town</i>
Packard, Estelle Ritchie, B.R.E., Ed. Boston University, 1921	<i>Dover-Foxcroft</i>
Perry, Mary Katherine, B.A., Ed. Maine, 1936	<i>Orono</i>
Phillips, James William, A.B., Ed. New York State College for Teachers, 1920	<i>Woodbury, N. J.</i>
Pickering, Carl Wyvern, B.A., Ed. Maine, 1933	<i>Deer Isle</i>
Pillsbury, Albert Elliot, B.S., M.S., Ed. New Hampshire, 1926, 1927	<i>Madison</i>
Pope, Gardner Chase, A.B., Ed. Bowdoin, 1934	<i>East Machias</i>
Powell, Floyd Llewellyn, B.S. in Ed., Ed. Maine, 1935	<i>Fort Kent</i>
Pulaski, Nellie Adeline, B.S. in Ed., Ed. Worcester State Teachers, 1940	<i>Springfield, Mass.</i>

Randall, Adeline Gertrude, Ed.B., Ed. Rhode Island College of Education, 1930	<i>Woonsocket, R. I.</i>
Raymond, Gordon Byron, B.S. in Ed., Ed. Maine, 1938	<i>Robinson's</i>
Reid, Elizabeth Hunt, B.S., He. Ed. Maine, 1939	<i>Augusta</i>
Rice, Ella Elizabeth, A.B., Ed. Bates, 1938	<i>Waterford</i>
Richmond, John Doody, A.B., M.Ed., Ed. Emory and Henry, 1931; Duke, 1939	<i>Tazewell, Va.</i>
Riley, Clyde Elwood, A.B., Ed. Colby, 1927	<i>Westboro, Mass.</i>
Robinson, Glenn Meredith, B.S. in Ed., Ed. Maine, 1940	<i>Bangor</i>
Robinson, Orett Forest, B.S. in Ed., Ed. Boston University, 1928	<i>Thomaston</i>
Rogers, Mary Cook, B.S., He. Ed. Maryland, 1929	<i>Braddock Heights, Md.</i>
Rothenberg, Alan Baer, B.A., A.M., Eh. Columbia, 1928, 1931	<i>Brooklyn, N. Y.</i>
Russell, John Weldon, B.S., Ed. Maine, 1932	<i>Millinocket</i>
Ryan, Gertrude Georgiana, B.S., Py. New York University, 1941	<i>Hempstead, L. I., N. Y.</i>
Saunders, Ethel Stover, B.A., Ed. Maine, 1931	<i>Bucksport</i>
Scannell, Alice, B.S., A.M., J.D., Ed. Chicago, 1923, 1939; De Paul, 1931	<i>Chicago, Ill.</i>
Schmitt, Leonard John, A.B., Ed. Kentucky Wesleyan, 1931	<i>New Britain, Conn.</i>
Seavey, Barbara Eunice, B.S. in Ed., Hy. Maine, 1939	<i>Bangor</i>
Sezak, William, B.S. in Ed., Ed. Boston University, 1938	<i>Colebrook, N. H.</i>
Sibley, Violet McSorley, B.S., He. Ed. Farmington Normal, 1930	<i>Guilford</i>
Simmons, Dana Maxwell, B.S., Hy. Colby, 1931	<i>Orono</i>
Skidds, Albert Leroy, AB., Ed. Colby, 1933	<i>Jonesboro</i>

MAINE AGRICULTURAL EXPERIMENT STATION

Government of the Station.—The affairs of the Station, by authority of the Trustees, are considered by the Station Council, composed of the President of the University, three members of the Board of Trustees, the Director of the Station, the heads and associates of the various departments of the Station, the Dean of the College of Agriculture, the Director of the Extension Service, the Commissioner of Agriculture, one member each from the State Pomological Society, the State Grange, the State Dairymen's Association, the Maine Livestock Breeders' Association, and the Maine Poultry Improvement Association, and two members representing the potato industry, one from Aroostook County and one from central Maine. The recommendations of the Council are referred to the Trustees for final action. The Director is the executive officer, and the other members of the staff carry out the lines of research that naturally come under their departments.

Object.—The purpose of the agricultural experiment stations is defined in Acts of Congress establishing them and providing further funds for their support as follows:

"It shall be the object and duty of said experiment stations to conduct original researches or verify experiments—bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective States and Territories," and "including such scientific researches as have for their purpose the establishment and maintenance of a permanent and efficient agricultural industry, and such economic and sociological investigations as have for their purpose the development and improvement of the rural home and rural life."

Income.—The income of the Station is derived from the following sources: Federal and State appropriations, payments for inspection analyses made for the Commissioner of Agriculture, and from the sale of farm produce. Since 1937, the Station has received funds regularly from the Potato Industry Tax for the support of special studies with potatoes.

Equipment.—Most of the Station offices are in Holmes Hall. Agricultural Economics is located in Winslow Hall and Home Economics in Merrill Hall. There are laboratories also in The Maples and in Aubert Hall. The Station is equipped with laboratories and apparatus for the conduct of

Smart, Johnnet, B.A., Ed. Louisiana State Normal, 1933	<i>Logansport, La.</i>
Smith, Catherine Louise, B.S. in Ed., Eh. Boston University, 1939	<i>Cambridge, Mass.</i>
Smith, Helen Elizabeth, B.A., Sh. St. Lawrence, 1931	<i>West Englewood, N. J.</i>
Smith, Ralph Stanley, A.B., Ed. Bowdoin, 1930	<i>Nantucket, Mass.</i>
Snell, John Alden, B.S., Ed. Maine, 1927	<i>Hampden</i>
Stahl, Jeannette Olivia, A.B., Ed. Bates, 1931	<i>Rockland</i>
Stanton, Francis William, B.S., Ed. Springfield, 1933	<i>Schuylerville, N. Y.</i>
Stinchfield, Roger Maxim, B.S., Ch.Eng. Maine, 1939	<i>Wayne</i>
Tarbell, Gerald Elwin, B.S., Ed. St. Lawrence, 1934	<i>Herkimer, N. Y.</i>
Thompson, Frances Ellen, B.S., He. Ed. Buffalo State Teachers, 1940	<i>Pearl River, N. Y.</i>
Thurrell, Myron Bartlett, B.S. in Ed., Ed. New Hampshire, 1935	<i>Torrington, Conn.</i>
Toothaker, Alberta Ryal, B.S., He. Ed. Farmington Normal, 1937	<i>Orrington</i>
Townsend, Bertha Idelle, A.B., Ed. Tufts, 1939	<i>Whitman, Mass.</i>
Townsend, Emma Julia, B.A., Ed. Wellesley, 1929	<i>Bangor</i>
Trainor, Kathleen Marie, B.Ed. M.Ed., Ed. Boston University, 1934, 1938	<i>Dorchester, Mass.</i>
Trice, Evelyn Bradley, A.B., Ed. Western Maryland, 1929	<i>Hurlock, Md.</i>
Trice, Otis Milton, A.B., Ed. Western Maryland, 1930	<i>Hurlock, Md.</i>
Tuttle, Irene Frances, B.S. in Ed., Ed. Bridgewater State Teachers, 1931	<i>Hampden Highlands</i>
Vannah, Mary Alice, A.B., Eh. Bates, 1938	<i>East Boothbay</i>
Vannah, Sherman, B.S., Ms. Maine, 1938	<i>Waldoboro</i>

Carter, Bertha Wheeler	<i>Etna</i>
Casavant, Henri Aimé, A.B., M.A. Bowdoin, 1927; Middlebury, 1940	<i>Augusta</i>
Chambers, Eleanor Norton, B.S. in Ed. Temple, 1936	<i>South Portland</i>
Chase, Edith Maude	<i>Gardiner</i>
Christensen, William Mathias, Jr.	<i>Auburn</i>
Ciocca, Winifred Marie	<i>LaSalle, Ill.</i>
Clarke, Lucien Gill	<i>Corydon, Ia.</i>
Clarke, Priscilla Hope	<i>Ellsworth</i>
Coffin, Hazel Sharpe	<i>Caribou</i>
Coggeshall, Ruth Lee, B.S. Rhode Island State College, 1936	<i>Auburn</i>
Cole, Margaret Alice	<i>Bangor</i>
Cole, Ruby Emery	<i>Hampden Highlands</i>
Colson, Winifred Louise	<i>Stockton Springs</i>
Conlon, Katherine Cecelia	<i>New Cumberland, W. Va</i>
Constantine, Clement Earle	<i>Bangor</i>
Coppedge, Betty Louise	<i>Leavenworth, Kansas</i>
Corson, Aura Leona	<i>Harmony</i>
Couillard, Marion Edith	<i>Hampden Highlands</i>
Cowan, Marion Eliza	<i>Montague, Mass.</i>
Crandall, Lola Bessie	<i>Oakfield</i>
Crandall, Marshall Ney, II	<i>Oakfield</i>
Crandall, Nellie Mildred	<i>Oakfield</i>
Crosby, Beryl Orissa	<i>Bangor</i>
Crowell, Jane	<i>Bangor</i>
Curtis, Viola Bernice	<i>Bucksport</i>
Daigle, Claire Delia	<i>Bangor</i>
Darrah, Anne Margaret	<i>Ashland, Pa.</i>
Davis, Donald Hasbrouck	<i>Duxbury, Mass.</i>
Davis, Robert Thomas	<i>Old Town</i>
Davis, Ruth Attean	<i>Old Town</i>
Day, Frederick Porter	<i>Hampden</i>
DeWitt, Lena Margaret	<i>Bangor</i>
Dieth, Viola Marjorie, B.A. Tulane, 1937	<i>New Orleans, La.</i>
Domogalla, Gladys Eleanor	<i>Twin Falls, Idaho</i>
Dooley, Annie Bradbury	<i>Bangor</i>
Doore, Orman Brown	<i>Lynnfield Centre, Mass.</i>
Dority, Anna Howard	<i>Old Town</i>

Douglass, Irwin Bruce, B.S., Ph.D. Monmouth College, 1926; Kansas, 1932	<i>Orono</i>
Dow, Grace Augusta, B.S. Columbia, 1930	<i>Saco</i>
Dow, Leslie Alexander	<i>Stillwater</i>
Downes, Bernice Mae	<i>Hampden Highlands</i>
Doyle, Dorothy Sara	<i>Woodland</i>
Drinkwater, Edna Antoinette	<i>Belfast</i>
Dunn, Nora	<i>Cambridge, Md.</i>
Durrenberger, Jane Belle, A.B., A.M. Indiana University, 1918, 1924	<i>Bedford, Ind.</i>
Dwyer, Maurice John, Jr., B.A., M.A. Yale, 1935, 1940	<i>Greenfield, Mass.</i>
Eaton, Norma Florence	<i>Belfast</i>
Eggeman, Benjamin Rudolph, B.S. Yale, 1941	<i>Lakewood, Ohio</i>
Ekman, Edith Claire	<i>Ogunquit</i>
Eldridge, John William	<i>Orono</i>
Elliott, May Taylor	<i>San Francisco, Calif.</i>
Emerson, Vera Mae	<i>Hampden</i>
Emerson, Wilbur Merritt, Jr.	<i>Bangor</i>
Emond, Florence Dorothy	<i>Madison</i>
Evans, Esther Frances	<i>Madison</i>
Evans, Helen, M.A. Smith, 1930	<i>Trenton, N. J.</i>
Evans, Richard Edward	<i>Orono</i>
Fahey, John Henry	<i>Bangor</i>
Farnham, Lillian Spinney	<i>Bangor</i>
Farnum, Francis Hamilton, Jr.	<i>Augusta</i>
Faulkingham, Grace Ethel	<i>Bangor</i>
Fauset, Marian Roberta	<i>Philadelphia, Pa.</i>
Faux, Edith Keeler, A.B., M.A. Mt. Holyoke, 1928; Columbia, 1940	<i>Newark, N. J.</i>
Feeley, J. Warren	<i>New Harbor</i>
Felker, Tena Gertrude	<i>Carmel</i>
Fellows, Miriam	<i>Bangor</i>
Finnegan, John Gerard	<i>Bangor</i>
Firstenberg, Florence	<i>Brooklyn, N. Y.</i>
Fitzpatrick, John Bithell	<i>Lancaster, Pa.</i>
Fletcher, James Spencer	<i>Mansfield, Mass.</i>
Folsom, Doris Lewis	<i>Newport</i>

Foss, Anna Lillian	<i>Jonesboro</i>
Fountaine, Madeline Sarah	<i>Alton</i>
Fox, Helen Clifford	<i>Rangeley</i>
Fox, Ruth Emma	<i>Bangor</i>
Franklin, Anne, A.B.	<i>Bangor</i>
Emerson College, 1940	
Gamber, Alfred David	<i>Pelham, N. Y.</i>
Gardner, Harriet Josephine	<i>Lubec</i>
Gehres, Maxine Fay, B.S. in Ed.	<i>Cleveland, Ohio</i>
Ohio State, 1926	
Giberson, Hamilton Sylvanus	<i>Oakland</i>
Giberson, Maynard Carroll	<i>Oakland</i>
Gillespie, Daniel Chaplin	<i>Bangor</i>
Gonner, Anna Marie, A.B., M.A.	<i>Dubuque, Iowa</i>
St. Mary-of-the-Woods College, 1925 ;	
Columbia, 1926	
Goodell, Marion Hazel	<i>Bangor</i>
Gootee, Mary Victor	<i>East New Market, Md.</i>
Goss, Grace Bartlett	<i>Portland</i>
Gould, Bertha Mary	<i>Madison</i>
Gould, Olive Lowell	<i>Brewer</i>
Grant, Buford Leach	<i>Bangor</i>
Grant, Samuel Carl, Jr., A.B.	<i>East Orange, N. J.</i>
Princeton, 1933	
Gray, Medora Moore	<i>East New Market, Md.</i>
Green, Rachel Helena	<i>Hope, N. D.</i>
Greene, Raphael William	<i>West Enfield</i>
Gregory, Marie Anne, B.S.	<i>Caribou</i>
Regis, 1941	
Griffin, Barbara Eileen	<i>Rockland</i>
Griffin, Edna Mae	<i>Bangor</i>
Gusha, Anna Pearl	<i>Brewer</i>
Gutkin, Milton	<i>Brooklyn, N. Y.</i>
Hadley, Benjamin Levi, Jr.	<i>Bar Harbor</i>
Hahn, Richard Frederick, B.S.,	<i>Easton, Pa.</i>
Pennsylvania State, 1929	
Hammond, Ione Frances	<i>Bangor</i>
Harris, Genevieve Philbrook	<i>Lebanon</i>
Haskell, Frances Willard	<i>Salisbury Cove</i>
Hassell, Bernice	<i>Sebec Station</i>
Hastings, Alice Marie	<i>Portland</i>

Hatch, Hester Marcia	<i>Rockland</i>
Hauben, Saul Sidney, B.S., M.A.	<i>Brooklyn, N. Y.</i>
Brooklyn Polytechnic, 1927; Columbia, 1928	
Hawkins, Frances Phyllis	<i>East Machias</i>
Hawthorne, Kingsley Walter	<i>Kenduskeag</i>
Hawthorne, Manning, A.B., A.M.	<i>Old Town</i>
Bowdoin, 1930; North Carolina, 1937	
Herrick, Ella May	<i>East Eddington</i>
Hersey, Richard Winslow	<i>Portland</i>
Herthum, Florence Minnie	<i>Oriskany, N. Y.</i>
Hill, Frederick Peletiah, A.B., A.M.	<i>Jackson Heights, N. Y.</i>
Syracuse, 1922; Columbia, 1933	
Hill, Helen Jenny	<i>Chazy, N. Y.</i>
Hinckley, Harriett Palmer	<i>Hinckley</i>
Hinckley, Mildred Chase	<i>Blue Hill</i>
Hoit, Lura Elizabeth	<i>Hampden Highlands</i>
Holgate, Lillian Pendexter	<i>Portland</i>
Horton, Marian Gertrude	<i>Calais</i>
Houston, John Jones	<i>Brewer</i>
Howard, Hazel Roberta	<i>Milo</i>
Huey, Homer Sanford	<i>Hampden Highlands</i>
Hulse, Harry Boutelje	<i>Tenafly, N. J.</i>
Hume, Robert Marshall, Jr.	<i>Millinocket</i>
Hunter, Anita Mary	<i>Patten</i>
Hurd, Ellen Rae	<i>Orono</i>
Huston, Letty Waltina	<i>Lisbon Falls</i>
Jackson, Robert Allan, B.A.	<i>New Bedford, Mass.</i>
Maine, 1941	
Jackson, Maud Arline	<i>Morrill</i>
Jackson, Nora Elizabeth	<i>Augusta</i>
Jaffe, Saul, B.S.	<i>Brooklyn, N. Y.</i>
New York University, 1927	
Jellison, Arthur William	<i>Boothbay Harbor</i>
Jellison, June House	<i>Bar Harbor</i>
Jellison, Ruth Clark	<i>Bar Harbor</i>
Johnson, Ronald Charles	<i>Perry</i>
Johnston, Jacqueline	<i>Bangor</i>
Jones, Doris Shuman	<i>Liberty</i>
Jowdry, Earle Edward	<i>Brownville</i>
Kealiher, Clyde Bates	<i>Brewer</i>
Keen, Harriet Elizabeth	<i>Rochester, N. Y.</i>

Kelley, Margaret Helen	<i>Bangor</i>
Kimball, Sabra Iantha	<i>Hampton Highlands</i>
Kitchin, Irene Thelma	<i>Palermo</i>
Klein, Frederic William	<i>Newton Center, Mass.</i>
Kloppenburger, Eleanor, B.A., M.A.	<i>East Orange, N. J.</i>
Mt. Holyoke, 1925; Columbia, 1926	
Kochenderfer, Margaret Elizabeth, A.B.	<i>Elkins, W. Va.</i>
West Virginia, 1932	
Lancaster, Bessie Wiseman	<i>Old Town</i>
Landau, Frances Oswald, A.B., M.A.,	<i>Bronx, New York, N. Y.</i>
Hunter, 1923; New York University, 1927	
Leith, Elizabeth Harriet	<i>Scituate, Mass.</i>
Littlefield, Julia Olive	<i>Stillwater</i>
Lobozzo, George Vincent	<i>Auburn</i>
Lombard, Emily Ethel	<i>Portland</i>
Loomis, Dorothy Tuck, B.E., M.E.	<i>Shoshone, Calif.</i>
Boston University, 1925	
Lord, George Edward, B.S.	<i>Rumford</i>
Bates, 1916	
Lord, Richard Carter	<i>Old Town</i>
Lunn, Hazel Elizabeth	<i>Milltown</i>
Lutz, Flora Hermion, B.A., M.A.	<i>Old Town</i>
Maine, 1937, 1938	
McCarthy, Harriet Tyler	<i>Brooklin</i>
McCarthy, Mary Elizabeth	<i>Bangor</i>
McCobb, Helen Gertrude, B.S. in Ed.	<i>Center Lincolnville</i>
Maine, 1938	
McConachie, Adele Jessie	<i>Springfield, Mass.</i>
McCormack, Mary Medora, B.S.	<i>White Plains, N. Y.</i>
New York University, 1941	
MacCrae, Dorothy Avery	<i>Bangor</i>
McGee, Maude Ellen	<i>Orono</i>
McKay, Ruth	<i>Old Town</i>
McKenney, Marian Elizabeth	<i>Newport</i>
McLaughlin, Ruth Helen, B.S. in Ed.	<i>Washburn</i>
Maine, 1938	
MacLeod, Leo Mansell	<i>Bangor</i>
Mack, Jean C.	<i>Bangor</i>
Malatesta, Norina Marie, B.S.	<i>Arlington, Mass.</i>
Boston University, 1931	
Mann, Sadie Mills	<i>Orrington</i>

- | | |
|--|--------------------------------|
| Manning, Mabel Maude | <i>Newtonville, Mass.</i> |
| Markman, Charlotte Edith | <i>St. Louis, Mo.</i> |
| Marr, Wendell Albert | <i>Hartland</i> |
| Marston, Fannie May | <i>Hampden Highlands</i> |
| Marston, Leslie Pembroke | <i>Westbrook</i> |
| Marston, Margaret DaForest | <i>East Orange, N. J.</i> |
| Martin, Sarah Hortense | <i>Waterville</i> |
| Matheson, Margaret Easton, A.B. | <i>Rockland</i> |
| Colby, 1934 | |
| Matteson, Mildred G. | <i>Johnson City, N. Y.</i> |
| Mayhew, Elizabeth Kelly | <i>Hyattsville, Md.</i> |
| Mayhew, Polly Hillman, B.S. | <i>Hyattsville, Md.</i> |
| Maryland, 1936 | |
| Mayo, Helen Natalie, B.S., M.A. | <i>Potsdam, N. Y.</i> |
| Maine, 1926, 1936 | |
| Meadows, Virginia Elizabeth | <i>Punxsutawney, Pa.</i> |
| Meyer, Elizabeth Margaret, B.S. in Ed., M.A. | <i>Westfield, N. J.</i> |
| New York University, 1935, 1940 | |
| Michell, Leon George, B.S. | <i>Lynn, Mass.</i> |
| Tufts, 1941 | |
| Miller, Lenora Aletha | <i>East Holden</i> |
| Miller, Louida Mary | <i>Carmel</i> |
| Miner, Ann Ursula | <i>Groton, Conn.</i> |
| Monahan, Felice Beitel | <i>Detroit, Mich.</i> |
| Mongovan, Harold Eaton, Jr. | <i>Bangor</i> |
| Moore, Janice Rachel | <i>Bangor</i> |
| Mullaney, Ellen Mary, B.A., M.A. | <i>Bangor</i> |
| Maine, 1930, 1940 | |
| Myers, Mary Ellen Ursula | <i>Sheldon, Iowa</i> |
| Nadelman, Alfred Hans, M.A. | <i>Philadelphia, Pa.</i> |
| State University, Berlin, Germany | |
| Nealey, Everett Thornton | <i>Old Town</i> |
| Neill, Harry Danby | <i>Rockville Center, N. Y.</i> |
| Nelson, Laura Augusta, A.B. | <i>Mechanic Falls</i> |
| Bates, 1917 | |
| Nelson, Mildred Bernice | <i>Cherry Valley, N. Y.</i> |
| Newcombe, Hazel Jeannette | <i>Wayne</i> |
| Nickerson, Clare Arrene | <i>Hampden</i> |
| Norton, Hazel Corneille | <i>Mount Vernon, N. Y.</i> |
| Novitski, Frank Aloysius, B.Ed., M.S. | <i>Manitowoc, Wis.</i> |
| Oshkosh State Teachers, 1928; Northwestern, 1935 | |

O'Neil, Elizabeth Mary
 O'Roak, Amy
 Orr, Helen Louise
 Paegelow, Helen Emma
 Page, Leonard Cleveland
 Panyarjun, Kusa
 Parks, Margaret Elizabeth
 Patten, Laverna Arline
 Pattison, Nancy
 Peacock, Kathleen
 Pendleton, Frank Emerson
 Pendleton, Lulu Miller
 Peterson, Chester Earl
 Peterson, Leona Bernese
 Phelon, Edith Hilma
 Phillips, Chrystal Marsh
 Pilch, Mary Elizabeth
 Place, Charles Hyett, Jr., A.B.

Colgate, 1938

Pless, Dorothy Lillian
 Poor, Sylvia
 Porter, Florence Elizabeth
 Powers, Catherine Chase
 Pratt, Muriel Elizabeth
 Prescott, Gwendolen Alice
 Pressaw, Francis Clyde
 Pressley, Verna Leola
 Pride, Lona Althea, B.S. in Ed.

Boston University, 1932

Prunier, Elmer Eneas, LL.B.

South Carolina, 1920

Puffer, Roberta
 Rankin, Earle Alfred
 Redmond, William Lawrence
 Reed, Beulah Turner
 Reed, Victor Errol, B.S.

Bates, 1924

Rcilly, Mada Christine
 Reynolds, Mary
 Robbins, Frederick Grover, Jr.
 Roberts, Reginald Thomas

New York, N. Y.
 Presque Isle
 Narberth, Pa.
 Jersey City, N. J.
 Presque Isle
 Washington, D. C.
 Waterville
 Carmel
 Lincolnville Beach
 Council Bluffs, Iowa
 Caribou
 Carmel
 Worcester, Mass.
 Orono
 Farmington, Conn.
 East Holden
 Bloomfield, N. J.
 New Rochelle, N. Y.

Brooklyn, N. Y.
 Lynnfield, Mass.
 Augusta
 Milo
 Oxford
 Manchester, Conn.
 Beaver Falls, N. Y.
 Haynesville
 Island Falls

Old Orchard Beach

Columbia
 Melrose, Mass.
 Bangor
 Harmony
 Harmony

Johnstown, Pa.
 Waterville
 Bangor
 Bethel

Robertson, Erma Llewellya
 Robinson, Lois Alice
 Rose, Gerald Albert
 Ross, Annie Estelle
 Rothenberg, Vivian Stein
 Rudman, Stanley Hillel
 Russell, Doris
 Ryder, Loretta Frances
 Sawyer, Elcey
 Sawyer, Haven, Jr.
 Sawyer, Milford George
 Seabury, Edwin Morey
 Serota, Louis, B.S.

Brooklyn Polytechnic, 1921

Sewall, Joseph
 Shannon, Clayton William
 Shaw, Elizabeth Appleby
 Sheppard, Edna Fay
 Slingsby, Mary Elizabeth
 Smital, Charlotte Roseann
 Soderberg, Robert Howes
 Soper, Marie Jewett
 Soule, Laurence William
 Southard, Alma Avis
 Spruce, Helen Carmelita
 Steinmetz, Margaret Olive, B.S.

Maine, 1940

Stevens, Alice Eunice
 Stevens, Eleanor Brayton, A.B., A.M.

Vassar, 1922; Columbia, 1936

Stinchfield, Sarah Georgia
 Stuart, Richard Kenneth, B.S., M.S.

Rhode Island State College, 1938, 1940

Stuart, Richard Kingsley, A.B.

Washington and Lee, 1937

Stubbs, Doris Baker
 Sullivan, Claire Marie
 Sutter, Amber Elvena
 Sweet, Mildred Lois
 Swenson, Irma Frideborg

Presque Isle
Thomaston
Ridlonville
West Lubec
Brooklyn, N. Y.
Bangor
White Plains, N. Y.
St. Louis, Mo.
Warren
Bangor
Lee
Orono
Brooklyn, N. Y.

Old Town
St. Petersburg, Fla.
Perry
Plainfield, N. J.
Ottawa, Ill.
Lombard, Ill.
Hartford, Conn.
Newport
Augusta
Kenduskeag
Old Town
Orono

Farmington
Avon, N. Y.

Bangor
Orono

Millers Falls, Mass.

Hampden Highlands
Nashua, N. H.
Presque Isle
East Holden
Worcester, Mass.

Symon, Eva Louise, A.B. San Francisco State Teachers', 1933	<i>San Francisco, Calif.</i>
Talips, Philip Larry, B.S. Bucknell, 1939	<i>Clifton, N. J.</i>
Theriault, John Phillip Thompson, Harold, B.S. in Ed. Hyannis State Teachers, 1940	<i>Old Town Swansea, Mass.</i>
Thompson, Julian Page Thompson, Mildred Ada Thorne, Pamela Melcher Tildsley, Margaret, B.A. Smith, 1922	<i>Bangor Orono Turner Center New York, N. Y.</i>
Tomlinson, Eleanor Mary, B.S. Wilson, 1924	<i>Pennington, N. J.</i>
Tooley, Gordon Kenneth Torrey, Rita Frances Trainor, Francis James Trowell, William Edward, A.B. Holy Cross, 1914	<i>Greenwich, Conn. Cherryfield Washington, D. C. Bangor</i>
Tweedie, James Kerr Tyler, Dorothea Merle Vose, Elizabeth Hope Wahl, Ivan Jansan Walker, Anne Margaret Walker, Bette Jane Walker, Patricia Ann Walsh, Mary Anne Warren, James Lester Webber, George Franklin Webber, Lewis Ervin Weeks, Gertrude Welch, Catherine Elizabeth Welch, Helen Call Wellington, Agnes Ward Wellington, John Coggin Weston, Iva Mertelle Wheelwright, Hilda Thoreau Whitney, Eva Amelia Wiggin, Carleton Low, B.S., M.A. Bates, 1921 ; Columbia, 1932	<i>Lamoine Brooklin Bangor Woodland Daytona Beach, Fla. Presque Isle Bucksport Bangor Lubec Pittsfield Saco Patten Bangor Cohasset, Mass. Princeton Manset Bangor Bangor Kenduskeag Portland</i>
Wight, Hall Nelson	<i>Madison</i>

research in the following lines: animal breeding and nutrition, plant breeding and nutrition, chemistry related to agriculture, entomology, plant pathology, agricultural economics, and home economics. Equipment and facilities for dairy husbandry research are available at Highmoor Farm. The Station has extensive collections illustrating the botany and entomology of the State. It has a library of nearly 7,000 volumes comprising agricultural and biological journals and publications of the various experiment stations.

Experimental Farms: HIGHMOOR FARM.—The State Legislature of 1909 purchased a farm upon which the Maine Agricultural Experiment Station “shall conduct scientific investigations in orcharding, corn, and other farm crops.” The farm is in the town of Monmouth.

The original farm contains 225 acres, about 200 of which are in orchards, fields, and pastures. The Legislature in 1925 provided an appropriation for the purchase of 30 acres adjoining the farm for a demonstration orchard. There are in the neighborhood of 2,500 apple trees upon the place. Fields that are not in orchards are well adapted to experiments with corn, potatoes, and similar farm crops. A cold storage plant has been provided for apples. The capacity of this plant is about 7,500 boxes.

AROOSTOOK FARM.—The State Legislatures of 1913 and 1915 purchased a farm in Aroostook County for scientific investigations in agriculture to be under “the general supervision, management, and control” of the Maine Agricultural Experiment Station. The farm is in the town of Presque Isle, about two miles south of the village, on one of the main roads to Houlton.

The farm contains about 275 acres, somewhat more than one-third of which is cleared. A two-range greenhouse has been constructed with the support of Potato Tax funds and will be used in potato disease research.

The U. S. Department of Agriculture, Bureau of Plant Industry, co-operates with the Station on some of the research. The Department has erected a small laboratory building, a potato storage house, and a greenhouse on the farm as aids in facilitating the research work.

In 1939 the University purchased, for the use of the Station, an additional one hundred acres of land abutting Aroostook Farm on the north. The new area, known as the Annis Farm, has about 55 acres now in cultivation.

CHAPMAN FARM.—Four hundred and eighty acres of land in the town of Chapman was purchased by the University in 1941 for use by the Station as an isolated area for potato breeding studies cooperative with the Bureau of Plant Industry. About ten acres of the area have been cleared.

Investigations.—The Station continues to restrict its work to a relatively few important lines, believing that it is better for the agriculture of the

Wikoff, Stanley Douglas	<i>Allentown, N. J.</i>
Wilber, Blanche Viola	<i>Madison</i>
Willey, Baxter Leone	<i>Old Town</i>
Williams, Emma Louise	<i>Boothbay Harbor</i>
Wilson, Edith Grace, B.A., M.A. Southern California, 1923, 1928	<i>Orono</i>
Wilson, Ernestine Faith, B.A., M.A. Colby, 1939; Yale, 1941	<i>Waterville</i>
Wilson, Raymond Edwin	<i>Madison</i>
Wood, Essie May	<i>Old Town</i>
Woodcock, Allan, Jr.	<i>Bangor</i>
Woodward, Homer Clay	<i>Newport</i>
Wray, Ruth Arline, B.A., M.A. Maine, 1920, 1939	<i>Brewer</i>
Wyman, Everett Merryman	<i>Stillwater</i>
Yamamoto, Hiroo Michael	<i>Honolulu, Hawaii</i>
York, Alfreda Wheeler	<i>Plainfield, Vt.</i>
Young, Agnes Mildred, B.S. in Ed., M.Ed. Boston University, 1926, 1936	<i>Springfield, Mass.</i>
Zehrunge, William John	<i>White Plains, N. Y.</i>

STUDENTS AT MARINE BIOLOGICAL STATION, LAMOINE

Brooke, Clement E.	<i>Chicago, Ill.</i>
*Carr, Charles David, M.S. Notre Dame, 1931	<i>Bridgeport, Conn.</i>
Douglass, Patricia May	<i>Brooklyn, N. Y.</i>
Hine, Ruth Louise	<i>Springfield, Mass.</i>
Metcalf, James, Jr.	<i>New Bedford, Mass.</i>
Peabody, Ruth Frances	<i>Houlton</i>
Sharbaugh, Cornelius Augustine	<i>Loretto, Pa.</i>
Swanson, Eleanor Josephine	<i>Brewer</i>
Wilson, Margaret Evelyn	<i>Providence, R. I.</i>

* Registered for Graduate Credit.

SUMMARY OF STUDENT ENROLLMENT

1941-1942

	Men	Women	Total
Graduates	44	13	57
Seniors	320	108	428
Juniors	309	115	424
Sophomores	352	140	492
Freshmen	396	137	533
Specials	25	8	33
Upperclass students conditioned for admission	4	—	4
Two-Year Agriculture			
1st Year	26	—	26
2nd Year	9	—	9
	<hr/> 1485	<hr/> 521	<hr/> 2006
Summer Session	212	348	560
	<hr/>	<hr/>	<hr/>
Grand Total (omitting duplicates in Summer Session)	1658	856	2514

CLASSIFICATION BY COLLEGES

Graduate Study	44	13	57
College of Agriculture	406	203	609
College of Arts and Sciences	350	278	628
College of Technology	645	3	648
School of Education	40	24	64
	<hr/> 1485	<hr/> 521	<hr/> 2006

CANDIDATES FOR DEGREES

Graduate Study	43	12	55
College of Agriculture	366	202	568

SUMMARY OF STUDENT ENROLLMENT

397

College of Arts and Sciences	345	273	618
College of Technology	632	3	635
School of Education	38	22	60
	<hr/>	<hr/>	<hr/>
	1424	512	1936

CLASSIFICATION BY RESIDENCE

Maine, by counties	Regular Session	Summer Session	Total
Androscoggin	83	5	88
Aroostook	140	22	162
Cumberland	207	13	220
Franklin	35	6	41
Hancock	91	19	110
Kennebec	111	19	130
Knox	37	10	47
Lincoln	25	5	30
Oxford	76	4	80
Penobscot	465	140	605
Piscataquis	48	12	60
Sagadahoc	28	1	29
Somerset	73	15	88
Waldo	44	11	55
Washington	69	24	93
York	96	9	105
	<hr/>	<hr/>	<hr/>
	1628	315	1943

	Regular Session	Summer Session	Total
Maine	1628	315	1943
Massachusetts	219	39	258
New York	56	46	102
New Jersey	29	21	50
Connecticut	25	10	35
Pennsylvania	6	12	18
Maryland	3	12	15
Rhode Island	9	2	11
New Hampshire	6	4	10
Illinois	—	8	8
Ohio	1	6	7
Vermont	5	2	7
California	2	3	5

Florida	1	4	5
Iowa	—	5	5
Virginia	4	1	5
Michigan	1	2	3
West Virginia	—	3	3
District of Columbia	—	2	2
Louisiana	—	2	2
Minnesota	2	—	2
Missouri	—	2	2
Alabama	—	1	1
Idaho	—	1	1
Indiana	—	1	1
Kansas	—	1	1
North Dakota	—	1	1
Oregon	1	—	1
South Dakota	1	—	1
Tennessee	1	—	1
Washington	1	—	1
Wisconsin	—	1	1
Canada	4	—	4
Guatemala, C. A.	1	—	1
Hawaii	—	1	1
	<hr/>	<hr/>	<hr/>
	2006	508	2514

GENERAL INDEX

For courses, curricula, and departments see page 402

	Page		Page
Activities, Student	59	Buildings	46
Administration, officers of	9	Calendar, 1941-42	6
Admission:	64	Calendar, 1942-43	7
Arts and Sciences	150	Camps, summer	
Education, School of	211	Civil engineering	235, 241
Freshman:	64	Forestry	103, 136
Application for	64	Certificate in Agriculture	112
By examination	64, 65	Conferred, 1941	312
On high school record	64	Certificate for teachers	
Subject requirements	65	.....	109, 154, 211, 212, 265, 268
Graduate Study	270	Chapman Farm	276
Short courses in Agriculture	114	Christian Association	59
Special students	66, 112	Church services	63
Summer Session	278	Class officers	284
Transfer students	66	Clubs, departmental	61
Two-year course in Agriculture	66, 112	Coe research fund	270
Agricultural Experiment Station	275	Collection, art	51
Agriculture, College of	85	Collections, scientific	52
Courses offered	116	Commencement exercises, 1941	294
Curricula: specimen	86	Committees of the faculty	42
General information	85, 114	Comprehensive examinations	
Graduation requirements	85	(see Examinations)	
Short courses	113	Correspondence service in	
Special students	112	Agriculture	115
Summer projects	145	Courses (see page 402)	
Two-year course	112, 146	Curricula: specimen (see page 402)	
Alumni associations	280	Debating society	62
Council	280	Degrees	57
Officers	280	Conferred, 1941	295
Aroostook Farm	276	Education	215
Art collection	51	Graduate study	270, 273
Arts and Sciences, College of	150	Professional	274
Admission	150	With distinction	57
Bangor Theological Seminary		With honors	57
students	154	Departments of instruction	
Comprehensive examinations	153	(see page 402)	
Courses offered	162	Deposits	64, 69
Curricula: specimen	155	Diagnostic service in Agriculture	115
General information	150	Diploma fee	68
Graduation requirements	151	Dormitories (list of)	46
Honors program	153	Dormitory rooms	54, 69
Transfer credit	150	Education, School of	211
Athletic fields	49	Admission	211
Athletics	263	Art education	212
Band	61, 263	Commercial education	212
Bangor Theological Seminary	154	Comprehensive examination	214
Board of Trustees	8	Courses offered	217

	Page		Page
Degrees	215	Graduate students, 1941-42	315
Extension courses	279	Graduate Study	270
Field of concentration	214	Admission	270
General information	211	Degrees	270
Graduation requirements	213	Examinations and awarding of degrees	273
Music education	213	Fees	270
Normal school graduates	211	Fellowships and scholarships	271
Residence requirement	215	General requirements	271
Employment, opportunities for	54	Master of Education degree	273
Entrance (see Admission)		Professional degrees	274
Examinations		Program of studies	272
Comprehensives in:		Registration	270
Arts and Sciences	153	Theses	272
Education	214	University of Maine Studies	271
Technology	222	Gymnasium uniforms for women	68, 267
Entrance	65	Health service	55
Graduate Study	273	Highmoor Farm	276
Expenses	67, 222, 270	History of the University	43
Experiment Station, Agriculture	275	Honor societies	60
Experiment Station, Technology	259	Members, 1941-42	286
Extension courses	279	Honorary degrees, 1941	314
Extension service in Agriculture	114	Honors and prizes	57, 81
Faculty		Awarded, 1941	286, 312
Experiment Station, Agriculture	32	Honors program, College of Arts and Sciences	153
Experiment Station, Technology	36	Instruction, departments of (see page 402)	
Extension Service, Agriculture	38	Identification service, College of Agriculture	115
Teaching	14	Inspections, Agricultural Experiment Station	277
Farm and Home Week	114	Juniors, 1941-42	330
Farms,		Laboratory apparatus, use of	55
Agricultural Experiment Station	276	Law, preparation for	158
University	50	Lecture service, College of Agriculture	115
Fees	67, 222, 270, 278	Liberal Arts and Nursing students enrolled for hospital training	375
Fellowships and scholarships	73, 271	Library	50
Awarded, 1941	289	Loan funds	70
Finances	67, 222, 270	Location of the University	44
Financial aid, opportunities for	54, 70, 73, 271	Major subject, College of Arts and Sciences	151
Foreign language requirements	65, 151, 272	Marine Laboratory	49, 154, 209
Fraternities	62	Medicine, preparation for	155
Fraternity houses	49	Musical organizations	61
Freshman week	55	New registrations, spring semester	373
Freshmen, 1941-42	357	Normal School graduates	211
General information (University)	43	Northern Conservatory of Music	191, 213
Grading system	56	Notices to parents	58
Graduation, requirements for			
Agriculture, College of	85		
Arts and Sciences, College of	151		
Education, School of	213		
Graduate Study	271		
Technology, College of	222		

	Page		Page
Organization of the University	44	Student expenses	67, 222, 270
Organizations	60 to 62	Student government	59
Payment of bills	67	Student list	315
Placement bureau	54	Student publications	62
Prizes	81	Student regulations	58
Awarded, 1941	289	Student senate	59
Professional degrees	274	Summary of registration	396
Professional societies	60	Summer camps (see Camps)	
Projects: summer		Summer projects (see Projects)	
Agriculture	145	Summer session	278
Summer engineering camp	235, 241	Students, 1941	375
Summer forestry camp	103, 136	Teachers certificate (see Certificate)	
Summer mill practice	234	Teachers' registration bureau	54
Publications		Technology, College of	221
Agricultural Experiment Station	277	Comprehensive examinations	222
Student	62	Course expenses	222
Technology Experiment Station	259	Courses offered and specimen	
University	53, 271	curricula	224
Ranking system	56	General information	221
Refunds	70	Graduation requirements	222
Registration:		Technology Experiment Station	259
Freshman	55	Testing service, College of	
Graduate Study	270	Agriculture	115
Upperclass	56	Theses, Graduate Study, 1941	307
Regulations for students	58	Thesis requirements, Graduate	
Religious activities	59, 63	Study	272
Requirements for admission		Transfer credit, College of	
(see Admission)		Arts and Sciences	150
Requirements for graduation		Transfer students	66
(see Graduation)		Trustees, Board of	8
Residence requirements	57	Tuition charges	67, 270, 278
Education, School of	215	Tutorial Honors	215, 221, 260
Graduate Study	271	Two-year course in Agriculture	68, 112
Rooms	54, 69	Students, 1941-42	372
Scholarships and fellowships	73, 271	Upperclass students, conditioned	
Awarded, 1941	289	for admission	356
School of Education (see Education)		University:	
Scientific collections	52	Buildings	46
Seniors, 1941-42	318	History	43
Short course in Agriculture	113	Location	44
Social work, preparation for	159	Organization	44
Societies	60 to 62	Publications	53
Sophomores, 1941-42	342	University cabins	70
Sororities	62	University farms	50
Special students	66, 112	University of Maine Studies	53, 271
List of	371	Women's forum	62
Student activities	59	Women's student government	55
Student employment	54, 70		

INDEX FOR COURSES, CURRICULA, AND DEPARTMENTS

	Departments	Courses	Curricula
Agricultural Economics and Farm Management	116	116	88
Agricultural Education	119	119	89
Agricultural Engineering		122	92
Agriculture			86
Agronomy		120, 123	91
Agronomy and Agricultural Engineering	120	120	
Animal Husbandry		123	93
Animal Industry	123	123	
Animal Pathology		125	
Applied courses in Music		191	
Art Education			212
Art History	162	162	
Arts and Sciences, College of		162	155
Astronomy		163	
Bacteriology		127	96
Bacteriology and Biochemistry	127	127	
Band		263	
Biochemistry		128	97
Botany		130	
Botany and Entomology	130		98
Business Administration		169	156
Chemical Engineering		231	229
Chemistry	164	226	224
Chemistry, Chemical Engineering and Pulp and Paper Technology	224		
Child Development			111
Civil Engineering	234	236	235
Classics	165	165	
Commercial Education			212
Comparative Literature		177	
Composition and Rhetoric		173	
Crops		121	
Dairy Husbandry		125	93
Dairy Technology		125	95
Debate		204	
Dramatics		206	
Economics		167	
Economics and Sociology	167	167	
Education, School of		217	212
Electrical Engineering	241	243	242
Engineering Drafting	257	257	
Engineering Physics	248	194	248
English	172	172	
Entomology		132	98
Extension (School of Education)		279	
Extension Teaching			110
Farm Management (see Agricultural Economics)			
Fertilizers and Soils		120	

	Departments	Courses	Curricula
Floriculture		143	
Food and Nutrition			110
Forestry	133	133	103
French		200	160
General Courses		260	
General Engineering			250
Geography		237	
Geology		237, 238 240, 241	
German	178	178	
Government		183	
Greek		165	
Heat Engineering (see Mechanical Engineering)			
Highway Engineering (see Civil Engineering)			
History		180	
History and Government	180		
Home Economics	136	136	107, 111
Home Economics Education			109
Honors, Tutorial		260	
Honors Program		185	
Horticulture	142	142	100
Italian		202	
Journalism		176	
Landscape Gardening (see Floriculture)			
Latin		165	
Lecture Courses (College of Technology)		258	
Linguistics		177	
Literature		174	
Machine Design (see Mechanical Engineering)			
Machine Work (see Mechanical Engineering)			
Mathematics		186	
Mathematics and Astronomy	163, 186		
Mechanical Engineering	252	253	252
Mechanics (see Mechanical Engineering)			
Meteorology (see Physics)			
Military Science and Tactics	260	261	
Modern Society		189	
Music	190	190	
Music, Applied		191	
Music Education (School of Education)			213
Orientation (College of Technology)		258	
Ornamental Horticulture		143	
Paper Making		233	
Philosophy	192	193	
Physical Education (for men)	263	264	
Physical Education (for women)	266	267	
Physics	193	194	
Physiology (see Zoology)			
Pre-Legal Studies			158
Premedical Studies			155
Political Science (see Government)			

	Departments	Courses	Curricula
Pomology		142	
Poultry Husbandry	144	144	101
Psychology	196	197	
Public Speaking		204	
Pulp and Paper		233	232
Radio (Department of Speech)		204	
Radio Engineering (see Electrical Engineering)			
Religion		199	
Rhetoric		173	
Romance Languages	199	200	160
Rural Sociology		119	
Shorthand		207	
Social Service Work			159
Sociology		170	
Soils and Fertilizers		120	
Spanish		202	
Speech	203	204	
Summer Camp (Civil Engineering)		241	
Summer Camp (Forestry)		136	
Summer Mill Practice		234	
Summer Projects		145	
Teaching of English		178	
Telephone Engineering (see Electrical Engineering)			
Textiles and Clothing			111
Theatre		206	
Tutorial Honors		260	
Two-Year Agriculture	146	146	113
Typewriting		207	
Vegetable Gardening		143	
Veterinary Science (see Animal Husbandry)			
Wildlife Conservation			105
Zoology	207	208	

State to study thoroughly a few problems than to spread over the whole field of agricultural science. It has continued to improve its facilities and segregate its work in such a way as to make it an effective agency for research in agriculture. Prominent among the lines of investigation are studies upon the food of man and animals, the diseases of plants and animals, breeding of plants and animals, investigations in animal husbandry, orchard and field experiments, poultry investigations, entomological, agricultural, home economics research, soil survey, and land use inventory.

Inspections.—The Commissioner of Agriculture is the executive of the laws regulating the sale of agricultural seeds, commercial feeding stuffs, commercial fertilizers, dairy products, drugs, foods, fungicides and insecticides. The law requires the commissioner to collect samples and have them analyzed at the Station. The law also requires the Station to make the analyses and publish the results. The Station is required by law, also, to make analyses of samples of gasoline and lubricating oils as requested by the State Tax Assessor.

Publications.—The Station issues three series of publications: Bulletins, Official Inspections, and Miscellaneous Publications.

The results of the work of investigation are published in part in scientific journals at home and abroad, in U. S. Department of Agriculture publications, and in bulletins of the Station. The Bulletins for a year together make up the Annual Report. Bulletins are sent to the press of the State, to exchanges, libraries, and scientific workers.

The results of the work of inspection are printed in pamphlet form and are termed *Official Inspections*.

The Miscellaneous Publications consist of newspaper bulletins, circulars, and similar fleeting publications. These are sent to different addresses according to the nature of the subject matter.

Brief summary reports are announced at least once a year of all bulletins published during the year. The reports are sent to all residents of the State whose names are on the Station's mailing list.

On request, the name of any resident of Maine will be placed on the permanent mailing list to receive notices of the Bulletins and Official Inspections as they are published. Upon request, any of the Bulletins or Official Inspections will be mailed free of charge to residents of Maine.

SUMMER SESSION

The Summer Session begins the first week in July and continues for six weeks. The faculty is made up mainly of members of the University staff of professorial rank and visiting professors from other institutions. Instruction is given in most of the subjects taught in the College of Arts and Sciences as well as in Chemistry, Chemical Engineering, Pulp and Paper Technology, Health Education, Physical Education, Home Economics, and Nursing Education. A large amount of work is available in Education.

As an integral part of the University organization, the Summer Session insists upon similar standards of academic achievement. In general, the same requirements for admission and the same regulations apply as during the regular academic year.

The Session is primarily for the benefit of teachers and superintendents of Maine and other states who desire to take professional courses in the field of Education or to pursue other subjects which may be helpful to them in connection with their work. Hence special attention is given to teachers' courses in the various subjects offered. The Session also affords opportunities for students in the University of Maine or other similar institutions to secure credits toward a degree and complete their work in a shorter time than would otherwise be possible. Normal-school graduates who are admitted to advanced standing as candidates for a bachelor's degree in the School of Education may do a considerable part of their work in the Summer Session.

Properly qualified graduates of colleges or universities may enroll in most departments as candidates for a master's degree, as described in the section on Graduate Study.

Classes meet five times a week, Monday to Friday inclusive. Except in special cases the maximum registration is for three courses, the successful completion of which entitles the student to six semester hours of credit.

A registration fee of \$10 is paid by all students. An additional fee is charged for tuition amounting to \$5.00 for each semester hour of work. This means a total of \$40 for a maximum program of six credits.

The opening and closing dates for 1942 are Monday, July 6, and Friday, August 14. The Summer Session Bulletin, giving a list of the courses offered and detailed information, is published annually about March 15. For copies and other information address Dr. Roy M. Peterson, Director, Orono, Maine.

EXTENSION COURSES

The University offers a limited amount of work each year through extension courses given by various departments. These courses are handled by the office of the School of Education. Courses are offered by departments in all the colleges of the University according to the demand for such work. The list is revised and distributed in mimeographed form each year in September.

Three general types of courses are offered as follows: (1) Correspondence courses, which are handled entirely by mail on an individual basis; (2) extension classes, which may be organized in any community where sufficient demand exists, provided an instructor is available for the course desired; (3) Saturday class extension courses which are offered on the campus on Saturday mornings.

College credit toward a degree may be earned by all types of extension courses, subject to the regulations of the department and college in which the student is registered, the approval of which should always be secured in advance if such credit is desired.

GENERAL ALUMNI ASSOCIATION

OFFICERS

President, George D. Bearce '11, Bucksport
 Vice President, Robert F. Thurrell '15, East Wolfeboro, N. H.
 Clerk, George E. Lord '24, Orono
 Treasurer, Winthrop C. Libby '32, Orono
 Executive Secretary, Charles E. Crossland '17, Orono
 Assistant Secretary, Philip J. Brockway '31, Orono

ALUMNI COUNCIL MEMBERS

	Term Expires
Ayer, Hazen H. '24, 50 Congress St., Boston, Mass.	1942
Beck, Andrew J. '13, State House, Augusta	1942
Freese, F. Drummond '15, 144 Broadway, Bangor	1942
Gowell, Earle R. '30, Rockland	1942
Kelley, Miss M. June '12, 27 Florence Ave., Norwood, Mass	1942
Shaw, Harold J. '14, Sanford	1942
Knight, Fred D. '09, 266 Pearl St., Hartford, Conn.	1943
Littlefield, Alton T. '21, 313 State St., Augusta	1943
Mayo, Norman H. '09, 329 Commercial St., Portland	1943
Weeks, Thomas N. '16, 110 Main St., Waterville	1943
Bowles, Mrs. Merrill '21, 176 Nowell Rd., Bangor	1944
Fogler, Raymond H. '15, 1441 Broadway, N.Y.C.	1944
Lingley, Alfred B. '20, 44 Warren St., Providence, R.I.	1944
Linnell, Frank W. '29, 33 Court St., Auburn	1944
McKown, Richard E. '17, Bar Harbor	1944
Peabody, Myron C. '16, 42 Dartmouth St., Springfield, Mass.	1944
Stanford, Mrs. Christine E. '35, 46 Columbia Rd., Portland	1944

Alumni Representative on the Board of Trustees

Pierce, Harold M. '19, P. O. Box 58, Bangor	1942
---	------

LOCAL ALUMNI ASSOCIATION OFFICERS**MAINE**

- Androscoggin Alumnae Club—Chairman, Miss Jacqueline Landers '37, 73 Pine St., Lewiston.
- Androscoggin Valley Alumni—President, Robert E. Pendleton '33, 500 Main St., Lewiston; Secretary, Mrs. Edwin Webster, Jr. '36, 338 Pine St., Lewiston.
- Central Maine—President, Wallace E. Parsons '11, Keyes Fibre Co., Waterville; Secretary, Mrs. John Turbyne '34, 70 Boston Ave., Waterville.
- Cumberland Alumni—President, Howard Forrestall '38, 191 Coyle St., Portland; Secretary, Hugh Cary '38, 34 Pitt St., Portland.
- Eastern Maine Association of University Women—President, Mrs. Madeline Herlihy '16, 34 Bellevue Ave., Bangor; Secretary, Mrs. Martin Burke '06, State St., Bangor.
- Franklin County—President, Gerald York '30, Rangeley; Secretary, Coleman C. Randall '33, 29 Maple Ave., Farmington.
- Hancock County—President, Theodore E. Kloss '17, Bucksport; Secretary, Gardner Tibbetts '22, Ellsworth.
- Knox County—President, Ralph C. Wentworth '18, P. O. Bldg., Rockland; Secretary, Katherine A. Veazie '30, 12 Shaw Ave., Rockland.
- Lincoln County—President, Harvey R. Pease '14L, Wiscasset.
- The Maine Club—President, Ross H. Varney '15, 171 College St., Lewiston; Secretary, John L. McCobb '25, 62 Winter St., Auburn.
- Merrymeeting Bay—President, Albert S. Noyes '24, 1332 Washington St., Bath; Secretary, Mrs. Scott Davis '34, 1037 Washington St., Bath.
- North Aroostook—President, Prescott Thornton '25, Limestone; Secretary, Camilla Doak '41, Presque Isle.
- Oxford County—President, Richard Blanchard '31, South Paris; Secretary, Mrs. Albert McCready '34, 2 Tucker St., Norway.
- Penobscot Alumni—President (acting), Joseph M. Murray '25, U. of M., Orono; Secretary, Henry L. Doten '23, U. of M., Orono.
- Piscataquis County—President, Lewis P. Roberts '30, Dover-Foxcroft; Secretary, Mrs. Matthew Williams '29, Dover-Foxcroft.
- Portland Alumnae—President (acting), Mrs. Kenneth Prouty '29, 430 Woodford St., Portland; Secretary, Mrs. William Murphy '33, 340 Ocean Ave., South Portland.
- Somerset County—President, F. Wilbur Hagan '33, 224 Madison Ave., Skowhegan; Secretary, Mrs. John Hinman '36, North Anson.

- South Aroostook—President, Erma White '29, 5 Winter St., Houlton;
Secretary, Maple Percival '29, 5 Winter St., Houlton.
- South Kennebec—President, John Sealey, Jr. '36, 225 Water St., Augusta;
Secretary, Mrs. E. Smith Cooper '22, 43 Sewall St., Augusta.
- Waldo County—President, Ralph T. Viola '38, Belfast; Secretary,
Dorrice H. Dow '40, Belfast.
- Washington County—President, Harold F. Blackwood '23, West Pembroke;
Secretary, Lucille Maddocks '40, Machias.
- York County—President, Raymond Lovejoy '18, Box 370, Sanford;
Secretary, Stacy Billings '31, North Berwick.
- SOUTHERN CALIFORNIA—President, E. Leith Chase '26, 3178 Maple Ave.,
San Diego.
- CONNECTICUT—President (acting), Daniel W. Wilkins '36, 551 Main St.,
New Britain.
- WASHINGTON, D. C.—President, Ardron B. Lewis '28, 802 Chalfonte Drive,
Alexandria, Virginia; Secretary, Mrs. Artemus Weatherbee '40, 17-E
Parkway, Greenbelt, Maryland.
- CHICAGO, ILLINOIS—President, Rollins A. Seabury '12, Sherwood Rd., Des
Plains; Secretary, Mellen C. Wiley '03, 544 Michigan Ave., Evanston.
- MARYLAND—President, James E. Totman '16, Stock Exchange Bldg., Balti-
more; Secretary, Mrs. Lowell J. Reed '07, 3409 Duvall Ave., Baltimore.
- BOSTON ALUMNI—President, Warren H. Preble '21, 31 Milk St., Boston;
Secretary, Duncan Cotting '38, 28 Morse St., Newton.
- BOSTON ALUMNAE—President, Marian Hawkes '29, 11 Linnaean St., Cam-
bridge; Secretary, Elizabeth Livingstone '31, Lasell Junior College,
Auburndale.
- WESTERN MASSACHUSETTS—President, Jesse R. Wadleigh '34, 38 Westmin-
ster St., Springfield; Secretary, Laress T. Parkman '39, 94 Federal St.,
Springfield.
- WORCESTER COUNTY—President, Asher Sylvester '36, 564 Chandler St., Wor-
cester; Secretary, Mrs. Asher Sylvester, 564 Chandler St., Worcester.
- MICHIGAN—President, Charles E. Currier '06, 2700 West Grand Blvd.,
Detroit; Secretary, Wallace W. Perkins '24, 22 Devonshire Rd., Pleas-
ant Ridge.
- MINNESOTA—Chairman, James H. Davidson '21, 1100 Builders Exchange,
Minneapolis.
- MISSOURI—President, Clifford L. Draper '08, 4882 Farlin Ave., St. Louis.
- SOUTHERN NEW HAMPSHIRE—President (acting), Russell Coggins '29, 1147
Belmont St., Manchester; Secretary, Cathryn Hocter '36, Parker
School, Concord.

Teachers' Certificate Course in Physical Education for Men

The following courses are for men who wish to prepare themselves to teach Physical Education and obtain a State Teachers Certificate from the State Department of Education. These courses are open to juniors and seniors.

A temporary certificate good for two years may be obtained by a graduate of Maine who has had a minimum of six hours in Physical Education plus six hours in the field of Biology or Physiology. Each six hours of additional credit increases the length of the certificate two years up to a total of twenty-four hours when a permanent certificate may be obtained.

Pe 7. Principles of Physical Education and Hygiene.—An introductory course in the interpretation and objectives of physical education. Open to juniors who are preparing to teach. *Three hours a week and field work, two credit hours.*

Pe 8. Physical Examination and Measurements.—The purposes, management, and techniques of physical examination and first aid with the exception of the determination of organic capacity for activities. Open to juniors who have taken Zoology 1 and 12a. *Three hours a week and field work, two credit hours.*

Pe 10. Methods for Teaching Physical Education.—The methods of teaching physical education activities through the grades and high school, and also practice teaching. Open to seniors who have passed Courses 7 and 8. *Three hours a week and field work, two credit hours.*

The following courses are taught by the varsity coach of the particular sport:

Junior Year

Pe 11. Methods of Teaching Football and Basketball.

Pe 12. Methods of Teaching Track and Baseball.

Senior Year

Pe 13. Methods of Teaching Football and Basketball.

Pe 14. Methods of Teaching Track and Baseball

Pe 20. Teaching of Recreational Activities.—The need, nature, and function of recreational programs and the conducting of festivals and pag-

- WHITE MOUNTAIN, N. H.—President, J. Murray Hamilton '26, 100 Main St., Berlin; Secretary, Robert Rich '18, 173 Main St., Berlin.
- NEW YORK—CENTRAL—President, Prof. C. Earl Libby '16, N. Y. State College of Forestry, Syracuse University, Syracuse.
- NEW YORK ALUMNI—President, Chester W. Cambell '25, 12 Abby Place, Randall Manor, S. I.; Secretary, Edward C. Sherry '38, New Yorker Restaurant, LaGuardia Field, North Beach.
- NEW YORK ALUMNAE—President, Mrs. George Hitchings '39, 141-37 Union Turnpike, Flushing, L. I.; Secretary, Marion F. Miller '41, 314 West 94 St., New York City.
- NORTHERN NEW JERSEY CLUB—President, Randall A. Harrington '19, North Oak Court, Convent Station; Secretary, Sidney B. Coleman '26, Lake Road, Basking Ridge.
- NORTHEASTERN NEW YORK—President, Conan A. Priest '22, R.D. #1, Mohegan Rd., Schenectady; Secretary, Henry W. Chadbourne '02, 29 Bruce St., Scotia.
- WESTERN NEW YORK—President, Wesley C. Plumer '21, 176 Highland Parkway, Kenmore; Secretary, Ralph L. Drisko '30, 155-16th St., Buffalo.
- OHIO—President, Fred H. Vose '00, Case School of Applied Science, Cleveland; Secretary, Philip Dorticos '04, 3291 Lansmere Rd., Shaker Heights.
- LEHIGH VALLEY, PA.—President, Arthur C. Wescott '99, 236 South 15th St., Allentown; Secretary, Paul S. Robinson '27, 124 South 7th St., Allentown.
- PHILADELPHIA—President, Wallace Belcher '99, 5900 Woodbine Ave., Philadelphia; Secretary, Miss Rhandena Armstrong '22, 2126 Pine St., Philadelphia.
- WESTERN PENNSYLVANIA—President, Robert R. Owen '21, Comanche Road, Pittsburgh, 16; Secretary, Harry A. Randall '15, 435 Sixth Ave., Pittsburgh.
- RHODE ISLAND—President, J. Wesley Ames '24, 167 Read St., Somerset Center, Mass.; Secretary, Clarence Bradbury '33, Western Union Tel. Co., Providence.
- VERMONT—President, Walter D. Emerson '16, 47 Central St., Northfield; Secretary, Mrs. Raymond Thompson '24, 197 Main St., Montpelier.

SPECIAL ASSOCIATIONS

- UNIVERSITY OF MAINE ALUMNI TEACHERS—President, Galen I. Veayo '31, 451 Court St., Auburn.
- PULP AND PAPER ALUMNI—Chairman, Frederic A. Soderberg '25, 425 Hudson St., New York City.

CLASS OFFICERS

- SENIOR ALUMNI (Fifty Year and Older Alumni)—President, John S. Williams '87, Guilford; Secretary, James N. Hart '85, Orono.
- 1892—Secretary, Warren E. Healey, 27 Partridge Hill Road, Weston, Mass.
- 1893—Secretary, Harry M. Smith, 51 Hammond St., Bangor
- 1894—Secretary, Wallace H. Jose, 40 Bemis St., Newtonville, Mass.
- 1895—Secretary, Dr. Harold S. Boardman, 172 Main St., Orono
- 1896—President, Paul D. Sargent, Eastland Hotel, Portland
Secretary, Joseph W. Randlette, 25 Kimball St., Richmond
- 1897—Secretary, William L. Holyoke, 1429 Linville St., Kingsport, Tenn.
- 1898—President, A. D. T. Libby, 274 So. Burnett St., East Orange, N. J.
Secretary, C. Parker Crowell, Bangor House, Bangor
- 1899—President, Archer L. Grover, 27 Pleasant St., Hallowell
Secretary, A. W. Stephens, Northumberland Apts., Washington, D. C.
- 1900—President, Guy A. Hersey, 4 South St., Bangor
Secretary, Edwin J. Mann, West Paris
- 1901—Secretary, Fred L. Martin, 44 Wentworth St., Bridgeport, Conn.
- 1902—Secretary, Henry W. Chadbourne, 29 Bruce St., Scotia, New York
- 1903—President, J. H. McCready, 87 Hillside Rd., Newton Hghlds., Mass.
Secretary, Edward G. Hartford, 22 Trapelo St., Brighton, Mass.
- 1904—President, Albert L. Whipple, Great Works
Secretary, Leslie E. Little, 73 Court St., Augusta
- 1905—President, Horace A. Hilton, 385 Union St., Bangor
Secretary, J. Harvey McClure, 49 Hammond St., Bangor
- 1906—President, A. Guy Bennett, 5 Summerhill Gardens, Toronto, Canada
Secretary, Henry W. Bearce, 6308 Ridgewood Ave., Chevy Chase, Md.
- 1907—Secretary, Carl H. Lekberg, 110 Foster St., Worcester, Mass.
- 1908—President, Raymond Fellows, 395 Union St., Bangor
Secretary, James A. Gannett, U. of M., Orono
- 1909—President, Fred D. Knight, 266 Pearl St., Hartford, Conn.
Secretary, Harold A. Rich, 78 Adella Ave., West Newton, Mass.
- 1910—President, Ernest Lamb, 35 Congress St., Boston, Mass.
Secretary, Grover T. Corning, 30 Federal St., Boston, Mass.
- 1911—President, Clifford Patch, P. O. Box 276, Bangor
Secretary, Avery C. Hammond, 61 Main St., Bangor
- 1912—President, Karl D. Woodward, 259 Broadway, Lachine, Quebec
Secretary, William E. Schrupf, U. of M., Orono
- 1913—Secretary, James E. Church, 192 Northern Ave., Gardiner
- 1914—President, Howe W. Hall, U. of M., Orono
Secretary, Richard F. Crocker, Fort Kent

- 1915—President, R. H. Fogler, 1441 Broadway, N. Y. C.
Secretary, Robert F. Thurrell, East Wolfeboro, N. H.
- 1916—President, Lewis O. Barrows, 54 Valentine Park, West Newton, Mass.
Secretary, Walter W. Webber, Bucksport
- 1917—President, Joseph A. McCusker, 80 Dunster Rd., Jamaica Plain, Mass.
Secretary, Frank O. Stephens, 37 Knight St., Auburn
- 1918—President, Harry D. Watson, U. of M., Orono
Secretary, Walter J. Creamer, U. of M., Orono
- 1919—President, Dwight B. Demeritt, U. of M., Orono
Secretary, Harold M. Pierce, P. O. Box 58, Bangor
- 1920—President (acting), Verne Beverly, Presque Isle
Secretary (acting), Harold L. Bruce, U. of M., Orono
- 1921—President, Francis L. Foley, 142 East St., Methuen, Mass.
Secretary, Margaret Blethen, 14 Beacon St., Boston, Mass.
- 1922—President, Ulmer W. Davis, 31-32 Coe Block, Bangor
Secretary, Donald W. Reed, U. of M., Orono
- 1923—President, Theodore S. Curtis, U. of M., Orono
Secretary, Mrs. Iva M. Burgess, U. of M., Orono
- 1924—President, Hazen H. Ayer, 50 Congress St., Boston, Mass.
Secretary, Theron Sparrow, U. of M., Orono
- 1925—President, Frank Hussey, Presque Isle
Secretary, Mrs. Louise Q. Lord, 38 Forest Ave., Orono
- 1926—President, Oren F. Fraser, Turner Center
Secretary, Cora Emery, 331 Concord St., Lexington, Mass.
- 1927—President, Paul Lamoreau, Presque Isle
Secretary, Mrs. Margaret P. Webster, 93 Norway Rd., Bangor
- 1928—President, David W. Fuller, 414 Eastern Trust Bldg., Bangor
Secretary, Mrs. Thelma P. Dudley, 34 Cottage Farms Rd., Cape Elizabeth
- 1929—President, Robert D. Parks, 250 Castlebar Road, Rochester, N. Y.
Secretary, Mrs. Caroline C. Lowell, 20 Highland Ave., Bangor
- 1930—President, William H. Daley, 415 Congress St., Portland
Secretary, Kenneth Haskell, 22 Brewer St., Portland
- 1931—President, Clifton E. Curtis, 775 Union St., Bangor
Secretary, Doris Gross, Stonington
- 1932—President, Winthrop C. Libby, U. of M. Orono
Secretary, Mary G. Bean, 2 Madison St., Bangor
- 1933—President, Russell Shaw, 76 William St., Portland
Secretary, Mrs. Dorothy F. Carnochan, 39 Falmouth St., Portland
- 1934—President, Philip S. Parsons, Belfast
Secretary, Mrs. Madelene B. Russ, 37 George St., Springfield, Mass.

- 1935—President, George L. Cobb, McKeesport, Pa.
 Secretary, Agnes Crowley, 59 Western Ave., Biddeford
- 1936—President, John Sealey, Jr., 225 Water St., Augusta
 Secretary, Mrs. Phyllis H. Webster, 338 Pine St., Lewiston
- 1937—President, Leslie M. Hutchings, Box 76, Okemos, Michigan
 Secretary, Mrs. Henrietta C. Woodbury, 7 Park Lane, Orono
- 1938—President, John R. Gowell, 1055 Sherman St., Denver, Colorado
 Secretary, Mrs. Mary D. Wirths, Court House, Binghamton, N. Y.
- 1939—President, Dana Drew, Houlton
 Secretary, Mrs. Ethelyn P. Huff, 26 Maine St., Brunswick
- 1940—President, Lt. Harold A. Gerrish, The Ordnance School, Aberdeen
 Proving Ground, Md.
 Secretary, Alice Ann Donovan, 121 Main St., Houlton
- 1941—President, Lt. Roger A. Stearns, South Paris
 Secretary, Barbara B. Ashworth, 59 Beacon St., Boston, Mass.

HONORS AND PRIZES AWARDED

Members of Honor Societies arranged in order of their establishment at the University of Maine.

Members of Phi Kappa Phi

1941

Rockwood Norton Berry, Livermore Falls; Carl Raymond Brown, Levant; Richard Raymond Chase, Portland; Lester Duran Chipman, Mechanic Falls; Eva Adeline Clark, Orono; Corinne Louella Comstock, Millinocket; Frederick Marshall Crouse, Kents Hill; Pauline Florence Cushing, Portland; Donald Brown Devoe, Bangor; Robert DiPersio, Meriden, Conn.; George Hathaway Ellis, Orono; Alma Marguerite Fifield, Brewer; Ruth Jeannette Garrison, Madison; Elizabeth Payson Grant, Portland; Lloyd Wilfred Griffin, Bradford, Mass.; Charles Alfred Hall, Castine; Alma Mabel Hansen, South Portland; Frances Taylor Horne, Portland; Clair Arthur Kennedy, South Brooksville; Edward Louis Kozicky, Eatontown, N. J.; Ruth Howe Linnell, Pembroke; Robert Skillings McDonald, Portland; Alfred Alroy Mann, Raymond; John Dunning Pennell, Jr., Portland; Margaret Elizabeth Philbrook, Tenaflly, N. J.; Ernestine King Pinkham, Portland; Virgil Stewart Pratt, Stillwater; Winston Eugene Pullen, Monson; George Carl Risman, Roxbury, Mass.; Margaret Robinson Romero, Bangor; Leona May

Runion, Orono; Margaret Elizabeth Trott, Bath; Raymond Andrew Valliere, South Berwick; Neal Harvey Walker, Wiscasset; Catherine Margaret Ward, Portland; Charlotte Zeluma White, Bowdoinham; Ruth Elizabeth White, Bangor; Marjorie Marion Whitehouse, Augusta; James Oliver Williams, Ogunquit; Dorothy Hopkins Wing, Bath; Phyllis Smart Young, LaGrange.

Members of Alpha Zeta

1941

Roy Laurel Anderson, Newport; Rockwood Norton Berry, Livermore Falls; William Roberts Booth, Cumberland Center; Raymond Wilbur Buck, Jr., Monticello; Frederick Marshall Crouse, Kents Hill; Donald Brooks Holyoke, Brewer; Cecil Edgar Howes, Patten; Mansfield Gray London, Houlton; Winston Eugene Pullen, Monson; Charles Henry Shackleford, Wenham, Mass.; Owen Halbert Smith, Presque Isle; Myron John Towle, Fort Fairfield; Neal Harvey Walker, Wiscasset; Maurice Harvard Whitten, Fort Kent.

1942

McClure Day, Damariscotta; Richard Beston Day, Damariscotta; Irwin Raymond Higgins, Mapleton; Joseph Scott Higgins, Dennysville; Donald Murray Kilpatrick, Presque Isle; Alvah Lionel Perry, Sherman Mills; Frank Elwood Potter, Sabattus; Darrell Bradford Pratt, Millinocket; Gordon Estey Ramsdell, Ellsworth.

1943

Dean Wendell Ebbett, Presque Isle; Earl Berfield Langley, Mars Hill; Arthur Palmer Rafford, Ashland.

Members of Tau Beta Pi

1941

Wilson Merriman Alford, Windsor, Conn.; Kenneth Deane Bell, Orono; Carl Raymond Brown, Levant; Blendin LeRoy Burton, Bangor; Richard Raymond Chase, Portland; Lester Duran Chipman, Mechanic Falls; James

Stevens Condon, South Brooksville; George Benjamin Cotton, Auburn; Raymond Henry Edgecomb, Sebago Lake; David Sutton Greenlaw, Norway; Robert Skillings McDonald, Portland; Gordon Bush McKay, Old Town; Alfred Alroy Mann, Raymond; John Kew O'Donoghue, Lowell, Mass.; William Frazier Parsons, Skowhegan; John Dunning Pennell, Jr., Portland; Grant Dockendorff Staples, Whitefield; Francis Adams Wheeler, Auburn; James Oliver Williams, Ogunquit.

1942

Frank Eugene Brewster, South Portland; Wendell Taylor Butler, Springvale; Robert Eugene Chute, Norway; Guy Joseph Crocker, Stillwater; Lloyd Byron Crossland, Mexico; Henry Gabe, Worcester, Mass.; Edward Anson Henderson, Houlton; Winfield Chester Hodgkins, Jr., Bar Harbor; James Bartlett Horton, Brewer; Clarence Wayland Jones, Rumford; Frederick John Kelso, Portland; Charles Thomas Keniston, Bridgton; Winthrop Bowman Pratt, Arlington, Mass.; Roger Edward White, South Portland; Arthur Roscoe Worster, Madison.

Members of Xi Sigma Pi

1941

Everett Bacon Chamberlain, Belgrade Lakes; Frederick Walter Cowan, Portland; Richard Vincent Duffey, East Orange, N. J.; Howard Lincoln Ehrlenbach, North Tonawanda, N. Y.; Angus Edward Humphries, Perry; Vernon Elbert Johnson, Milford; Jacob Serota, Portland; Ormond Adolph Staples, Camden; Benjamin Sabin Troop, Hartford, Conn.; Robert Taber Willets, Roslyn, N. Y.; Angelo Salvatore Zieno, Norwich, N. Y.

1942

Richard Christopher Cranch, Norwalk, Conn.; Nicholas Denesuk, Peabody, Mass.; Victor Glider, Hartford, Conn.; Malcolm Edward Hardy, Waban, Mass.; Stephen Hamilton Jackson, Union, N. J.; Victor Pasquale Miniutti, North Berwick; Morris Reynolds Wing, Bingham.

Members of Phi Beta Kappa

1941

Corinne Louella Comstock, Millinocket; Pauline Florence Cushing, Portland; Donald Brown Devoe, Bangor; Lloyd Wilfred Griffin, Bradford,

Mass.; Charles Alfred Hall, Castine; Frances Taylor Horne, Portland; Margaret Elizabeth Philbrook, Tenaflly, N. J.; Ernestine King Pinkham, Portland; Margaret Robinson Romero, Bangor; Raymond Andrew Valliere, South Berwick; Catherine Margaret Ward, Portland; Charlotte Zeluma White, Bowdoinham; Marjorie Marion Whitehouse, Augusta.

1942

Carleton Sewall Herrick, Jr., South Brewer; Edgar Thurlow Pitts, Stonington.

Members of Omicron Nu

1941

Mary Elizabeth Boone, Presque Isle; Eva Adeline Clark, Orono; Elizabeth Payson Grant, Portland; Margaret Louise Jones, Orono; Ruth Benson Landon, Kennebunkport; Julia Alice Smith, Limerick; Anna Elizabeth Verrill, Westbrook; Dorothy Hopkins Wing, Bath.

1942

Ruth Eileen Loring, Orono; Hope Moody, Lincoln; Cherrie Madeline Thorne, St. Albans.

Members of Kappa Delta Pi

1941

Beatrice Austin Besse, Brooks; William Sylvanus Brawn, Islesboro; Olive Marguerite Chick, Steep Falls; Albert Edwin Hill, Warren; Zoë deBeausoleil Pettengill, Augusta; Harry Earle Trask, Jr., East Wilton; Phyllis Smart Young, LaGrange.

1942

Howard Levi Cousins, Fort Kent; Frank Burton Hanson, Rumford; Vincent John LaFlamme, Great Works; Lelia Mountfort Libby, Portland.

Scholarships and Prizes

The Merritt Caldwell Fernald Scholarship—Edgar Thurlow Pitts, Stonington.

- The James Stacy Stevens Scholarship—Shirley Gladys Ashman, R. 2, Augusta.
- The Harold Sherburne Boardman Scholarship—Frank Eugene Brewster, South Portland.
- The Leon Stephen Merrill Scholarship—Herbert Findlen, Fort Fairfield.
- The Charles Davidson Scholarship—Frank Burton Hanson, Rumford.
- The Maine Normal School Scholarships—Malcolm Hinckley Blodgett, West Brooksville; Jacqueline Greenwood, Farmington; James Henry Nye, Cherryfield.
- The Secondary School Contest Scholarships—
Four-Year Scholarship—Grace Elizabeth Wentworth, Presque Isle.
Three-Year Scholarship—Thelma Eve Peacock, Auburn.
Two-Year Scholarship—Benjamin Segal, Bangor.
One-Year Scholarships—Doris Evelyn Emery, Bar Harbor; Katherine Edith Jackman, Calais; Elizabeth Adele Kelso, Portland; Geraldine Bernice MacBurnie, Augusta; Stanley Allan Murray, Rockland.
- The University Scholarships—James Richard Ambrose, Bangor; Grace Evelyn Burnell, Cumberland Center; Arthur Sidney Dole, Jr., Bangor; Albion William Fenderson, Sanford; Edward Joseph Geary, Lewiston; Justin Oley Johnson, Jr., Waterville; Doris Edna Karst, Ellsworth; Frederick John Kelso, Portland; Earl Berfield Langley, Mars Hill; Priscilla Loring, Freeport; Hope Moody, Lincoln; Betty Catherine Price, Washburn; Edwin Morey Seabury, Orono; Eleanor Louise Ward, Arlington Heights, Massachusetts; Morris Reynolds Wing, Bingham.
- Trustee Graduate Scholarships—Oren Abijah Burbank, Brattleboro, Vermont; Eleanor Margaret Fitzherbert, Orono; Dettmar Wentworth Jones, Hampden Highlands.
- Maritime Provinces Scholarship—Lillian Baxter Swim, Lockeport, Nova Scotia, Canada.
- Trustee Graduate Fellowships—Beatrice Austin Besse, Brooks; Lloyd Wilfred Griffin, Bradford, Massachusetts.
- The Maria S. Appleton Scholarships—Virginia Rae Lombard, Meddybemps; Wilma LaForest True, Hope.
- The Hosea B. Buck Memorial Scholarship—Vincent John LaFlamme, Great Works.
- The Joseph Rider Farrington Scholarship—Holyoke Purinton Adams, Melrose, Massachusetts.
- The James Norris Hart Scholarships—Robert Eugene Chute, Norway; Barbara Cole, Bryant Pond; Alan Lockwood Rhodes, Portland.
- The Philip R. Hathorne Scholarships—Henry Ferdinand Bacon, Oakland;

- Josiah Edward Colcord, Jr., South Portland; Edward Anson Henderson, Houlton; Philip Davis Spiller, Westbrook.
- The Hovey Memorial Scholarships—Blendin LeRoy Burton, Bangor; Richard Raymond Chase, Portland; James Stevens Condon, South Brooksville; Harry David Shute, Stockton Springs; James Oliver Williams, Ogunquit.
- The Carrol C. Jones Scholarship—William Edmund Brooks, Rumford.
- The Kidder Scholarship—Edgar Thurlow Pitts, Stonington.
- The Maine Farm Bureau Fund Scholarships—Irwin Raymond Higgins, Mapleton; Janice Dean Woodward, Auburn.
- The William Emery Parker Scholarship—Dana Coolidge Dingley, Farmington.
- The Charles H. Payson Scholarships—Barbara Goodiell Akeley, Presque Isle; Elizabeth Jane Barker, Bangor; Sylvia Janet Belden, Prentiss; Walter Calvin Brooks, Rumford; Rudolph Eric Haffner, Portland; Norman Carlton Hammond, South Portland; Hazel Thelma King, Saco; Helen Katherine Stacy, Shirley.
- The Stanley Plummer Scholarship—Gerard Alphonse Goulette, Dexter.
- The Bertha Joy Thompson Scholarships—Leo Harding Estabrooke, East Corinth; Lloyd Byron Crossland, Mexico; Mary Emily Fielder, Orono; Vinetta Estelle MacDonald, Eddington; Hughene Ruth Phillips, East Holden; Arthur Roscoe Worster, Madison.
- The Charles F. Woodman Scholarships—Earl Castner Adams, Portland; Herman Wilford Bonney, Portland; Philip Dana Cheney, Ashland; Miles Covell Freeman, Portland; Ernest James Hine, Palmer, Massachusetts; Webber James Mason, Dexter; Cornell Cameron Rushworth, Madison; Donald Vardy Taverner, Augusta; Kent Mansfield Wight, Madison.
- The Agricultural Club Scholarship—Frank Elwood Potter, Sabattus.
- The Elizabeth Abbott Balentine Scholarship—Iva Virginia Henry, Thomaston.
- The W. H. Bowker Scholarships—Merton Eugene Libby, Gorham; Alton James Perry, Presque Isle.
- The Charles H. Hood Scholarships—William Prentice Bronsdon, Newton Centre, Massachusetts; McClure Day, Damariscotta; Mark Chandler Devereux, North Castine; James Albion Moulton, Hiram; Frank Elwood Potter, Sabattus; Gordon Estey Ramsdell, Ellsworth; Norman Whittier Rollins, Farmington.
- The Scabbard and Blade Scholarships—Albion William Fenderson, Sanford; Walter Leeman Sullivan, Portland.
- The Sears-Roebuck Agricultural Foundation Scholarships—Leroy Elmer

Carter, Monticello; Arnold Merton Coffey, Presque Isle; Burleigh Stetson Crockett, West Sumner; Arnold A. Davis, East Corinth; Paul Jean Eastman, Smyrna Mills; Earl Everett Ellsworth, Farmington; Elmer Leslie Folsom, Cambridge; Camille Alfred Gardner, Auburn; Richard Alfred Goodell, Hampden; Neil Byron Mills, Waldoboro; Richard Harding Sjostedt, Stockholm; Herschel Almon Smith, Mars Hill; Clifford Doris Soucy, Grand Isle; Richard Douglas Waterman, North Haven; William Nathan Weston, Madison.

The State of Maine Pi Beta Phi Alumnae Club Scholarship—Phyllis Maude Bryant, Madison.

The Women's Student Government Association Scholarships—Gwendolyn Echo Cushing, Portland; Frances Ann Sheehy, Lewiston.

Sophomore Owls Scholarships—Donald Franklyn Presnell, Portland; Frank Esmond Squires, Medford, Massachusetts.

Senior Skulls Scholarship—George Vincent Murphy, Bar Harbor.

The Chicago Alumni Association Scholarship—Arthur Merle Hillman, Levant.

The Class of 1905 Scholarship—Arthur Merle Hillman, Levant.

The Class of 1909 Fund Scholarship—Albert Field Reynolds, Bangor.

The Class of 1911 Scholarship—Alvah Lionel Perry, Sherman Mills.

The Connecticut Alumni Association Scholarship—Victor Glider, Hartford, Connecticut.

The Hancock County Alumni Association Scholarship—Margaret Goldie Phillips, Ellsworth.

The Lincoln County Alumni Association Scholarship—James Alden Reed, Boothbay.

New York Alumni Association Scholarship No. 1—Francis Swain Andrews, Norway.

The Northern Aroostook Alumni Association Scholarship—Dean Wendell Ebbett, Presque Isle.

The Ohio Alumni Association Scholarship—Irene Louise Rowe, RFD 3, Bangor.

The Penobscot County Alumni Association Scholarship—Phillip Lord Hamm, Charleston.

The Philadelphia Alumni Association Scholarship—Thomas Elmer Parmenter, Portland.

The Piscataquis County Alumni Association Scholarship—Wendell Hayward Stickney, Brownville.

The Portland Alumnae Association Scholarship—Elinor Louise Dixon, Portland.

The Rhode Island Alumni Association Scholarship—Warren Wilkins Nute, Jr., New Bedford, Massachusetts.

eants. The contribution of physical education to community recreation in the phases needed by social workers, 4-H Club leaders, directors, and teachers of physical education in organizing and administering recreational programs. *Three hours a week, three credit hours.*

Pe 21. *The Study of Games and Play Activity.*—A program of games suitable for use in all grades and high school is formulated; also, carry over games to be used in later life are taught. A uniform suitable for field work is necessary. *Three hours a week, two credit hours.*

Pe 22. *The Technique of Teaching Gymnastics.*—Practical methods and actual teaching of formal work. Corrective work, calisthenics, and apparatus are taught. A gym suit including rubber-sole shoes is required. *Three hours a week, two credit hours.*

Pe 26. *The Administration of Physical Education in Elementary and Secondary Schools.*—Organization of departments; classification of activities; classification of children; time schedules; organization of leaders among children and classroom teachers. Training of leaders. *Two hours a week, two credit hours.*

Pe 28s. *The Administration of High School Athletics.*—All phases of the administration of high school athletics, including history, eligibility, policies, management of contests, equipment, budgets, safety, intramurals, and modern trends in high school athletics. *Two hours class, one hour arranged, two credit hours.*

Pe 31. *Athletic Training.*—Designed to acquaint trainers and coaches who do their own training with fundamental facts necessary to the proper conditioning of athletic teams. Applied anatomy, physical examination, diagnosis, prescription, diet, massage, taping, first aid, etc. *Three hours a week, two credit hours.*

Women's Division

ASSOCIATE PROFESSOR LENGYEL; ASSISTANT PROFESSOR ROGERS;
MISS CASSIDY

It is the purpose of this department to develop good physical condition in the women students by providing opportunity for the formation of wholesome habits and for relaxation and recreation.

A medical examination by the University physician and a physical examination by the Director of Physical Education are given each entering

- The Somerset County Alumni Association Scholarship—Otis Charles Lawry, Fairfield.
- The Southern Kennebec Alumni Association Scholarship—Roland Edward Berry, Randolph.
- The Western Pennsylvania Alumni Association Scholarship—Roger Daniels Moulton, York Village.
- The Worcester County, Massachusetts, Alumni Association Scholarship—Henry Gabe, Worcester, Massachusetts.
- The York County Alumni Association Scholarship—Edward Francis Rud-dock, Kittery.
- The Prize of the Class of 1873—Niles Lee Perkins, Jr., Togus.
- The Claude Dewing Graton Prize—Grace Evelyn Burnell, Cumberland Center.
- The John M. Oak Scholarship Awards—Thomas Russell Woolley, Jr., Bridgton; Frederick Burton Mitchell, Bangor.
- The Alpha Omicron Pi Alumnae Prize—Albertie Mae Allen, New Portland.
- The Alpha Zeta Senior Award—Owen Halbert Smith, Presque Isle.
- The Chi Omega Sociology Prize—Barbara Cole, Bryant Pond.
- The Franklin Danforth Prize—Winston Eugene Pullen, Monson (Gift of Agricultural Club this year).
- The Greek Culture Prize—Ruth Howe Linnell, Pembroke (Gift of Prof. J. H. Huddilston this year).
- The Henry L. Griffin Prize in English Composition—Doris Eleanor Gooch, Brunswick.
- The Carl Whitcomb Meinecke Award—Wilson Merriman Alford, Windsor, Connecticut.
- The Pale Blue Key Award—Warren Wilkins Nute, Jr., New Bedford, Massachusetts.
- The Senior English Essay Prize—Ruth Elizabeth White, Bangor.
- The Sigma Mu Sigma Award—Albion William Fenderson, Sanford.
- The Spanish Club Prize—Divided between: Herbert Gerald Pulsifer, Clinton; Dorothy Perkins Waterhouse, Kennebunkport.
- The Class of 1908 Commencement Cup—Class of 1888.
- The President's Cup—Class of 1916.
- The Twentieth Century Cup—Class of 1916.
- The Fraternity Scholarship Cup—Alpha Gamma Rho.
- The Charles Rice Cup—Phi Gamma Delta.
- The All-Point Intramural Plaque—Kappa Sigma.
- The Washington Alumni Association Watch—Roger Austin Stearns, South Paris.
- The Portland Alumnae Memorial Watch—Alma Mabel Hansen, South Portland.

COMMENCEMENT 1941**Thursday, June 5**

8:00 P.M. Commencement Ball—Alumni Memorial

Friday, June 6

1:45 P.M. Class Day Exercises—The Oval
 2:00 Alumni Council Annual Meeting
 3:30 Pageant—given by All-Maine Women—Coburn Green
 4:30-6:00 President and Mrs. Hauck—"At Home"

Saturday, June 7

7:45 A.M. Class Breakfasts
 9:00 Reunion Class Meetings in headquarters rooms
 9:00 Board of Trustees Meeting
 10:30 General Alumni Association Annual Meeting—Little Theatre,
 Alumni Hall
 12:30 P.M. Alumni Luncheon—in honor of Fifty-Year Class 1891—
 Memorial Gymnasium
 1:45 Concert by the University of Maine Band—Site of New Library
 2:15 Ground Breaking—The New Library
 2:45 University of Maine Foundation—Annual Meeting
 2:45 Reunion Class Frolics—The Oval
 3:45 Baseball Game—Alumni *vs.* Seniors—Baseball Field
 3:30-5:00 Alumnae Tea—Estabrooke Hall
 5:30 Alumni Parade
 6:00 Alumni Banquet—Alumni Memorial
 9:30 Alumni Hop—Alumni Memorial

Sunday, June 8

10:30 A.M. Baccalaureate Service—Alumni Memorial
 6:45 P.M. Alumni-Senior Sing—The Oval

Monday, June 9

9:30 A.M. Commencement Exercises—Alumni Memorial

DEGREES CONFERRED, 1941

COLLEGE OF AGRICULTURE

Bachelor of Science

IN AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

CLARENCE KEMPTON ADAMS.....	Easton
ALFRED GRISWOLD BRUNDAGE.....	Danbury, Conn.
THOMAS LEONARD FAIRCHILD.....	Jay
EARLE LEWIS INGALLS.....	Portland
FLOYD FREDERIC JACKSON.....	Rumford
DUNCAN HENRY JEWELL.....	Orono
STANLEY FAIRFIELD JOHNSON.....	Brunswick
JOHN HASKELL JORDAN.....	Fryeburg
DON LEMUEL MCCRUM, JR.....	Mars Hill
CHARLES BOONE PARSONS.....	Presque Isle
WINSTON EUGENE PULLEN, <i>With Highest Distinction</i>	Monson
HARRY QUINTON ROACH.....	Smyrna Mills
ROGER AUSTIN STEARNS.....	South Paris
MITCHELL BRADLEY ST. LAWRENCE.....	Orono
MYRON JOHN TOWLE.....	Fort Fairfield
ADAM WINSLOW WILSON.....	Portland

IN AGRICULTURAL ENGINEERING

KEITH NAVARRE GALLAGHER.....	Limestone
------------------------------	-----------

IN AGRONOMY

RAYMOND WILBUR BUCK, JR.....	Monticello
BURTON MONROE COLBATH.....	Mars Hill
CLARENCE EUGENE EMERY, JR.....	Westbrook
DONALD BROOKS HOLYOKE, <i>With Distinction</i>	Brewer
ROBERT FRANK HOWE.....	Framingham, Mass.
JAMES LEWIS HUTCHEON.....	Presque Isle
FRANK WENTWORTH KETCHUM.....	Houlton
MANSFIELD GRAY LONDON.....	Houlton
FREDERICK MELVILLE NEWCOMB.....	Scarboro
CARLETON BURKETT PAYSON.....	Union
IRVING KITCHEN SMITH.....	Presque Isle
OWEN HALBERT SMITH, <i>With Distinction</i>	Presque Isle
JOHN RUFUS STEVENS.....	Smyrna Mills

NEAL HARVEY WALKER, <i>With Highest Distinction</i>	Wiscasset
MAURICE HARVARD WHITTEN	Fort Kent
ROSLYN BRADFORD WILLEY	Orono

IN ANIMAL HUSBANDRY

WILLIAM ROBERTS BOOTH, <i>With Distinction</i>	Cumberland Center
DALE JARED BUTTERWORTH	Franklin, Mass.
FRANK WILLIAM DEWITT	Sherman Mills
ARNOLD ROBERT GILMAN	Forest Hills, N. Y.
HENRY LLOYD HARTWELL	Stetson
CHARLES LEONARD HOWE	Kingfield
SAMUEL JUDD WRIGHT, JR.	Clinton

IN BACTERIOLOGY

JOAN MCALLISTER	Gorham
CHARLES HENRY SHACKELFORD	Wenham, Mass.
ALLAN PHILBRICK STORER	Orono

IN BOTANY

WILLIAM KEITH BABEL, <i>With High Distinction</i>	North Tonawanda, N. Y.
ALLAN EUGENE PIPER	Troy

IN DAIRY HUSBANDRY

FREDERICK MARSHALL CROUSE, <i>With Highest Distinction</i>	Kents Hill
PAUL NEWELL MOSHER	Wilton

IN DAIRY TECHNOLOGY

ROY LAUREL ANDERSON	Newport
ALBERT DAVID BACKER	Brooklyn, N. Y.
LEROY CLARK BROWN	Farmington
HAROLD EVERETT THOMPSON, JR.	Leominster, Mass.

IN FORESTRY

ARNOLD BUFFUM BROWNELL	Cape Elizabeth
LAWRENCE EDWARD BURNEY	South Portland
EVERETT BACON CHAMBERLAIN	Belgrade Lakes
FREDERICK WALTER COWAN	Portland
WILLIAM HANS DEMANT	East Orange, N. J.
RICHARD VINCENT DUFFEY	East Orange, N. J.

PAUL RAYMOND DUMAS	Rumford
HOWARD LINCOLN EHRLNBACH	North Tonawanda, N. Y.
GEORGE DUDLEY GILMAN	North Abington, Mass.
WILLIAM DOUGLAS GREENE HAMILTON	Washington, D. C.
ANGUS EDWARD HUMPHRIES	Perry
ROBERT MAYES IRVINE	Framingham, Mass.
VERNON ELBERT JOHNSON	Milford
FRANKLYN LEWIS JONES	South Portland
ROBERT COLIN KINGHORN	Fitchburg, Mass.
CLIFFORD WHITE LIBBY	Portland
JOHN OLIVER MACGILLIVRAY	Newton Lower Falls, Mass.
ROGER FERNALD PAUL	York Beach
EDWARD ERNEST ROSS	Orono
JACOB SEROTA	Portland
ORMOND ADOLPH STAPLES	Camden
CLIFFORD ALTON STEVENS	Lincoln
BENJAMIN SABIN TROOP, <i>With Distinction</i>	Hartford, Conn.
FORREST GILES WHITMAN	East Auburn
ROBERT TABER WILLETS	Roslyn, N. Y.
JAMES FREDERICK WILLEY	St. Johnsbury, Vt.
ANGELO SALVATORE ZIENO, <i>With Distinction</i>	Norwich, N. Y.

IN HOME ECONOMICS

BARBARA BARRETT	Orono
MARY LENA BATES	Bath
MARY ELIZABETH BOONE, <i>With High Distinction</i>	Presque Isle
MIRIAM AGNES BROWN	Norway
PRISCILLA EVELYN BROWN	Milford
CLARA ERNESTINE CARVER	Vinalhaven
EVA ADELINE CLARK, <i>With High Distinction</i>	Orono
LAURA URSULA CRAFT	Bath
SARA LOUISE CULBERSON	Easton
CAMILLA DOAK	Belfast
JOANNA HOLMES EVANS	Wiscasset
FLORENCE JULIA FARNHAM	Lynn, Mass.
ISABELLE BALDWIN GARVIN	Alfred
ELIZABETH PAYSON GRANT, <i>With High Distinction</i>	Portland
MIRIAM ELIZABETH HOLDEN	Portland
VIRGINIA CHOATE JEWETT	Westport
GLENNA MAE JOHNSON	Ashville
MARGARET LOUISE JONES, <i>With Distinction</i>	Orono

PHYLLIS LUCY KNAPP	Bradley
MAXINE SHERWIN KNIGHTS	Brewer
RUTH BENSON LANDON, <i>With Distinction</i>	Kennebunkport
ELIZABETH MARY MCALARY	Rockland
MARION FLINT MILLER	Thomaston
SADIE RANCO MITCHELL	Old Town
SHIRLEY MARTHA MITCHELL	Fairfield
MARY ELIZABETH MOSHER	Bangor
BARBARA ALICE ORFF	Rockland
ELIZABETH FRANCES PEASLEE	Concord, N. H.
JEAN MARGARET PEIRCE	Bangor
CONSTANCE FANNY PHILBROOK	Shelburne, N. H.
HELEN MARION PHILBROOK	Shelburne, N. H.
RUTH HELENA REED	Madawaska
ELIZABETH GOULD ROWE	Milo
FRANCES LENORA SAWYER	Waterville
MADELINE MARIE SMART	Houlton
JULIA ALICE SMITH, <i>With Distinction</i>	Limerick
ANNA ELIZABETH VERRILL, <i>With Distinction</i>	Westbrook
JUNE ANNA WEBSTER	Bangor
DOROTHY HOPKINS WING, <i>With Highest Distinction</i>	Bath

IN HORTICULTURE

ROCKWOOD NORTON BERRY, <i>With Highest Distinction</i>	Livermore Falls
KARL WITMER STRITTER	Nahant, Mass.

IN POULTRY HUSBANDRY

RAYMOND FREDERICK DELANO	East Corinth
CECIL EDGAR HOWES, <i>With Distinction</i>	Patten
ALBERT EDWARDS JUDKINS	Upton
CHARLES BYRON SMITH, JR.	Orono

IN WILDLIFE CONSERVATION

ALBERT ERNEST HALL, JR.	Merchantville, N. J.
KENNETH WILLIS HODGDON	Anson
EDWARD LOUIS KOZICKY, <i>With Highest Distinction</i>	Eatontown, N. J.
JOHN HENRY MAASEN, JR.	Scarsdale, N. Y.
STEPHEN EDWIN POWELL	Orono
VIRGIL STEWART PRATT, <i>With Highest Distinction</i>	Stillwater
JAMES RICHARD REILLY	Tottenville, S. I., N. Y.

JACOB SHAPIRO	Salem, N. J.
FRANK PRICE SHEARER	Pennington, N. J.
WALTER PERSHING STRANG, <i>With Distinction</i>	Madison

COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts

IN BUSINESS ADMINISTRATION

HORACE GORDON BRACY	Ogunquit
GORDON ELMS CHASE	Bryant Pond
MEREDITH PHILIP DONDIS	Rockland
GEORGE ALLAN DUPLISSA, JR.	Old Town
ALBERT HYLDON FROST	Dexter
WALTER WADSWORTH GOSLINE	Gardiner
HAROLD ISAIAH HAMM	Bangor
JAMES WILLIAM HARRIS	Rumford
ROBERT ALLAN JACKSON	New Bedford, Mass.
EDWIN LOUIS MUTTY	Bangor
RICHARD TRIBLER NUNAN	Monhegan Island
BURT STERLING OSGOOD, JR.	Orono
VERNON GRANTHAM ROGERS	Bangor
PHILIP TORREY SHACKELFORD	Wenham, Mass.
ROBERT BUTMAN SMITH	South Portland
JOHN WILLIAM SOMES	Mt. Desert
ALLAN BROWN TARBELL	Smyrna Mills
JAMES KERR TWEEDIE	Lamoine

IN BUSINESS ADMINISTRATION AND ECONOMICS

ANNA ROBENA CAHILL	Bangor
--------------------------	--------

IN ECONOMICS

CHARLES JOSEPH ARBOR	Rumford
KENNETH WILBUR BLAISDELL	Ellsworth
ROBERT CARLISLE	Bangor
FAULKNER EARLMONT CHASE	Bryant Pond
JOHN CALDWELL CLEMENT, JR.	Belfast
CHESTER ARTHUR COLLEY	Newton Centre, Mass.
HERMENEGILDE PAUL COTE	Lewiston
GEORGE HATHAWAY ELLIS, <i>With High Honors</i>	Orono

EVERETT AUGUSTUS KIMBALL	Brewer
FRANK RAYMOND WILLIAMS	Mechanic Falls

IN ENGLISH

BARBARA ROSE ASHWORTH	Orono
KATHLEEN MARY BOYLE	Madison
RUTH CLOUDMAN BRIGGS	Augusta
ISABELLA CROSBY	Dexter
LINWOOD MCGUIRE DAY	Westbrook
ESTHER HINCKLEY DRUMMOND	Arrowsic
BEATRICE HELEN GLEASON	South Portland
LLOYD WILFRED GRIFFIN, <i>With High Honors</i>	Bradford, Mass.
ALMA MABEL HANSEN, <i>With Distinction</i>	South Portland
EMILY MARJORIE HOPKINS	Waterville
RUTH HOWE LINNELL, <i>With High Honors</i>	Pembroke
EDITH BLANCHE MCINTIRE	Dixfield
SYLVIA ANNA RUBIN	Bangor
CHARLOTTE ZELUMA WHITE, <i>With Honors</i>	Bowdoinham
RUTH ELIZABETH WHITE, <i>With Distinction</i>	Bangor

IN FRENCH

PAULINE FLORENCE CUSHING	Portland
RUTH JEANNETTE GARRISON, <i>With Distinction</i>	Madison
ESTHER LADORA THOMPSON	Biddeford

IN GOVERNMENT

FREDERICK ERNEST BURDEN	Orono
GEORGE FRANCIS DARVEAU	Orono
WALTER SHERWOOD REED, JR.	Boothbay Harbor

IN HISTORY

DOROTHY IRENE ALLEN	Bucksport
SIDNEY MORRIS ALPERT	Bangor
ALICE ELIZABETH CHRISTIE	Grand Lake Stream
MARGARET ALMA GRAY	Sandy Point
BETTY C. MACK	Bangor
MARGARET ELIZABETH PHILBROOK, <i>With High Distinction</i>	Tenafly, N. J.
LIV LUNDEVALL SMITH	Orono
MARGARET ELIZABETH TROTT, <i>With Distinction</i>	Bath
RAYMOND ANDREW VALLIERE, <i>With High Honors</i>	South Berwick

IN HISTORY AND GOVERNMENT

JOHN SEAGRAVE COLBY	South Paris
CORINNE LOUELLA COMSTOCK, <i>With Highest Distinction</i>	Millinocket
ALMA MARGUERITE FIFIELD, <i>With Honors</i>	Brewer
CHARLES FREDERICK LEINING	Mt. Vernon, N. Y.
EDWARD ELLIOT OPPENHEIM	Bangor
PETER JOHN SKOUFIS	Bangor
ALICE GERTRUDE STILLINGS	South Portland
HELEN BRADBURY WORMWOOD	Portland

IN JOURNALISM

JOSEPH MORTON INGHAM	Concord, N. H.
----------------------	----------------

IN LIBERAL ARTS AND NURSING

MARGARET LAURIE CHENEY	Monmouth
------------------------	----------

IN MATHEMATICS

MABELLE BLANCHE CONLAN	Biddeford
ROBERT AMBROSE CUMMINGS	Bryant Pond
JOSEPH SMART DINSMORE, JR.	Bangor
ROBERT DiPERSIO, <i>With Distinction</i>	Meriden, Conn.
PHILLIP GOOS	Bangor
ROBERT DUSTIN LARSSON	Gloucester, Mass.
NORMAN EARLE MARRINER	Camden
EMILY ALLEN RAND	Bangor
ELOISE PRATT SIMPSON	Attleboro, Mass.
PAUL ALEXANDER TOWNSEND	Blue Hill
BARBARA ALICE YOUNG	Calais

IN MUSIC

ELIZABETH GAMMONS	East Greenwich, R. I.
CLYDE EDMUND MYERS	Orono
AMY SHEPPARD WOOD	Old Town

IN PHILOSOPHY

BARBARA ADAMS JONES	Orono
---------------------	-------

IN PHYSICS

DONALD BROWN DEVOE, <i>With Honors</i>	Bangor
--	--------

IN PSYCHOLOGY

GEORGE CRANDLEMIRE GRANT.....	Waterville
FRANCES TAYLOR HORNE.....	Portland
VIRGINIA MOULTON.....	Bangor
ELIZABETH STANLEY REID.....	Bangor
MARGARET ROBINSON ROMERO, <i>With High Distinction</i>	Bangor
HILDA BARTON ROWE.....	Bangor
DORA BROWN WEST.....	Lexington, Mass.
FLORA GWENDOLYN WEYMOUTH.....	Howland

IN ROMANCE LANGUAGES

MARGARET JANE NICHOLS.....	Stillwater
RUTH GRAY PACKARD.....	Orono
ERNESTINE KING PINKHAM, <i>With Highest Distinction</i>	Portland
YVONNE ANNA POMEROY.....	Hampden Highlands
MARGARET CROMWELL TALBOT.....	Bangor
AGNES ANN WALSH.....	South Portland
CATHERINE MARGARET WARD, <i>With Highest Honors</i>	Portland
DAVID WYMAN WARREN, JR.....	Pripet
MARJORIE MARION WHITEHOUSE, <i>With High Distinction</i>	Augusta

IN SOCIOLOGY

CHARLENE MARY PERKINS.....	Madison
CLARALYN OWEN PREBLE.....	Enfield
PAULINE FRANCES RILEY.....	Biddeford
CHRISTINE EVELYN TUFTS.....	Kingfield

IN SPEECH

DAVID ASTOR.....	Portland
BROOKS BROWN, JR.....	Augusta
ELTON STEWART CARTER.....	Mapleton
QUENTON KENWOOD CRANDALL.....	Presque Isle
MARTHA ELIZABETH HUTCHINS.....	Kingfield
ELEANOR CAROLYN LOOK.....	Rockland
LEONA MAY RUNION, <i>With Distinction</i>	Orono
SAMUEL EDWIN TRACY, JR.....	Northeast Harbor
THOMAS RUSSELL WOOLLEY, JR.....	Bridgton

IN THEATRE

JEAN ELISABETH BOYLE.....	Madison
CALISTA LOUISE BUZZELL.....	Milford

student during the first week of school, and thereafter as often as seems advisable. These are intended to assist in the placement of the student with reference to her college program in the light of her physical ability and limitations; to inform the student as to her exact physical condition, so that she can intelligently conduct her mental and physical activity; and to discover as soon as possible any organic and physical defects in order to hasten their treatment.

Instructors in all activities place particular emphasis on two important aspects, the physical needs of the individual, and the fun of the game. To stimulate a wholesome competitive interest on the part of the student, the Women's Athletic Association conducts a series of interclass activities in hockey, basketball, archery, tennis, and other sports.

Regulation gymnasium uniforms (see page 68) are required for this work.

1. 2. Elementary Physical Education.—Required of all freshmen. Consists of postural and developmental gymnastics and physical efficiency tests for endurance, strength, and agility. Hockey, tennis, basketball, baseball, archery, and track may be substituted for this in season. *Two hours a week, no credit.*

1a. 2a. Modern Dance, Elementary.—May be substituted for Course 1. 2. Elements and appreciation of the modern dance. Emphasis is placed upon mood, body control, and the development of imaginative powers. *Two hours a week, no credit.*

3. 4. Advanced Physical Education.—Required of all sophomores. A continuation of Course 1. 2. The sports listed above may be substituted for this in season, for the purpose of developing greater skill and accuracy, as well as providing recreation. *Two hours a week, no credit.*

3a. 4a. Modern Dance, Advanced.—Continuation of Course 1a. 2a with more advanced technique and dance form. May be substituted for Course 3, 4. *Two hours a week, no credit.*

5. 6. Tap Dancing.—Can be taken for Physical Education credit for one year only, either freshman or sophomore year.

Individual Gymnastics.—Required of all freshmen and sophomores referred to the Department by the medical examiner or by their family physician for special work. Prescribed exercises for body building, posture, foot work, etc. Students who are required to take this work substitute it for Courses 1. 2 and 3. 4. *Two hours a week, no credit.*

21. Hygiene.—Required of all freshman girls in the College of Arts and Sciences. Designed to give a mature and scientific understanding of

DEGREES CONFERRED

303

HALSTED BUEL GODWIN	Orono
VIRGINIA MAE HOWE	Union
FREDERICK ANDREW LIBBY	Orono

IN ZOOLOGY

JUNE HANSON BRIDGES	Calais
WILLARD EDWARD FENDERSON	Calais
CHARLES ALFRED HALL, <i>With High Distinction</i>	Castine
ELIZABETH MARIAN HOPKINS	Lexington, Mass.
CLAIR ARTHUR KENNEDY, <i>With Distinction</i>	South Brooksville
ROBERT NELSON LUNDBERG	Gloucester, Mass.
JEAN ELLIN McDONOUGH	Portland
ROBERT IRVING MORRIS	Bangor
ELBERT SEWALL PRATT	Livermore Falls
HAROLD FALLE RHEINLANDER	Washburn
GEORGE CARL RISMAN, <i>With Distinction</i>	Roxbury, Mass.
FRANK O'NEIL ROBERTSON, JR.	Bethel
BYRON VANBLECK WHITNEY	Winn
MORRIS ZITANER	South Brewer

SCHOOL OF EDUCATION

Bachelor of Arts in Education

FOSTER L. HIGGINS, JR.	Bangor
RALPH M. HIGGINS	Bangor

Bachelor of Science in Education

ELWOOD ARTHUR ALLEN	Livermore Falls
FRANK ERNEST ANDERSON	Richmond
HENRIETTA ISABELLE AUSTIN	Fort Kent
WALTER EDWIN BERRY	Machiasport
BEATRICE AUSTIN BESSE	Brooks
DOROTHY MARIE BRADBURY	Fort Kent
FREDERICK OLSON BRIGGS	Augusta
OLIVE MARGUERITE CHICK	Steep Falls
EVERETT LAWRENCE CORMIER	Van Buren
FRANK EUGENE DRISKO	Harrington
ELEANOR EASTMAN	Providence, R. I.
MOFFAT ALEXANDER COWAN GARDNER	Orono
MAGNUS CLYDE GLEASON	Glens Falls, N. Y.

MIRIAM GOODWIN	North Anson
STUART PHELPS HASKELL	Lee
ALBERT EDWIN HILL, <i>With Distinction</i>	Warren
JOHN MICHAEL HOCTOR	Old Orchard Beach
KATHERINE VIRGINIA INGALLS	Ellsworth
ARTHUR LOUIS KELLEY	Fort Kent
ELSIE LEILLA KIERSTEAD	Blue Hill
EVERETT LAWRENCE MEADER	Ellsworth
WOODROW ABEL MERCIER	Rumford
GEORGE LESLIE MURRAY	Newport
ARCHIE WILLIAM NICKERSON	Belfast
ZOE DEBEAUSOLEIL PETTENGILL	Augusta
LAWRENCE CROSBY PLUMMER	Damariscotta Mills
JOYCE RAMSAY	Fort Kent
NORRIS ALLEN SAVAGE	Bar Harbor
DONALD RALPH SPRAGUE	Danforth
FRANCIS LEROY STROUT	Springvale
HARRY EARLE TRASK, JR.	East Wilton
RICHARD ARTHUR YORKE	Kingfield
PHYLLIS SMART YOUNG, <i>With High Distinction</i>	LaGrange

Bachelor of Science in Commercial Education

WILLIAM SYLVANUS BRAWN	Islesboro
MARY EVELYN CATIR	Portland
ADA TOWLE HAWKINS	Newfield
THELMA LOUISE HILLSON	Old Orchard Beach
DANA FORREST KENNEDY	Bangor

Bachelor of Science in Fine Arts Education

RUTH LOUISE TUTTLE	Portland
--------------------------	----------

COLLEGE OF TECHNOLOGY

Bachelor of Science

IN CHEMICAL ENGINEERING

PAUL CLAYTON BILLINGS	Stonington
LAURENCE ARTHUR COOPER, JR.	Auburn
GEORGE BENJAMIN COTTON, <i>With Distinction</i>	Auburn
RAYMOND HENRY EDGECOMB, <i>With Distinction</i>	Sebago Lake

DONALD WOOD GOODCHILD	Saco
DAVID SUTTON GREENLAW, <i>With Distinction</i>	Norway
JOSEPH LAWRENCE KILAS	Rumford
ALFRED ALROY MANN, <i>With Highest Distinction</i>	Raymond
NAHUM WENTWORTH MITCHELL, JR.	West Newfield
JOHN DUNNING PENNELL, JR., <i>With High Distinction</i>	Portland
WILLIAM JAMES RIDDLE	Bridgton
THOMAS JOSEPH SMITH, JR.	West Haven, Conn.
THEODORE SOBEL, <i>With Distinction</i>	New York, N. Y.
DANIEL JAMES TARDONI	Sayre, Pa.
ALLEN DUDLEY TRASK	Melrose, Mass.
JAMES OLIVER WILLIAMS, <i>With High Distinction</i>	Ogunquit

IN CHEMICAL ENGINEERING—PULP AND PAPER DIVISION

ALBERT HAYDEN ADAMS	Canton
ROGER OLNEY BENJAMIN	New York, N. Y.
RICHARD RAYMOND CHASE, <i>With High Distinction</i>	Portland
LAURENCE JOSEPH HARLOW	Barre Plains, Mass.
LAWRENCE BABBITT KELLEY	Bellows Falls, Vt.
MANUEL VICENTE LOCSIN	Victorias, Occ. Negros, P. I.
GEORGE LEONARD NYSTROM	Plainville, Conn.

IN CHEMISTRY

FRANCIS HENRY DOLE	Bangor
EDGAR FULLER SEWELL	Bangor
CARL EDWARD SPENCER	Anson

IN CIVIL ENGINEERING

WILSON MERRIMAN ALFORD, <i>With Distinction</i>	Windsor, Conn.
BYRON WHITEFIELD CANDAGE	Seal Harbor
RICHARD HOLDEN CHASE	Sharon, Mass.
MORRIS ALONZO ERNST	York Village
CARL PHILIP HAGENSEN	Bangor
JAMES HAYWOOD HARTWELL	Trenton, N. J.
WALTER ALLAN HOOK	Portland
JOHN FOLSOM HOYT	Fort Fairfield
CARL ALVIN NEWHALL, JR.	Peabody, Mass.
HOWARD ROSCOE PERKINS	Orono
HARRY DAVID SHUTE	Augusta
GRANT DOCKENDORFF STAPLES	Whitefield

WALTER LEWIS STISULIS	Mexico
JOHN PERRIN TROWBRIDGE	Pomfret Center, Conn.

IN ELECTRICAL ENGINEERING

DONALD BLAISDELL	Reading, Mass.
CARL RAYMOND BROWN, <i>With Highest Distinction</i>	Levant
DAVID LOUIS BYER	Bangor
LESTER DURAN CHIPMAN, <i>With High Distinction</i>	Mechanic Falls
JOHN EARNSHAW, JR.	Fall River, Mass.
JOHN JOSEPH EDMUNDS, JR.	Mars Hill
ROBERT BURRILL GOODWIN	Brewer
DONALD GORDON HATCHARD	Tenafly, N. J.
ALLAN BRAGDON HOLMES	Guilford
JAMES ROBERT MARSHALL	Farmington
HAROLD SIDNEY MILLAY	Richmond
CLAYTON HINCKLEY PREBLE	Addison
RAYMOND EDGAR THORN	Reading, Mass.

IN ENGINEERING PHYSICS

BLENDIN LEROY BURTON, <i>With Distinction</i>	Bangor
ARNOLD HINCKLEY CLARK	Liberty
FRANKLIN DUNBAR DEXTER	Martinsville, N. J.
ROBERT SKILLINGS McDONALD, <i>With Highest Distinction</i>	Portland
WILLIAM FRAZIER PARSONS, <i>With Distinction</i>	Skowhegan
CECIL SHERMAN WOODBREY	Sebago Lake

IN GENERAL ENGINEERING

JOHN DUDLEY UTTERBACK	Bangor
-----------------------------	--------

IN MECHANICAL ENGINEERING

CHARLES EDWARD ADAMS, JR.	Madison
CHARLES LEO BAKER	Bucksport
HARTLEY LANPHER BANTON	Newport
RUSSELL ELIOT BELKNAP	Norfolk, Mass.
KENNETH DEANE BELL, <i>With Distinction</i>	Orono
RAY JASPER BEVERAGE	North Haven
AVERY LINDLEY BOND	Jefferson
RICHARD ARTHUR BRAMHALL	Quincy, Mass.
SIDNEY SAUL BRODY	East Dedham, Mass.
JOHN FRANCIS BYRNE	Marlboro, Mass.

JAMES STEVENS CONDON, <i>With Distinction</i>	South Brooksville
JUDSON BURLEIGH CRANE.....	Whiting
STEWART WILLARD DALRYMPLE.....	Newton Centre, Mass.
JOHN BARTHOLOMEW DEARBORN.....	Ansonia, Conn.
RUSS PARKER DEARBORN.....	Melrose, Mass.
EARL GRAEME DOUGLAS.....	Hull, Mass.
JOHN REED DYER.....	Augusta
GEORGE NORTON FISHER.....	Wakefield, Mass.
HORACE LEONARD GARDNER, JR.....	Freeport, L. I., N. Y.
CLARENCE KITCHENER GENGÉ.....	Dexter
SIDNEY JOSEPH GOODRICH.....	Gorham
JAMES OLIVER HAMILTON, 2ND.....	Waterboro
FRED CROWELL HANSON.....	Bangor
RICHARD SAMUEL HOPKINS.....	Bucksport
GORDON BUSH MCKAY, <i>With Distinction</i>	Old Town
STEWART FRANCIS OAKES.....	Rangeley
JOHN KEW O'DONOGHUE.....	Lowell, Mass.
HARRY CLOTHEY PEAVEY, JR.....	Fort Devens, Mass.
CLIFFORD GIVEN PERRY.....	Bowdoinham
OSCAR WALTER RIDDLE.....	Rangeley
KENNETH NOBLE ROBERTSON.....	Auburn
LEROY GRENVILLE SHEPARD.....	Deer Isle
CLINTON VIRGIL STARBIRD.....	Strong
WILLIAM ALBERT ST. GERMAIN.....	Greenville
CHARLTON PERCIVAL STUBBS.....	Bucksport
RICHARD PAUL SULLIVAN.....	Portland
FREDERICK FOSTER TRACY.....	Northeast Harbor
SHIRLEY GWYNNE WEBSTER.....	Lincoln
DONALD WILLIAMS WESTON.....	Madison
FRANCIS ADAMS WHEELER, <i>With Distinction</i>	Auburn
GORHAM HOMER WILBUR.....	Dexter

ADVANCED DEGREES

Master of Arts

IN EDUCATION

MARION ABIGAIL DUBOURDIEU (A.B., Bates, 1919).....	Bangor
Title of Thesis: A Study of Achievement in Algebra with Varying Amounts of Instruction	

- WILLARD CURTIS FLYNT (B.A., Colby, 1934) Glens Falls, N. Y.
 Title of Thesis: A History of Public Education
 in the City of Glens Falls, New York
- HERBERT LEROY PRESCOTT (A.B., Bowdoin, 1930) Bangor
 Title of Thesis: Radio Programs in Secondary-School
 Classrooms in the State of Maine, 1940-41
- VACHEL LINDSAY WAKEFIELD (B.A., Hiram, 1930) Green Lake
 Title of Thesis: A History of East Corinth
 Academy, 1843-1940
- ADELAIDE MURRELL WALL (B.S., Pittsburgh, 1936) Bangor
 Title of Thesis: A Study of the Graduates from
 1930 to 1940 of State Teachers College, Frostburg,
 Maryland

IN ENGLISH

- KATHLEEN ROSALIND CHAMBERS (A.B., Barnard, 1929) Ocean Park
 Title of Thesis: Some Imaginative Figures of Speech
 in the Poetical Works of Geoffrey Chaucer
- CHARLOTTE DRUMMOND MEINECKE (B.A., Smith, 1928) Bangor
 Title of Thesis: Annals of the Drama in Bangor, Maine, 1834-1882
- ENID ELVA RICE (B.A., Acadia, 1940) Petitcodiac, N. B., Canada
 Title of Thesis: Changing Attitudes toward Social Criticism
 in the Plays of Robertson, Pinero, Galsworthy, and Maugham
- ARVILLA JANE HUGHES (B.A., Allegheny, 1934) Greensburg, Pa.
 Title of Thesis: The Women in Mrs. Wharton's Novels

IN HISTORY

- IRENE ALLEN (B.S. in Ed., Boston University, 1930) Somerville, Mass.
 Title of Thesis: An Historical Survey of the
 Universalist Movement

IN MATHEMATICS

- JEANETTE LAMOREAU ELA (B.A., Maine, 1939) North Anson
 Title of Thesis: Application of the Theory of Rotating
 Vectors to the Solution of Linear Differential Equations

IN PSYCHOLOGY

- MARGUERITE EDITH KYER (B.A., Maine, 1939) Brewer
 Title of Thesis: Psychological Dysfunctioning and
 Personality Traits in Alcoholic Patients

- MARION LOUISE WHITE (B.A., Maine, 1940) Bangor
 Title of Thesis: The Derivation of Mental Age Equivalents
 for Vocabulary Scores in the 1937 Terman and Merrill
 Revision of the Stanford-Binet Intelligence Scale, Form L

IN ZOOLOGY

- ROBERT SMALL CAIL (B.A., Maine, 1939) Portland
 Title of Thesis: The Influence of Calcium and Hydroxyl Ions
 on the Effects of Acetylcholine on Isolated Guinea Pig Gut
- JULIET MILLER SPANGLER (A.B., Wheaton, 1939) Winterport
 Title of Thesis: The Genetics of Susceptibility of Mice
 to a Transplantable Melanoma
- FRANCIS LAWRENCE TOPPING (B.A., Maine, 1935) Milbridge
 Title of Thesis: The Accommodation of Some Marine
 Invertebrates to Reduced Osmotic Pressures

Master of Science

IN AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

- JOSEPH MYRON JOHNSON (B.S., Maine, 1940) Harrison
 Title of Thesis: The Apple Industry with Special
 Emphasis on Maine
- CLIFTON EUGENE WHITNEY (B.S., Maine, 1940) Winn
 Title of Thesis: A Study of the Marketing of Milk and
 Cream Shipped from Maine to Boston

IN ANIMAL INDUSTRY

- JOHN CLARK OSBORNE (B.S., Virginia Polytechnic
 Institute, 1939) Independence, Va.
 Title of Thesis: A Comparative Study of Strains of
 Microorganisms Involved in Chronic Colibacillosis in Fowl

IN BIOLOGY

- WILLIAM BRICE ENNIS, JR. (B.S., Tennessee, 1939) Martin, Tenn.
 Title of Thesis: A Study of Variability and Inheritance
 in Different Kinds of Sweet Corn Crosses

IN CHEMICAL ENGINEERING

- BENJAMIN WALTER ELA, JR. (B.S., Maine, 1940) North Anson
 Title of Thesis: Desorption Coefficients for the System
 Sulfur Dioxide and Water

- HERBERT JAY KANDEL (B.S., Virginia Military Institute, 1939) . . . Norfolk, Va.
 Title of Thesis: An Investigation of the Heating Value
 and Analyses of Pulp Mill Black Liquor
- HERMAN MARTIN MAASS (B.S., State College of
 Washington, 1939) Spokane, Wash.
 Title of Thesis: Effect of Composition on Plate Efficiency
 in a Bubble-Cap Rectifying Column

IN CHEMISTRY

- NORMAN MORROW PEACOCK (B.Sc., New Brunswick, 1939)
 St. John, N. B., Canada
 Title of Thesis: The Effect of Addition Salts on the
 Electrochemical Reduction of p-Nitrobenzoic Acid

IN CIVIL ENGINEERING

- KARL NEWCOMB HENDRICKSON (B.S., Maine, 1938) Brewer
 Title of Thesis: Soil Stabilization for Undisturbed
 Sampling by Chemical Grouting
- MATTHEW MCNEARY (B.S., Pennsylvania State, 1932) Orono
 Title of Thesis: The Effect of Change of Shape and
 Type of Grips on the Magnitude and Uniformity of the
 Apparent Tensile Strength of Portland Cement
 Mortar Briquets

IN EDUCATION

- EDMUND WILLIAM DONALD (B.P.E., Springfield, 1921) Troy, N. Y.
 Title of Thesis: Survey of Intramural Athletic
 Programs in Colleges and Universities

IN PHYSICS

- MELVIN VOORHEES LANDON (A.B., Williams, 1938) Orono
 Title of Thesis: The Raman Spectra of Three Compounds
 of the Methanesulfonyl Chloride Series

IN WILDLIFE CONSERVATION

- WALTER HOWETH KITTAMS (B.S., Utah State Agricultural, 1939)
 Great Falls, Mont.
 Title of Thesis: Deer Damage and Control in
 Cultivated Crops and Orchards in Maine

ARROLL LISCOMB LAMSON (B.S., Connecticut State, 1933) Simsbury, Conn.

Title of Thesis: Maine Moose Disease Studies

JOYE HAROLD SEVERAID (B.S., Iowa State, 1938) Huxley, Iowa

Title of Thesis: The Life History and Artificial Propagation
of the Snowshoe Hare (*Lepus americanus struthopus* Bangs)

Master of Science in Education

GEORGE IRA MORRISON (B.S. in Ed., Maine, 1936) Milford, Conn.

Title of Thesis: An Investigation of the Changes
in the Content and Method of Mathematics in Our
Public Schools since 1800

Master of Education

ROLAND BUTTERFIELD ANDREWS (B.S., Colby, 1928) Lee

Title of Paper: An Analysis of the Reading Program
in School Union 110

HAROLD EUGENE CARSON (B.S., Colby, 1928) Hartland

Title of Paper: A Proposed Basal Reading Series
for School Union 63

CATHRYN RITA HOCTOR (B.S. in Ed., Maine, 1936) Concord, N. H.

Title of Paper: Vicarious Experiences of Fifth-Grade
Pupils: A Study of Concord, New Hampshire, Children

CHARLES EVERETT PAGE, JR. (B.S. in Ed., Maine, 1933) Bangor

Title of Paper: Complete versus Partial Departmentalization
in the Junior High School

LEONARD JOHN SCHMITT (A.B., Kentucky Wesleyan, 1931)
New Britain, Conn.

Title of Paper: The Need, Value, and Supervision
of Visual Education

PROFESSIONAL DEGREES

CIVIL ENGINEER

ARTHUR BRADFORD CRONKRIGHT (B.S., Maine, 1933) Greenwich, Conn.

Title of Thesis: Plumbing and Public Health

FOREST ENGINEER

CECIL MAX HILTON Greenville

Title of Thesis: Equipment and Methods Used at Pulpwood
Operations upon the West Branch of the Penobscot River
in Maine, 1935-1940

CERTIFICATE

IN THE TWO-YEAR COURSE IN AGRICULTURE

EDWARD CARLILE CHOATE	Portland
EDWARD GLIDDEN COX, JR.	Brooks
EDWIN BLACK EMERY	Limington
HAROLD EUGENE FERRY	Newport
CLAYTON HEBER GAY, JR.	Cherryfield
HORACE SMITH LANCASTER	Bowdoinham
ROLAND LINWOOD POWERS	Medway
WALTER CLYDE THOMAS, JR.	Westfield, N. J.
PHILIP STANLEY YOUNG	Orono

GENERAL HONORS

DONALD BROWN DEVOE	<i>Honors</i>
GEORGE HATHAWAY ELLIS	<i>High Honors</i>
ALMA MARGUERITE FIFIELD	<i>Honors</i>
LLOYD WILFRED GRIFFIN	<i>High Honors</i>
RUTH HOWE LINNELL	<i>High Honors</i>
RAYMOND ANDREW VALLIERE	<i>High Honors</i>
CATHERINE MARGARET WARD	<i>Highest Honors</i>
CHARLOTTE ZELUMA WHITE	<i>Honors</i>

DEPARTMENTAL HONORS**College of Technology**

IN CHEMICAL ENGINEERING

RAYMOND HENRY EDGECOMB	ALFRED ALROY MANN
DAVID SUTTON GREENLAW	THEODORE SOBEL
JAMES OLIVER WILLIAMS	

IN CHEMICAL ENGINEERING—PULP AND PAPER DIVISION

RICHARD RAYMOND CHASE

IN CIVIL ENGINEERING

WILSON MERRIMAN ALFORD	HARRY DAVID SHUTE
------------------------	-------------------

the principles of health and to create an interest in their application to one's self and one's social relationships. Classroom, *two hours a week. Two credit hours.*

MEMBERS OF THE DEPARTMENTAL STAFF AND OTHERS

Teachers' Certificate Courses in Physical Education for Women

The following courses are for students who wish to minor in Physical Education and thus obtain a Secondary State Teachers' Certificate from the State Department of Education.

Prerequisites: Physical Education 1, 2, 3, 4 without credit; General Zoology, *four credit hours*; Elementary Physiology and Hygiene, *two credit hours*; Human Physiology, *five credit hours*.

7. *The Principles of Physical Education and Hygiene.*—An introductory course in the interpretation and objectives of physical education. Open to juniors who are preparing to teach. *Three hours a week and field work, two credit hours.*

8. *Physical Examination and Measurements.*—The purposes, management, and techniques of physical examination and first aid with the exception of the determination of organic capacity for activities. Open to juniors who have taken Zoology 1 and 12a and Pe 21. *Three hours a week and field work, two credit hours.*

9. *Methods for Teaching Physical Education.*—The methods of teaching physical education activities through the grades and high school, and also practice teaching. Open to seniors who have passed Courses 7 and 8. *Three hours a week and field work, two credit hours.*

18. *Theory of Girls' Athletics.*—Girls' athletics from the standpoint of girls' need of physical education. Specializes in athletics. Instruction in organized team games, such as basketball, hockey, tennis, archery; recreational activities, such as volleyball, badminton, deck tennis. *Three hours a week and field work, two credit hours.*

20. *Teaching of Recreational Activities.*—The need, nature, and function of recreational programs and the conducting of festivals and pageants. The contribution of physical education to community recreation in the phases needed by social workers, 4-H Club leaders, directors, and teachers of physical education in organizing and administering recreational programs. *Three hours a week, three credit hours.*

24. *First Aid.*—Given alternate years in the spring semester. Includes the fundamentals prescribed in the First Aid Outline of the American Red

IN ELECTRICAL ENGINEERING

CARL RAYMOND BROWN

CLAYTON HINCKLEY PREBLE

IN ENGINEERING PHYSICS

ROBERT SKILLINGS McDONALD

WILLIAM FRAZIER PARSONS

CECIL SHERMAN WOODBREY

IN MECHANICAL ENGINEERING

HARTLEY LANPHER BANTON

JOHN KEW O'DONOGHUE

KENNETH DEANE BELL

RICHARD PAUL SULLIVAN

GORDON BUSH MCKAY

SHIRLEY GWYNNE WEBSTER

**The following received commissions as Second Lieutenant
Officers' Reserve Corps**

INFANTRY

HENRY HAVELOCK BARTLEY
 ROCKWOOD NORTON BERRY
 BROOKS BROWN, JR.
 DALE JARED BUTTERWORTH
 ROBERT CARLISLE
 GEORGE HATHAWAY ELLIS
 JAMES WILLIAM HARRIS
 ANGUS EDWARD HUMPHRIES
 ROBERT MAYES IRVINE
 DUNCAN HENRY JEWELL
 ROBERT COLIN KINGHORN
 FREDERICK ANDREW LIBBY
 EDWIN LOUIS MUTTY
 MALCOLM GEORGE NICHOLS
 CARLTON BURKETT PAYSON
 RICHARD HERD PIERCE
 CHARLES BYRON SMITH, JR.
 JOHN WILLIAM SOMES
 ROGER AUSTIN STEARNS
 CLIFFORD ALTON STEVENS
 SAMUEL EDWIN TRACY, JR.
 MAURICE HARVARD WHITTEN

COAST ARTILLERY

CHARLES EDWARD ADAMS, JR.
 HARTLEY LANPHER BANTON
 CARL RAYMOND BROWN
 JOHN FRANCIS BYRNE
 ARNOLD HINCKLEY CLARK
 GEORGE BENJAMIN COTTON
 JUDSON BURLEIGH CRANE
 FRANKLIN DUNBAR DEXTER
 DONALD WOOD GOODCHILD
 LAWRENCE BABBITT KELLEY
 JOSEPH LAWRENCE KILAS
 WALTER NEWELL MACGREGOR
 HARRY CLOTHEY PEAVEY, JR.
 HOWARD ROSCOE PERKINS
 CLAYTON HINCKLEY PREBLE
 RICHARD PAUL SULLIVAN
 DONALD WILLIAMS WESTON

CHEMICAL WARFARE

ROGER OLNEY BENJAMIN
 THEODORE SOBEL

ORDNANCE

CECIL SHERMAN WOODBREY

The following (being under age) received Certificates for Appointment in the Officers' Reserve Corps

CHARLES NICHOLS BLANCHARD
DONALD BROOKS HOLYOKE

HONORARY DEGREES

EDMUND MORRIS BAILEY, Master of Science
RUTH DRAPER, Doctor of Fine Arts
CARL EDWIN LADD, Doctor of Laws
JOHN PHILLIPS MARQUAND, Doctor of Letters
WILLIAM NICKELS PATTEN, Doctor of Engineering
FRANK JUDSON RIGBY, Master of Arts
GEORGE HENRY WORSTER, Doctor of Laws
CHARLES PARTRIDGE WESTON, Doctor of Science

CATALOG OF STUDENTS

Major subjects are indicated as follows: Ae. Agricultural Education, Ag. Agronomy, Agr. Agriculture, Agr. Eng. Agricultural Engineering, Al. American Literature, Am. Hy. American History, An. Animal Husbandry, At. Art History, Ba. Business Administration, Bc. Biological Chemistry, Bl. Biology, Bt. Botany, By. Bacteriology, Ch. Chemistry, Ch. Eng. Chemical Engineering, Ce. Civil Engineering, Cl. Classics, Dh. Dairy Husbandry, Di. Dairy Industry, Dr. Drama, Dt. Dairy Technology, Ed. Education, Ee. Electrical Engineering, Eh. English, En. Entomology, Eng. Engineering (Course not specified), Eng. Ps. Engineering Physics, Es. Economics, Eu. Hy. European History, Fa. Fine Arts, Fm. Agricultural Economics and Farm Management, Fn. Foods and Nutrition, Fr. French, Fy. Forestry, Ge. General Engineering, Gl. Geology, Gm. German, Gt. Government, Gy. Geography, Hy. History, He. Home Economics, Ht. Horticulture, Jn. Journalism, Lt. Latin, L.A. & N. Liberal Arts and Nursing, Mc. Music, Me. Mechanical Engineering, Ms. Mathematics, Pa. Chemical Engineering—Pulp and Paper Division, Pc. Physiological Chemistry, Pg. Physiology, Ph. Poultry Husbandry, Pl. Philosophy, Pp. Plant Pathology, Ps. Physics, Py. Psychology, Rl. Romance Languages, Sy. Sociology, Sp. Spanish, Sh. Speech, Th. Theatre, Wc. Wildlife Conservation, Zo. Zoology. Chemistry in the College of Arts and Sciences is indicated by Ch.A.

GRADUATE STUDENTS

Aaron, Foster Elmer, B.S., M.Ed., Ed.	<i>Bangor</i>	36 Fourth Street, Bangor Rhode Island State, 1936; Boston University, 1941
Allen, Donald Paine, B.S., M.A., Ed.	<i>Old Town</i>	
Bowdoin, 1938; Columbia, 1939		285 Center Street, Old Town
Besse, Beatrice Austin, B.S. in Ed., Ed.	<i>Brooks</i>	
Maine, 1941		Stillwater Avenue, Stillwater
Borden, Ruby Anne, B.Sc., Fn.	<i>Wolfville, N. S.</i>	
Acadia, 1940	<i>Canada</i>	3 Riverdale
Brown, Charles Philip, B.S., Wc.	<i>Millers Mills, N. Y.</i>	
New York State College of Forestry, 1935		10 Gilbert Street

Buck, Raymond Wilbur, Jr., B.S., Bl. Maine, 1941	<i>Monticello</i>	A F P House
Burbank, Oren Abijah, B.S., Ed. Vermont, 1927	<i>Brattleboro, Vt.</i>	105 Main Street
Carter, Hester Louise, B.A., Ed. Maine, 1934	<i>Hancock</i>	526 Center Street, Old Town
Clark, Eldon Ralph, B.S., Wc. Maine, 1940	<i>Dennysville</i>	23 Park Street
Cooper, James, Jr., B.Ch.E., Ch.Eng. Pratt Institute, 1940	<i>Bristol, Conn.</i>	64 Hill Street
Drisko, Clarence Holmes, B.S., Ed. Maine, 1921	<i>Bangor</i>	64 West Street, Bangor
Fitzherbert, Eleanor Margaret, B.A., Eh. Maine, 1928	<i>Orono</i>	2 Spencer Street
Gale, Nellie Isabella, B.S. in Ed., Ed. Maine, 1933	<i>Bangor</i>	68 Montgomery Street, Bangor
Garland, Frederick Warren, Jr., B.S., An. New Hampshire, 1941	<i>Pelham, N. H.</i>	25 Myrtle Street
Gillett, Gordon Edward, A.B., Hy. Bowdoin, 1934	<i>Old Town</i>	11 South Brunswick, Old Town
Gombert, Gordon Louis, B.S., Ch. Kent State, 1941	<i>Coyahoga Falls, Ohio</i>	43 Peters Street
Goodwin, Harry Allan, B.A., Zo. St. Anselm's, 1939	<i>Manchester, N. H.</i>	23 Park Street
Gregory, Gardiner Emerson, A.B., Ed. Colby, 1939	<i>Old Town</i>	285 Center Street, Old Town
Griffin, Lloyd Wilfred, B.A., Eh. Maine, 1941	<i>Bradford, Mass.</i>	7 Summer Street
Guthrie, Robert, B.A., By. Minnesota, 1941	<i>Minneapolis, Minn.</i>	54 Pine Street
Haslop, Rebecca Elaine Emily, B.A., Ch. Linfield, 1940	<i>Portland, Ore.</i>	35 Grove Street
Healy, Richard Wyman, B.A., Ed. Maine, 1938	<i>Orono</i>	3 Park Lane

Jones, Dettmar Wentworth, Jr., B.A., Hy. & Gt. Harvard, 1941	<i>Hampden Highlands</i> R.F.D. #2, Hampden Highlands
Jordan, Marion Luella, B.A., Ed. Maine, 1914	<i>Old Town</i> 7 Willow Street, Old Town
Kelley, Larsen Nathaniel, B.A., Ed. Maine, 1933	<i>Jonesport</i> 34 Forest Avenue
MacBride, Dorothy Helena, B.A., Zo. New Brunswick, 1940	<i>St. Stephen, N. B.,</i> <i>Canada</i> 164 College Avenue
McGinley, Frank Flint, B.S., Ed. Bates, 1924	<i>East Holden</i> East Holden
Maguire, Marie Louise, A.B., Es. & Sy. Bennington College, 1937	<i>Orono</i> 37 Pine Street
Marston, Merwin Abbott, B.S., Wc. Maine, 1939	<i>East Waterford</i> 23 Park Street
Murphy, John James, B.S., Ps. Holy Cross, 1941	<i>Danbury, Conn.</i> 40 College Avenue
Nason, Beverly Ross, B.S., Ch.Eng. Maine (Ch.) 1939, (Ch.Eng.) 1940	<i>Bradley</i> Bradley
Osgood, Carl Chapin, B.S., Me. Maine, 1938	<i>Ellsworth</i> 40 College Avenue
Perry, Mary Katherine, B.A., Ed. Maine, 1936	<i>Orono</i> 39 Pine Street
Pratt, Virgil Stewart, B.S., Zo. Maine, 1941	<i>Stillwater</i> Bennoch Road, Stillwater
Pride, Lona Althea, B.S. in Ed., Ed. Boston University, 1932	<i>Island Falls</i> College Avenue
Robinson, Glenn Meredith, B.S. in Ed., Ed. Maine, 1940	<i>Bangor</i> 282 West Broadway, Bangor
Robinson, Veysey Hiram, B.Ped., Ed. Maine, 1917	<i>Old Town</i> 183 Stillwater Avenue, Old Town
Rogers, John Clinton, B.S., Di. Vermont, 1940	<i>Enosbury Falls, Vt.</i> 7 Park Street
Sawyer, Clayton Leonard, B.A., Ch. Maine, 1938	<i>Orono</i> Park Street

Shigley, James William, B.S., Bc. Pennsylvania State College, 1940	<i>State College, Pa.</i>	38 Oak Street
Simpson, Verne Gerald, B.S., Ch. South Dakota State College, 1940	<i>Brookings, S. D.</i>	430 College Avenue
Staples, Ormond Adolph, B.S., Wc. Maine, 1941	<i>Camden</i>	25 Myrtle Street
Stinchfield, Roger Maxim, B.S., Ch.Eng. Maine, 1939	<i>Wayne</i>	230 Main Street
Swim, Lillian Baxter, B.A., Eh. Acadia, 1941	<i>Lockeport, N. S. Canada</i>	37 Pine Street
Takos, Michael James, B.S., Wc. Pennsylvania State College, 1940	<i>Pittsburgh, Pa.</i>	69 Forest Avenue
Taylor, Frank Melroy, B.S., C.E., Ce. Lafayette, 1928, 1937	<i>Bangor</i>	73 Broadway, Bangor
Thurston, Frederick Clark, B.A., Eh. Maine, 1940	<i>Bangor</i>	34 Vine Street, Bangor
Thurston, Frederick Lovejoy, A.B., Ed. Bates, 1906	<i>Bangor</i>	34 Vine Street, Bangor
Tolman, Elizabeth Bryant, A.B., Es. Smith, 1941	<i>Hingham, Mass.</i>	The Elms
Vannah, Sherman, B.S., Me. Maine, 1938	<i>Orono</i>	74 North Main Street
Viola, Thomas Anthony, B.S. in Ed., Ed. Maine, 1933	<i>Old Town</i>	Center Street, Old Town
Wright, Charles Milton, B.S., Bt. University of Illinois, 1940	<i>Orono</i>	51 North Main Street

SENIORS

Abbott, Susan Dukeshire, He.	<i>Union</i>	The Elms
Adams, Earl Castner, Rl.	<i>Portland</i>	University Cabin
Adasko, Miriam Revilla, Hy. & Gt.	<i>Gloucester, Mass.</i>	Estabrooke Hall, N
Albert, Joseph James, Es.	<i>Bangor</i>	96 Garland Street, Bangor
Alexander, Alyce Thompson, Ed.	<i>Prentiss</i>	3 Riverdale
Anderson, John Rudolph, Me.	<i>Livermore Falls</i>	Φ Γ Δ House
Andrews, Frances Christine, He.	<i>Portland</i>	Estabrooke Hall, N

Andrews, Francis Swain, Gt. & Es.
 Arbo, Edward Payson, Sy.
 Armitage, Walter Howard, Me.
 Ashman, Shirley Gladys, Rl.
 Atwood, Florence Caro, He.
 Axtell, Arthur Gardner, Wc.

Bacon, Henry Ferdinand, Ce.
 Banton, Madeliene Lois, He.
 Bardo, Clinton Lloyd, Fy.
 Barker, Elizabeth Jane, Eh.
 Barrows, Edward Pomeroy, Ba.
 Bartlett, Paul Vernon, Bc.
 Bartlett, Phyllis Audrey, Ed.
 Bean, Bryant Chapman, Th.
 Beaton, Clifford Merrill, Ms.
 Beaton, Robert John, Wc.
 Beckmann, William Richard, Wc.
 Beegel, Paul Milton, Zo.
 Berg, Shirley Belle, Sy.
 Berry, Jeannette Elizabeth, Py.
 Bickford, Frances Elizabeth, He.
 Bigelson, Arthur, Ee.
 Bither, Gordon Haley, Ed.
 Blake, Clifford Arnold, Fm.
 Blake, Cora Josephine, He.
 Blanchard, Bertrand Everett, Fm.
 Blodgett, Malcolm Hinckley, Ed.

Blood, Harold Virgil, Ed.
 Bommattei, Ralph Louis, Ed.
 Bonney, Alton Grover, Jr., Eng. Ps.
 Bowden, George Thomas, Jr., Ed.
 Bower, John Allen, Me.
 Bowser, Robert Vance, Ee.
 Boyd, Arthur, Fm.
 Bradeen, Doris Mae, He.
 Brewer, Dorothy Frances, He.
 Brewster, Frank Eugene, Ch.Eng.
 Brink, Robert Morris, Ee.
 Brown, Harvey Weston, Hy. & Gt.

Norway Σ X House
 Brownville Brownville
 Methuen, Mass 395 College Avenue
 Augusta Estabrooke Hall, N
 Brunswick Estabrooke Hall, N
 Saugerties, N. Y. Φ H K House

Oakland 25 Grove Street
 Newport Estabrooke Hall, S
 Providence, R. I. Λ X A House
 Bangor Colvin Hall
 Newport 36 Main Street
 Portland 50 Pine Street
 Portland Stillwater
 Bryant Pond Λ X A House
 Brownville Junction Θ X House
 Stoughton, Mass. 23 Park Street
 Brooklyn, N. Y. Σ A E House
 Bangor 200 Essex Street, Bangor
 Bangor 156 Maple Street, Bangor
 Houlton Estabrooke Hall, S
 Madison Estabrooke Hall, S
 Bangor 142 York Street, Bangor
 Houlton K Σ House
 Cornish Φ M Δ House
 LaGrange Estabrooke Hall, N
 Dover-Foxcroft Φ H K House
 West Brooksville

River Camps, College Avenue
 Dover-Foxcroft Σ A E House
 Bangor 73 Broadway, Bangor
 Portland University Cabin
 Orono 33A Mill Street
 Auburn Δ T Δ House
 Reading, Mass. Φ K Σ House
 Milford Milford
 Millinocket Estabrooke Hall, N
 Bar Harbor Estabrooke Hall, N
 South Portland Φ H K House
 Cape Elizabeth 58 Park Street
 Mt. Desert 29 Forest Avenue

Browne, Robert Irving, Fm.
 Bucknam, William Ray, Ed.
 Bull, Floyd Leland, Ag.
 Burger, Francis William, Ch.Eng.
 Burke, John Edward, Me.
 Burnham, Reuben Sylvester, Me.
 Burpee, Howard Lemuel, Ht.
 Butler, Wendell Taylor, Ch.Eng.
 Butterfield, Wilfred Irving, Jr., Zo.

Caldwell, Helen Elizabeth, Ed.
 Carter, Genevieve Elizabeth, He.
 Carter, John Merrill, Fm.
 Carter, Leland Franklin, Ce.
 Chadbourne, Ernest Donald, Fm.
 Chandler, John Everett, Ba.
 Chapman, Frances, Ed.

Chapman, Mary Joan, He.
 Chapman, Mildred Lombard, He.
 Christensen, William Mathias, Jr., Me.
 Chute, Robert Eugene, Me.
 Clark, Alton Willis, Ms.
 Clark, Carl Orison, Ag.
 Clark, William Bradbury, Ee.
 Cleverly, Muriel Beatrice, Hy.
 Conti, Rudolph Francis, Ba.
 Cousins, Florence Evelyn, Eh.
 Cousins, Frederick Harlan, Me.
 Cousins, Howard Levi, Ed.
 Cowin, Mary Alexia, He.
 Cranch, Richard Christopher, Fy.
 Crapo, Arthur Chester, Ee.
 Crocker, Guy Joseph, Ch.Eng.
 Crossland, Lloyd Byron, Ge.
 Crowley, Nathaniel Joseph, Ba.
 Cushman, George Bernard, Dt.
 Cyr, Joseph Wilfrid, Ag.

Dale, Ralph Orlando, Eng.Ps.
 Dalrymple, Robert Anthony, Jr., Ba.

Bethel Commons
Machias Φ H K House
Presque Isle Φ H K House
Lynn, Mass. 112 H. H. Hall
Bangor State Street, Bangor
Saco K Σ House
Orono Bennoch Road
Springvale Σ A E House
Bangor 147 Maple Street, Bangor

Madison Estabrooke Hall, S
Ellsworth Estabrooke Hall, S
Etna Φ M Δ House
Freeport Σ N House
East Baldwin A T Ω House
Winthrop 26 Island Avenue
Greenville Junction

Estabrooke Hall, N
Orono 13 Park Street
Orono 13 Park Street
Auburn A X A House
Norway University Cabin
Kennebunk Φ H K House
Freedom 40 Pond Street
Lewiston Σ A E House
Hull, Mass. Balentine Hall
Arlington, Mass. K Σ House
Old Town Estabrooke Hall, N
East Blue Hill 25 Grove Street
Fort Kent Φ H K House
Orono 8 Elm Street
Norwalk, Conn. Φ K Σ House
Orono 74 North Main Street
Stillwater Stillwater
Mexico University Cabin
Dover-Foxcroft 31 Water Street
Bryant Pond 88 Park Street
Lille 17 Margin Street

Bath Φ Γ Δ House
Newton Highlands, Mass.
 Φ Γ Δ House

Dangler, Edgar William, Wc.	<i>Brooklyn, N. Y.</i> A T Ω House
Davies, Lawrence Webber, Ed.	<i>Bangor</i> 39 Elm Street, Bangor
Davis, Carl Forrest, Ms.	<i>Milo</i> Θ X House
Davis, Carrol Dwight, Ee.	<i>Solon</i> 11 Main Street
Davis, Charles Ralph, Me.	<i>Old Town</i> 11 North Fourth Street, Old Town
Davis, Donald Hasbrouck, Ch.Eng.	<i>Duxbury, Mass.</i> Φ K Σ House
Davis, Erna Eliza, He.	<i>Bucksport</i> Estabrooke Hall, S
Day, McClure, An.	<i>Damariscotta</i> Δ T Δ House
Day, Richard Beston, An.	<i>Damariscotta</i> Δ T Δ House
Deering, Robert Bowman, Ht.	<i>Orono</i> 160 College Avenue
Delano, Ernest Thomas, Ed.	<i>Bucksport</i> 11 High Street, Bangor
Denesuk, Nicholas, Fy.	<i>Peabody, Mass.</i> Σ N House
deRoth, Gerardus Cabble, En.	<i>Montour Falls, N. Y.</i> University Cabin
DeShon, Howard Clifford, Ee.	<i>Machias</i> Φ H K House
Dimitre, Margaret Lorraine, Ba.	<i>Calais</i> Estabrooke Hall, N
Dimmer, John Patrick, Jr., Ce.	<i>Portland</i> K Σ House
Dixon, Elinor Louise, Eh.	<i>Portland</i> Estabrooke Hall, N
Dobrow, Jordan, Ba. & Es.	<i>Brookline, Mass.</i> T E Φ House
Dodge, David Thaxter, An.	<i>Bangor</i> 715 Ohio Street, Bangor
Dole, Arthur Sidney, Jr., Zo.	<i>Bangor</i> R.F.D. #2, Bangor
Dole, Richard Dresser, Me.	<i>Sebago Lake</i> 25 Grove Street
Dorr, Donald Eugene, Wc.	<i>Ridlonville</i> Φ K Σ House
Dow, Clarence Pearl, Fy.	<i>Charleston</i> 208 Elm Street, Bangor
Dow, Leslie Alexander, Ch.Eng.	<i>Stillwater</i> Stillwater
Dow, Levi Sewell, Wc.	<i>Fort Kent</i> Φ H K House
Dowling, Annie Gloria, Ed.	<i>Jacksonville</i> Estabrooke Hall, S
Downes, Laurence Maxwell, Me.	<i>Bangor</i> Φ M Δ House
Duff, Roy Elwood, Ed.	<i>Monticello</i> Park Street
Duncan, Carl Porter, Py.	<i>Presque Isle</i> Φ H K House
Dyer, Robert Hall, Wc.	<i>Turner</i> College Avenue
Dyer, Samuel, Jr., Me.	<i>Framingham, Mass.</i> Λ X A House
Dyer, Wesley James, Ph.	<i>Norway</i> A Γ P House
Ehrenfried, Paul, Es. & Jn.	<i>Lewiston</i> Φ K Σ House
Eldridge, John William, Ch.Eng.	<i>East Orrington</i> 86 Mill Street
Elwell, Robert Arthur, Fm.	<i>Gorham</i> Σ A E House
Emery, Lawrence Woodford, Ba.	<i>East Machias</i> 150 State Street, Bangor
Emmons, Barbara Wentworth, Py.	<i>Worcester, Mass.</i> Estabrooke Hall, S

Farnham, Barbara May, Sy.
 Feinberg, Robert Malcolm, Ba.
 Field, Kenneth Adelbert, Me.
 Fielding, Richard Norman, Ba.
 Fillmore, Karl Alwyn, Py.
 Findlen, Herbert, Ag.
 Fink, John Edward, Wc.
 FitzPatrick, John Dowd, Ba.
 Fortier, Robert Francis, Fa. & Dr.

Foster, Orson Junior, Me.
 Francis, Wallace Robert, Me.
 Franz, Richard Oscar, En.
 Freedman, Stanley Philip, Ch.
 French, John Scates, Eh.
 French, Marjorie Violet, He.
 French, Maynard Gardner, Th.
 French, Robert Joseph, Ba.
 Friday, John Alexander, Fy.

Gabe, Henry, Me.

Gallant, Francis Louis, Me.

Gannon, Henry Francis, Fy.

Gardner, Charles Sherer, Fy.
 Garfinkle, Harold Abner, Zo.
 Gay, Raymond Francis, Jr., Me.
 Geary, Edward Joseph, Fr.
 Gifford, William Edward, Jr., Ms.
 Gilbert, Eugene Clarence, Ce.
 Gilman, Dorothy Janet, He.
 Gilman, Manuel Alan, Ph.
 Ginsburg, Saul, Ge.
 Gleason, Eleanor Lou, He.
 Gleason, Elene May, He.

Glider, Victor, Fy.
 Glover, John White, Jr., Fe.

Bangor Estabrooke Hall, S
Chelsea, Mass. T E Φ House
Brewer 100 State Street, Brewer
Malden, Mass. K Σ House
Chamberlain 95 Mill Street
Fort Fairfield A Γ P House
Brooklyn, N. Y. Σ A E House
Marblehead, Mass. Σ A E House
Old Town

11 South Brunswick Street,
 Old Town

Baring 41 Mill Street
Darien, Conn. Σ A E House
Thornwood, N. Y. Φ K Σ House
Portland 12 Park Street
Pleasantville, N. Y. Δ T Δ House
Winthrop Estabrooke Hall, N
Livermore Falls A X A House
Guilford Σ X House
Schenectady, N. Y. B Θ Π House

Worcester, Mass.

60 Forest Avenue

Bangor

34 East Summer Street, Bangor
New Rochelle, N. Y.

395 College Avenue

Orono B Θ Π House
Mattapan, Mass. T E Φ House
Stony Creek, Conn. A X A House
Lewiston Δ T Δ House
Bangor 240 State Street, Bangor
Winterport Σ A E House
Porter Estabrooke Hall, S
Forest Hills, N. Y. 35 Grove Street
Portland 12 Park Street
South Union Estabrooke Hall, N
Brewer

82 North Main Street, Brewer
Hartford, Conn. 7 Forest Avenue
Orono 265 Main Street

Cross, whose First Aid Certificate will be awarded upon completion of the course. *Two hours a week, two credit hours.*

It is recommended that students enrolling in the above courses should have at least six hours of each of the following subjects: Education, Psychology, Sociology, and Public Speaking.

Goldsmith, Alvin Robbins, Mc.	<i>Orono</i>	Σ A E House
Goodwin, Jean Elizabeth, He.	<i>Caribou</i>	Estabrooke Hall, N
Goulette, Gerard Alphonse, Rl.	<i>Dexter</i>	117 Park Street
Greeley, Virginia Mary, Eh.	<i>Arlington, Mass.</i>	Balentine Hall
Greenwood, David Carroll, Me.	<i>Gardner, Mass.</i>	Σ N House
Greenwood, Jacqueline, Ed.	<i>Farmington</i>	20 Forest Avenue
Griffiee, Donald Gordon, Me.	<i>Orono</i>	19 University Place
Haffner, Rudolph Eric, Zo.	<i>Portland</i>	University Cabin
Hall, Elden David, Jr., Ce.	<i>Farmington</i>	B Θ Π House
Hamilton, Violet Mary-Anne, Sp.	<i>Pittsfield</i>	Estabrooke Hall, S
Haney, Ralph William, Ee.	<i>Bangor</i>	176 Ohio Street, Bangor
Hanscom, Clinton Austin, Ed.	<i>Machias</i>	25 Grove Street
Hanson, Frank Burton, Ed.	<i>Rumford</i>	53 Bennoch Street
Hardy, Malcolm Edward, Fy.	<i>Waban, Mass.</i>	25 Myrtle Street
Harrington, Edgar Bernard, Fm.	<i>Patten</i>	Φ H K House
Haskell, Gwendolyn Estelle, Eh.	<i>Lincoln</i>	The Elms
Hastings, Virginia Kittredge, He.	<i>Bangor</i>	61 Congress Street, Bangor
Hathaway, Florence Adelle, Fr.	<i>Bangor</i>	R.F.D. #7, Hammond Street, Bangor
Healy, Robert Morris, Sy.	<i>Augusta</i>	B Θ Π House
Henderson, Edward Anson, Ce.	<i>Houlton</i>	Σ N House
Henderson, Sherwood William, Me.	<i>Anson</i>	25 Grove Street
Hepburn, William George, Me.	<i>South Portland</i>	Λ X A House
Hersey, Richard Winslow, Es.	<i>Portland</i>	Σ N House
Higgins, Irwin Raymond, Bc.	<i>Mapleton</i>	25 Grove Street
Higgins, Joseph Scott, Ph.	<i>Dennysville</i>	Φ K Σ House
Hill, Rebecca, Py.	<i>Machias</i>	Estabrooke Hall, N
Hiller, Robert Frederick, Fy.	<i>Foxboro, Mass.</i>	25 Myrtle Street
Hines, Marion Ruth, Zo.	<i>Middletown, Conn.</i>	Estabrooke Hall, N
Hodgkins, Earl Littlefield, Ce.	<i>Northeast Harbor</i>	Σ A E House
Hodgkins, Winfield Chester, Jr., Ch.Eng.	<i>Bar Harbor</i>	Θ X House
Hogan, Barbara Bates, Hy. & Gt.	<i>Bath</i>	Estabrooke Hall, N
Holmes, Edna Frances, He.	<i>Limerick</i>	The Elms
Holmes, Robert Goodwin, Ee.	<i>Guilford</i>	Σ X House
Honan, Elizabeth Frances, Ed.	<i>South Portland</i>	Balentine Hall
Hopkins, Harry Saunders, Agr.Eng.	<i>North Brooksville</i>	12 Park Street
Hopkinson, David Bradford, Me.	<i>Portland</i>	Φ M Δ House
Horn, Gilman David, Ba.	<i>Portland</i>	Φ H K House

Horton, James Bartlett, Ch.Eng.	<i>Brewer</i> 317 South Main Street, <i>Brewer</i>
Houghton, John William, Fm.	<i>Fort Fairfield</i> Φ H K House
Houston, John, Eh.	<i>Guilford</i> Σ X House
Howe, Allan Morton, Ce.	<i>Cooper</i> Φ M Δ House
Huey, Homer Sanford, Eh.	<i>Hampden Highlands</i> Hampden Highlands
Hunt, Norman Earl, Fm.	<i>Clinton</i> A Γ P House
Ingalls, James Warren, Wc.	<i>Northfield, Vt.</i> 14 Park Street
Ingraham, Mark Whitmore, Ce.	<i>Rockport</i> College Avenue
Irvine, William Lloyd, Ba.	<i>Framingham, Mass.</i> 102 Oak Hall
Jackson, Stephen Hamilton, Fy.	<i>Union, N. J.</i> 27 Myrtle Street
Johnson, Barbara Elaine, Sy.	<i>Lincolnville</i> Estabrooke Hall, S
Johnson, Donald Keith, Me.	<i>Gardiner</i> University Cabin
Johnson, Herbert Harrison, Fy.	<i>Onawa</i> H. H. Hall
Johnson, Russell Goodwin, Me.	<i>Sanford</i> A T Ω House
Jones, Clarence Wayland, Ee.	<i>Rumford</i> Σ A E House
Jordan, Harold John, Me.	<i>Augusta</i> Φ K Σ House
Judkins, Esther Jean, Ed.	<i>Dixfield</i> 15 Pierce Street
Kaplan, Harold Irving, Me.	<i>Nahant, Mass.</i> 30 Crosby Street
Karst, Doris Edna, Ed.	<i>Ellsworth</i> 5 Forest Avenue
Keene, Walter Stanley, Ed.	<i>Farmington</i> 395 College Avenue
Kelley, Robert Edward, Ee.	<i>Lisbon Falls</i> Φ M Δ House
Kelso, Frederick John, Ch.Eng.	<i>Portland</i> 395 College Avenue
Keniston, Charles Thomas, Eng.Ps.	<i>Bridgton</i> University Cabin
Kenney, James Francis, Zo.	<i>Howland</i> 36 Grove Street
Kierstead, Edward Stevens, Eh. & At.	<i>Bucksport</i> Σ X House
Kilpatrick, Donald Murray, Fm.	<i>Presque Isle</i> 106 H. H. Hall
King, Hazel Thelma, He.	<i>Saco</i> The Elms
King, Jane, He.	<i>Ogunquit</i> Estabrooke Hall, N
King, Phyllis Muriel, Ms.	<i>Harpswell Center</i> Estabrooke Hall, N
Kingsbury, Walton Cameron, Wc.	<i>Boonville, N. Y.</i> Princeton
Koialovitch, Frederick Charles, Me.	<i>Waterville</i> North Hall
Kopelow, Lillian Marion, Ms.	<i>Bangor</i> 196 Harlow Street, Bangor
LaFlamme, Vincent John, Ed.	<i>Great Works</i> Great Works
Lawry, Otis Charles, Me.	<i>Fairfield</i> B Θ Π House

Leavitt, Booth Gilman, Ch.Eng.
 Leavitt, Laurence Gilmore, Ch.Eng.
 Leger, Eugene, Me.
 Levene, Victor Eugene, Ht.
 Lewis, Beulah Theresa, He.
 Libby, Lelia Mountfort, Ed.
 Libby, Marion Jordan, He.
 Libby, Philip Judson, Ce.
 Limberis, George Peter, Es.
 Linnell, Sara Wilder, Eh.
 Littlefield, Waldemar Vickery, Me.
 Lombard, Virginia Rae, Ch.A.
 Long, Lois, He.
 Loring, Charles Brooks, Ch.Eng.
 Loudon, Alexander Duncan, Py.
 Lown, Bernard, Zo.
 Lundgren, Marion Christene, Ms.
 Luther, Radford Weston, Me.

McConnell, Mary Elizabeth, He.
 McEdward, James Angus, Me.
 McGraw, Richard Bernard, Ba.
 McKay, Donald Hill, Me.

McKenney, David Harrison, Ps.
 McLeary, Robert Butler, Jr., Ed.
 MacLeod, Leo Mansell, Py. & Sy.
 MacLeod, Richard, Ed.
 Macomber, Heywood Brown, Jr., Me.
 Mank, Miles Boggs, Gt. & Ba.
 Marriner, Donald Eugene, Ch.Eng.
 Mayo, John Hildreth, Fm.
 Medina, John Warren, Me.
 Mehann, Helen Winifred, He.

Melendy, Pauline Helen, Ed.
 Merrill, Howard Weld, Me.

Merrill, Marguerite Messer, Sy.
 Mertens, Eugene George, Ba.
 Meserve, Philmore Windsor, Fy.

Madison University Cabin
Orono 7 Park Street
Newton Centre, Mass. K Σ House
Chelsea, Mass. 6 Mill Street
Newport Estabrooke Hall, S
Portland Stillwater
Milford Milford
Freedom Δ T Δ House
Bangor 21 First Street, Bangor
Pembroke Balentine Hall
Brewer Φ K Σ House
Meddybemps Balentine Hall
Melrose, Mass. Estabrooke Hall, N
Yarmouth 35 Grove Street
Brownville Brownville
Lewiston 384 College Avenue
New Sweden The Elms
Hartford, Conn. Λ X A House

Portage The Elms
Union 19 First Street, Bangor
Portland Θ X House
Old Town

64 Bradbury Street, Old Town
Jay 36 Middle Street
Farmington Σ A E House
Bangor 21 Middle Street, Bangor
Dark Harbor College Avenue
Needham, Mass. Λ X A House
Augusta B Θ Π House
Rockland 102 H. H. Hall
Cumberland Center Σ X House
Kennebunkport Φ K Σ House
Bangor

29 Harthorn Avenue, Bangor
Wilton The Elms
Old Town

18 High Street, Old Town
Waban, Mass. Estabrooke Hall, N
Yonkers, N. Y. 53 Bennoch Street
Mechanic Falls Φ H K House

Millar, Edward Reid, Me.
 Miniutti, Gloria Mary, Sy.
 Miniutti, Victor Pasquale, Fy.
 Mitchell, Frederick Arthur, Ee.
 Moody, Hope, He.
 Moore, Thomas Fogg, Ba.
 Morgan, Elizabeth Bernice, Ed.

Morris, Sumner David, Pa.
 Morrison, James Linton, Ch.
 Morse, Carroll Edwin, Me.
 Moulton, Margaret, Eh.
 Moulton, Parker Nash, Jr., Gt.
 Mullen, Joseph Norman, Jr., Hy. & Gt.
 Murdock, Henry Thayer, Ee.
 Murphy, George Vincent, Ee.
 Muzroll, Lawrence Joseph, Ms.

Nichols, Clarence Sidney, Ce.
 Nicholson, Evelyn Marian, Sy.

Nye, James Henry, Ed.

Olsen, Einar Arthur, Fy.

Page, Jane Augusta, Py.
 Patterson, Crosby Gardner, Eh.
 Peabody, Ruth Frances, Zo.
 Perry, Alvah Lionel, Fm.

Perry, Barbara Louise, Eh.
 Perry, Frederick Mauran, Ge.
 Phelan, Paul Henry, Jn.
 Philbrook, Nancy Clara, He.

Phillips, Margaret Goldie, He.
 Phillips, Maria Camilla, Ed.
 Phillips, Stanley Gilkey, Jr., Ce.
 Pierce, Martha Elizabeth, Eh.
 Pierce, Philip Nason, Hy. & Jn.

Leonia, N. J. Φ H K House
North Berwick Balentine Hall
North Berwick 23 Bennoch Street
Kingfield University Cabin
Lincoln The Elms
Biddeford Φ K Σ House
Bangor

17 Pleasant View Street, Bangor
Guilford 45 Maple Street, Bangor
Worcester, Mass. Λ X A House
Bath Φ M Δ House
Bangor Estabrooke Hall, N
Warcham, Mass. Σ A E House
Houlton Φ Γ Δ House
Kennebunk Φ H K House
Bar Harbor 312 H. H. Hall
Rumford H. H. Hall

Augusta Λ X A House
South Portland
 Estabrooke Hall, N
Cherryfield
 Farm Boarding House

Gloucester, Mass. K Σ House

Newcastle Estabrooke Hall, N
Bangor 72 Center Street, Bangor
Houlton Estabrooke Hall, S
Sherman Mills

24 North Park Street, Bangor
Houlton Estabrooke Hall, S
Rockland 35 Oak Street
Calais 25 Grove Street
Shelburne, N. H.

 Estabrooke Hall, N
Ellsworth Estabrooke Hall, N
Portland Estabrooke Hall, S
Melrose, Mass. A T Ω House
Guilford The Elms
Gardiner A T Ω House

Pinette, Marie Cecile, Es.	Guilford	20 Forest Avenue
Piper, George Francis, Me.	Biddeford	Λ T Ω House
Pitman, Arnold William, Ht.	Appleton	25 Grove Street
Pitts, Edgar Thurlow, Ms.	Stonington	12 Park Street
Plummer, John Flagg, Ce.	Hampden Highlands	
	Hampden Highlands	
Pollock, Thomas Edwin, Ba.	Somerville, Mass.	H. H. Hall
Potter, Frank Elwood, Dt.	Sabattus	Λ Γ P House
Pratt, Darrell Bradford, By.	Millinocket	Σ X House
Pratt, Muriel Elizabeth, He.	Oxford	Estabrooke Hall, S
Pratt, Winthrop Bowman, Eng.Ps.	Arlington, Mass.	85 Main Street
Pulsifer, Allen Hallet, Es.	Poland	Λ X A House
Putnam, Aaron Hacker, Me.	Houlton	K Σ House
Ramsdell, Gordon Estey, Dh.	Ellsworth	25 Grove Street
Ramsdell, Richard Theodore, Fy.	Lubec	Park Street
Ramsey, Raymond Edward, Me.	Bath	Φ M Δ House
Randall, Warren Batchelder, Jn.	Lewiston	Φ K Σ House
Rankin, Austin Edwin, Eng.Ps.	Camden	College Avenue
Ratzell, Francis Edgar, Pl.	Deer Isle	Bangor Theological
	Seminary Dormitory, Bangor	
Reed, James Alden, Me.	Boothbay	Φ M Δ House
Reed, John Hathaway, Fm.	Fort Fairfield	36 Middle Street
Reitz, John Addison, Ce.	Waltham, Mass.	Σ X House
Richards, Lee Warren, Zo.	Augusta	36 Grove Street
Riese, George Augustus, Me.	Arlington, Mass.	K Σ House
Ripanti, Nello Frank, Ch.Eng.	Hopedale, Mass.	Stillwater
Roben, George Douglass, Ch.Eng.	Houlton	K Σ House
Roberts, James Herbert, Ba.	Belfast	Δ T Δ House
Robertson, Edward Norris, Ce.	Bethel	A T Ω House
Robinson, Preston Earl, Ce.	Bangor	
	99 Webster Avenue, Bangor	
Rodman, Arlene Ruth, Fr.	Bangor	Estabrooke Hall, S
Rollins, Ann, Fr.	Ellsworth	Estabrooke Hall, S
Rome, Bernard Phillip, Hy. & Gt.	Brookline, Mass.	T E Φ House
Ross, Donald Phillip, Ce.	Orono	56 Park Street
Ross, Rita Evelyn, Sy.	Portland	Estabrooke Hall, N
Rourke, Alice Virginia, Eh.	Winthrop	Estabrooke Hall, S
Ruddock, Edward Francis, Me.	Kittery	Men's Infirmary
Rushworth, Cornell Cameron, Ch.Eng.	Madison	University Cabin
Russell, James Louis, Zo.	Bangor	193 Warren Street, Bangor
Ryan, Patricia Margaret, Py.	Bangor	82 Cedar Street, Bangor

Savage, Barbara, Th. & Eh.
 Scammon, Elizabeth Rogers, He.
 Schaible, William John, Ch.Eng.

Schertzer, Edward Abraham, Es.
 Schillig, Nancy Magdalene, He.
 Schmidt, Francis Victor, Wc.
 Seabury, Edwin Morey, Eng.Ps.
 Sewall, Calvin Brackett, Es.
 Sharp, Kenneth Leroy, Ed.
 Sinclair, Richard Montague, Pa.
 Sleeper, Thomas Till, Me.
 Slocum, George Chisholm, Dt.
 Small, Parker William, Fm.
 Small, Robert Edward, Ee.
 Smith, Elmer Vincent, Me.
 Smith, George Henry, Me.
 Smith, James Fredrick, Ce.
 Smith, James John, Fy.
 Snell, Henry Ambrose, Ht.
 Spaulding, Kathleen Davis, Ed.
 Spear, Harlan Sylvester, Wc.
 Spear, Jasper Adriel, Hy.
 Spencer, Beverly Wellington, Gt.
 Springer, Ralph Robertson, Ed.
 Starbird, Myron Ellwood, Ed.
 Stewart, Loren Francis, Ch.Eng.
 Stone, Beth Ward, Fr.
 Stone, Lois Louisa, Sy.
 Stone, Theodore Miles, Ht.
 Striar, David Phillip, Me.
 Susi, Roosevelt Theodore, Es. & Ba.
 Suslavich, John Joseph, Me.
 Syphers, Ansel James, Ed.

Tackaberry, Robert Bernard, Eng.Ps.

Talbot, William Burrall, Es.
 Tanner, Edward Russell, Es. & Gt.
 Taylor, Charles John, Ba.

Bangor Estabrooke Hall, N
Orono 86 North Main Street
East Northport, Θ X House
L. I., N. Y.

Cambridge, Mass. 6 Mill Street

Bangor 1 Whitney Street, Bangor

Paterson, N. J. Σ X House

Orono 25 Myrtle Street

Wilton 395 College Avenue

Houlton Park Street

Holyoke, Mass. Σ X House

Swampscott, Mass. A X A House

Worcester, Mass. Φ H K House

South Portland Φ M Δ House

York Village Σ X House

Newport Σ X House

Waltham, Mass. K Σ House

Richmond, Va. Σ N House

South Portland 7 Summer Street

Gorham A Γ P House

Caribou 3 Riverdale

Warren, Mass. 14 Middle Street

Warren 14 Middle Street

Great Works Great Works

North Sullivan 66 Park Street

Farmington 53 Bennoch Street

Gainesville, Fla. 302 H. H. Hall

Detroit Estabrooke Hall, S

Clinton, Mass Estabrooke Hall, N

Milford Milford

Bangor 14 Adams Street, Bangor

Pittsfield A T Ω House

Liberty Φ Γ Δ House

Mars Hill 33 Bennoch Street

Old Town

28 Davis Street, Old Town

East Machias K Σ House

Jenkintown, Pa. Σ X House

Bangor

15 McKinley Street, Bangor

Taylor, Mark Albert, Me.	<i>Newport</i>	35 Grove Street
Teague, Ella Elizabeth, He.	<i>Turner</i>	Estabrooke Hall, S
Theriault, Mary Robertine, He.	<i>Old Town</i>	
		197 Center Street, Old Town
Thomas, Elizabeth Bernice, Sh.	<i>Houlton</i>	Estabrooke Hall, S
Thomas, Raymond Perle, Me.	<i>Old Town</i>	
		249 Center Street, Old Town
Thompson, Barbara Millicent, Eh.	<i>Brownfield</i>	Estabrooke Hall, S
Thompson, Keith Marston, Fm.	<i>Limestone</i>	106 Oak Hall
Thorndike, Clara Helen, He.	<i>Bridgton</i>	Estabrooke Hall, N
Thorne, Cherrie Madeline, He.	<i>St. Albans</i>	Estabrooke Hall, N
Thorne, John Edward, Ms.	<i>Island Falls</i>	Θ X House
Thornton, Seth Winfield, Ba.	<i>Belfast</i>	85 Main Street
Thurlow, Priscilla Emery, He.	<i>Buckfield</i>	Estabrooke Hall, N
Towne, Ruth Anna, Zo.	<i>East Dover</i>	The Elms
Tracy, John Paul, Ba.	<i>Lexington, Mass.</i>	Δ T Δ House
Truland, Forest Wilson, Ed.	<i>South Portland</i>	33 Bennoch Street
VanHoesen, Ellis Rugg, Gt. & Hy.	<i>McKownville, N. Y.</i>	Δ T Δ House
Vickery, Charles Nelson, Hy.	<i>Pittsfield</i>	14 Middle Street
Walker, Alexander, Jr., Fy.	<i>Rochester, N. Y.</i>	K Σ House
Ward, Alice McMullen, Sy.	<i>Old Town</i>	
		241 South Main Street, Old Town
Ward, Eleanor Louise, Eh.	<i>Arlington Heights, Mass.</i>	
		Estabrooke Hall, N
Warren, Dorothy Lois, Al. & Hy.	<i>Lubec</i>	Estabrooke Hall, N
Warren, Harold Ernest, Ch.Eng.	<i>Lisbon Falls</i>	Φ K Σ House
Washburn, Robert Rider, Fm.	<i>Monmouth</i>	26 Island Avenue
Waterman, George Walter, Me.	<i>New Gloucester</i>	Λ X Λ House
Watson, John Thaxter, Ps.	<i>Bangor</i>	104 Poplar Street, Bangor
Webber, George Franklin, Me.	<i>Pittsfield</i>	14 Middle Street
Webster, Arlene Janet, He.	<i>Auburndale, Mass.</i>	
		Estabrooke Hall, N
Welch, Charles Franklin, Me.	<i>Pittsfield</i>	85 Main Street
Wellcome, Frank Lindsay, Jr., Eng.Ps.	<i>Cumberland Mills</i>	K Σ House
Wenckus, Joseph Anthony, Ed.	<i>Rumford</i>	395 College Avenue
Weston, Donald Edward, Ee.	<i>Portland</i>	Φ K Σ House
Weston, Virginia, Fr.	<i>Dover-Foxcroft</i>	
		Estabrooke Hall, N

Weymouth, Helen Moore, He.	<i>Dexter</i>	Estabrooke Hall, N
White, Mary Louise, He.	<i>Orono</i>	48 Forest Avenue
White, Roger Edward, Eng.Ps.	<i>South Portland</i>	1 Bowdoin Avenue, Great Works
Whited, Harris Goodwin, Ag.	<i>Bridgewater</i>	Φ II K House
Whitney, Richard Walker, Zo.	<i>Marblehead, Mass.</i>	Σ A E House
Wiedmer, Jack Bernard, Me.	<i>Glen Head, L. I., N. Y.</i>	Θ X House
Wight, Kent Mansfield, By.	<i>Madison</i>	University Cabin
Willetts, Fred Morgan, Dt.	<i>Orono</i>	Main Road
Willey, Baxter Leone, Ch.Eng.	<i>Old Town</i>	241 Center Street, Old Town
Wilson, Raymond Edwin, Ch.Eng.	<i>Madison</i>	Σ A E House
Wing, Morris Reynolds, Fy.	<i>Bingham</i>	7 Forest Avenue
Winslow, Paul Lee, Ce.	<i>Norridgewock</i>	384 College Avenue
Winters, Gordon Henry, Ce.	<i>Waterville</i>	K Σ House
Wood, Edward Henry, Fy.	<i>Berwick</i>	Σ A E House
Woodbury, Ralph Eugene, Ch.Eng.	<i>Portland</i>	Σ X House
Woodward, Homer Clay, Fm.	<i>Newport</i>	A T Ω House
Woodward, Janice Dean, He.	<i>Auburn</i>	The Elms
Worster, Arthur Roscoe, Me.	<i>Madison</i>	University Cabin
Young, Mary Alice, Eh.	<i>Winterport</i>	Estabrooke Hall, N

JUNIORS

Abbott, Herschel George, Fy.	<i>Bryant Pond</i>	Farm Boarding House
Adams, Charles Boswell, Me.	<i>Kittery</i>	Φ M Δ House
Adams, George Franklin, Fm.	<i>West Sumner</i>	A T Ω House
Adler, Joseph, Jr., Ba.	<i>Sanford</i>	Σ N House
Aho, Bruno Elmer, Ph.	<i>Warren</i>	Kell Street
Albair, Bernard Edgar, Ch.Eng.	<i>Caribou</i>	Δ T Δ House
Albert, Dorothy Elizabeth, He.	<i>Bangor</i>	96 Garland Street, Bangor
Alden, Rachel, Eh.	<i>Dover-Foxcroft</i>	The Elms
Allen, Charles Donald, Ba.	<i>New Rochelle, N Y.</i>	Φ Γ Δ House
Ambrose, James Richard, Eng.Ps.	<i>Bangor</i>	64 Earle Avenue, Bangor
Anderson, Wesley Daniel, Me.	<i>Mars Hill</i>	112 Oak Hall
Austin, Franklin James, Me.	<i>Farmington</i>	College Avenue
Austin, John Maynard, Ce.	<i>Bethel</i>	Φ M Δ House

Bacon, Otis Zalmon, Me.	<i>Oakland</i>	25 Grove Street
Bagley, Edward Forrest, Ph.	<i>Albion</i>	25 Grove Street
Bartley, Charles Everett, Eng.Ps.	<i>Greenville</i>	Φ K Σ House
Bates, James Henry, Ed.	<i>Turner</i>	Park Street
Beal, Edgar Brown, Ed.	<i>Jonesport</i>	24 Pierce Street
Bean, Barbara, He.	<i>Newport</i>	Estabrooke Hall, S
Bearce, Elizabeth Talbot, He.	<i>Bucksport</i>	Estabrooke Hall, N
Bearce, George Donham, Gt.	<i>Bucksport</i>	B Θ II House
Beedy, Robert Harlan, Ht.	<i>Turner</i>	32 Pierce Street
Bell, Dorothy Eddith, He.	<i>Orono</i>	188 Main Street
Bell, Ellis Irving, An.	<i>Dennysville</i>	Park Street
Beverage, Arthur Walter, Jr., Ce.	<i>North Haven</i>	Σ N House
Bickford, Warren Herbert, Ch.Eng.	<i>Ogunquit</i>	60 Park Street
Birch, Clifford Wadsworth, Jr., Me.	<i>Arlington, Mass.</i>	K Σ House
Bittner, Kurt Heino Felix, Wc.	<i>Saylesville, R. I.</i>	380 College Avenue
Blake, Clayton Purington, Me.	<i>Portland</i>	A T Ω House
Boss, Millard Otis, Me.	<i>Dover-Foxcroft</i>	Λ X A House
Bowden, Murray Chandler, Eu.Hy.	<i>South Penobscot</i>	32 Pierce Street
Brackett, Carlton Maurice, Fm.	<i>Newport</i>	University Cabin
Bradstreet, Cecil Robert, An.	<i>Albion</i>	25 Grove Street
Brady, Walter Hugh, Eng.Ps.	<i>Dorchester, Mass.</i>	51 North Main Street
Bragdon, Richard Alton, Zo.	<i>Cumberland Mills</i>	308 H. H. Hall
Brawn, Beverly Anne, Zo.	<i>Brunswick</i>	Balentine Hall
Brawn, Erma Louise, Hy.	<i>South Lincoln</i>	5 Forest Avenue
Bridges, Jennie Mae, Rl.	<i>Calais</i>	Estabrooke Hall, N
Brocato, Walter Anthony, Ed.	<i>Lawrence, Mass.</i>	Φ II K House
Brown, Donald Vaughn, Ch.Eng.	<i>Fairfield</i>	Σ N House
Brown, Francis Almon, Pa.	<i>Woodland</i>	24 Oak Street
Brunk, Richard Moulton, Dh.	<i>Limington</i>	25 Grove Street
Bryan, Donald French, Ba.	<i>Orono</i>	4 University Place
Bryant, Phyllis Maude, Rl.	<i>Madison</i>	Balentine Hall
Bubar, Treston Owen, Ag.	<i>Monticello</i>	Park Street
Burgess, Hollis Tolman, Ph.	<i>Vinalhaven</i>	Park Street
Burnell, Grace Evelyn, Eh.	<i>Cumberland Center</i>	65 College Avenue
Burnham, Waldo Harding, Ee.	<i>East Edgecomb</i>	Φ Γ Δ House
Caldwell, David Story, Jr., Fy.	<i>South Byfield, Mass.</i>	College Avenue
Carlson, Arthur Fletcher, Ee.	<i>Rockland</i>	Θ X House

Carlson, Gilbert Mason, Fy.	<i>Milton, Mass.</i>	Φ K Σ House
Cassidy, Rita Marie, Eh.	<i>Bangor</i>	363 State Street, Bangor
Chadwick, John Harold, Ht.	<i>Houlton</i>	Φ M Δ House
Chadwick, Lewis Peter, Th.	<i>Brewer</i>	14 Kell Street
Chandler, Sidney Hobart, Me.	<i>Caribou</i>	Σ N House
Chapman, Mary Louise, He.	<i>Portland</i>	Estabrooke Hall, S
Chapman, Robert Loveitt, Eng.Ps.	<i>Portland</i>	Θ X House
Church, Margaret Elizabeth, He.	<i>Gardiner</i>	Estabrooke Hall, S
Chute, Philip Conrad, Wc.	<i>Naples</i>	Σ X House
Cilley, Martha Irene, Jn.	<i>Belfast</i>	The Elms
Clark, Virginia Dawn, Py.	<i>Orono</i>	10 Mill Street
Claverie, Sumner Abbott, Dh.	<i>West Roxbury, Mass.</i>	
		212 H. H. Hall
Clements, Basil Charles, Ph.	<i>Winterport</i>	Park Street
Clifford, Frank Atwood, Me.	<i>Dexter</i>	Stillwater
Clifford, George Edwin, Me.	<i>Boothbay Harbor</i>	Θ X House
Clifford, Thomas Lane, Ph.	<i>South Paris</i>	Φ M Δ House
Coffin, Mina Alicia, Jn.	<i>Bangor</i>	Estabrooke Hall, S
Coffin, Richard Hale, Ee.	<i>Bangor</i>	25 West Street, Bangor
Cole, Barbara, Sy.	<i>Bryant Pond</i>	Balentine Hall
Cole, Harold Leon, Ee.	<i>Saco</i>	14 Kell Street
Cole, Winona Adelaide, He.	<i>Bangor</i>	
		4 North Park Street, Bangor
Collins, Richard Wesley, Ch.Eng.	<i>Farmington</i>	Φ M Δ House
Conant, Calvin Benjamin, Jr., Ba.	<i>Auburn</i>	Δ T Δ House
Conant, Virginia, Fr.	<i>Monroe</i>	Estabrooke Hall, S
Cook, Wendell Hammond, An.	<i>Phillips</i>	A Γ P House
Coons, Melvin Hubert, Pa.	<i>Woodland</i>	24 Oak Street
Cope, Harry, Ch.Eng.	<i>Portland</i>	
		242 Hancock Street, Bangor
Corliss, Ray Edward, Ag.	<i>Sherman Mills</i>	36 Grove Street
Cram, Chester David, Jr., Gt.	<i>Sanford</i>	Φ H K House
Crane, Daryl Scott, Ed.	<i>Whiting</i>	Σ X House
Crane, Talbot Harlow, Es.	<i>Orono</i>	K Σ House
Crosby, Howard Alvah, Ee.	<i>Bangor</i>	321 Ohio Street, Bangor
Crossland, Carlton Elmore, Ba.	<i>Orono</i>	5 Riverdale
Crossman, Mary Margaret, Eh.	<i>Dover-Foxcroft</i>	
		Estabrooke Hall, S
Crowell, Elinor, Zo.	<i>South Portland</i>	
		Estabrooke Hall, N
Cullinan, John Pircel, Hy. & Gt.	<i>Norway</i>	Φ H K House

GRADUATE STUDY

GENERAL INFORMATION

Administration.—Graduate work is administered by the Faculty and Dean of Graduate Study. The details of administration are in the hands of an executive committee consisting of the Dean, two members from the Agricultural Experiment Station, two from each of the three colleges—Agriculture, Arts and Sciences, and Technology—and two from the School of Education.

Admission.—Students who hold a bachelor's degree from the University of Maine, or from an institution granting a fully equivalent degree, and who desire to pursue advanced studies, are admitted as graduate students and are under the direction of the Faculty of Graduate Study, whether they are candidates for a degree or not.

Registration.—At the beginning of each semester all graduate students, whether candidates for a degree or not, are required to register with the head of the department in which they propose to do their major work, obtain the approval of the Dean, and complete their registration by filing their program of study at the Registrar's office. A fee of two dollars is charged for registration after two weeks have elapsed.

Tuition and Fees.—The tuition charges for graduate students are the same as for undergraduates.

Candidates for professional degrees are required to pay a fee of \$5.00 at the time of registration, and a fee of \$10.00 upon the presentation of the thesis.

The Coe Research Fund.—The Trustees of the University set aside the sum of \$100,000 to form a permanent fund, the proceeds of which are used for carrying on various kinds of research work within the University. Applications for grants from this fund should be addressed to Professor C. A. Dickinson, Chairman, or Professor E. R. Hitchner, Secretary. It is hoped that this fund may later be increased by grants from other sources.

Degrees.—The degrees of Master of Arts, Master of Science, and Master of Education are granted to candidates who hold suitable bachelor's degrees and fulfill the requirement of residence and scholarship.

Cunningham, Dana Roy, Me.	<i>Old Town</i>
Cushman, Cedric Russell, Ch.Eng.	36 Veazie Street, Old Town <i>Portland</i> 4 Summer Street
Danforth, Phyllis Louise, He.	<i>Ellsworth</i> Estabrooke Hall, S
Darling, Chester Allen, Ee.	<i>Orleans, Mass.</i> University Cabin
Davis, Grant Freethy, Ch.Eng.	<i>Rockland</i> Φ K Σ House
Davis, Hazel Eleanor, He.	<i>Old Orchard Beach</i>
Dean, Buel David, Me.	Estabrooke Hall, S
Deering, Helen Marion, He.	<i>Pittsfield, Mass.</i> Φ Γ Δ House
Deeter, Edmund Mather, Jr., Ba.	<i>Orono</i> Balentine Hall
Deixel, Royal Jacob, Ba.	<i>Camp Hill, Pa.</i> 148 College Avenue
Detwyler, Richard Elroy, Bt. & En.	<i>Portland</i> T E Φ House
Devereux, Mark Chandler, An.	<i>Yonkers, N. Y.</i> 38 Grove Street
Dexter, George Nathan, Ce.	<i>North Castine</i> 45 Peters Street
Dickerson, John Garland, Ch.Eng.	<i>Dorchester, Mass.</i> 33 Pond Street
Dixon, Doris Helen, He.	<i>Biddeford</i> A T Ω House
Dodge, Robert Thompson, Me.	<i>Portland</i> Balentine Hall
Dodge, William Louis, Ch.Eng.	<i>Bangor</i> 715 Ohio Street, Bangor
Donahue, Merrill Lancy, Ch.	<i>Bangor</i> 12 George Street, Bangor
Donovan, Frances Marie, Py.	<i>Belfast</i> K Σ Houe
Dorman, Marion Rose, Eh.	<i>Houlton</i> Estabrooke Hall, S
Dorr, Lawrence Leroy, Dh.	<i>Ashland</i> Estabrooke Hall, N
Dow, William MacAdam, Ba.	<i>Harrington</i> 25 Grove Street
Drew, Frances, Ms.	<i>Portland</i> 7 Park Street
Duckworth, Edward George, Gl.	<i>Sedgwick</i> Estabrooke Hall, S
Dudley, Willa Arlene, He.	<i>North Attleboro, Mass.</i>
Dunn, Charles Eldridge, Dh.	33 Bennoch Street
Dyer, Helen Hall, He.	<i>Mapleton</i> Balentine Hall
Easton, Thomas William, Eh.	<i>Wallingford, Conn.</i> Θ X House
Ebbett, Dean Wendell, Ag.	<i>Kittery</i> 87 Main Street
Edelstein, Albert Nathaniel, Ph.	<i>Bridgton</i> 50 Pine Street
Ellis, Lewis Kenneth, Fy.	<i>Presque Isle</i> Greenhouse
Ellis, William Nice, Eng.Ps.	<i>Sanford</i> 6 Mill Street
Elsemore, Vernon Cyril, Hy. & Gt.	<i>Brewer</i>
Emerson, Frank Levi, Eng.Ps.	55 Chamberlain Street, Brewer
	<i>Rangeley</i> Σ A E House
	<i>Grand Lake Stream</i>
	80 North Main Street
	<i>Hampden</i> Hampden

Emerson, Harold LaForest, Ed.	<i>Island Falls</i>	24 Oak Street
Emery, Lewis Gardner, Me.	<i>Westbrook</i>	Φ II K House
Enman, John Aubrey, Jr., Gy. & Gl.	<i>York Beach</i>	Σ N House
Erikson, Gordon Iver, Es.	<i>Worcester, Mass.</i>	B Θ II House
Estabrook, Leo Harding, Fm.	<i>East Corinth</i>	25 Grove Street
Etzel, Bernard Adam, Ht.	<i>Freeport</i>	Greenhouse
Etzel, Edward Frederick, Fy.	<i>East Haven, Conn.</i>	A T Ω House
Everett, John Stephen, Jr., Gt.	<i>Hallowell</i>	46 College Avenue
Fagerlund, Eino Waino, Me.	<i>Quincy, Mass.</i>	Φ M Δ House
Fenderson, Albion William, Es. & Gt.	<i>Sanford</i>	25 Grove Street
Files, Harry Walker, Ba.	<i>Portland</i>	A T Ω House
Finch, John Roger, Ht.	<i>Newark, N. Y.</i>	Φ Γ Δ House
Fish, Warren Hamlin, Ba.	<i>Bangor</i>	Σ A E House
Flanagan, Joseph Francis, Ch.Eng.	<i>Bangor</i>	207 Maple Street, Bangor
Flanders, Freda Natalie, Eh.	<i>Bangor</i>	Estabrooke Hall, S
Fogler, Henry Harrison, Ch.Eng.	<i>Hastings-on-Hudson,</i>	
	<i>N. Y.</i>	Σ X House
Ford, Patrick Michael, Jn.	<i>Hollywood, Calif.</i>	Σ X House
Foss, Virginia Evelyn, He.	<i>Hampden</i>	Hampden
Foss, Warren Lincoln, Eng.Ps.	<i>Farmington</i>	College Avenue
Foster, Carolyn Louise, He.	<i>Coopers Mills</i>	2 University Place
Frost, Stanley Wilford, Fy.	<i>Norway</i>	Φ M Δ House
Furbish, Harriett Emery, Eh.	<i>South Berwick</i>	Balentine Hall
Gaulin, Rodolphe Alexis, Zo.	<i>Biddeford</i>	117 Park Street
Geneva, Maurice Louis, Ch.Eng.	<i>South Portland</i>	University Cabin
Gifford, Charlotte Mae, Ms.	<i>Bangor</i>	240 State Street, Bangor
Gill, Raymond Lewis, Fm.	<i>Frankfort</i>	Frankfort
Gilman, Clarence Reginald, Fy.	<i>Portland</i>	7 Forest Avenue
Gilman, Stanley Francis, Me.	<i>Portland</i>	Σ A E House
Girdwood, James, Ba.	<i>Hancock</i>	Φ Γ Δ House
Given, Jane Louisa, He.	<i>Bowdoinham</i>	Estabrooke Hall, N
Godson, Lindley William, Fy.	<i>Long Island</i>	395 College Avenue
Goldstone, Helen Charlotte, Py.	<i>Presque Isle</i>	Estabrooke Hall, S
Gooch, Earle Eastman, Hy.	<i>Hulls Cove</i>	81 Main Street
Goodchild, James Carleton, Zo.	<i>Saco</i>	Φ K Σ House
Gooding, Ernest Alfred, Jr., Sy.	<i>Bangor</i>	87 Somerset Street, Bangor
Gooding, William Thaxter, Jr., Ch.Eng.	<i>Portland</i>	Σ X House
Goos, Celia, He.	<i>Bangor</i>	94 Court Street, Bangor
Gould, Rebecca Marjorie, He.	<i>Milo</i>	Estabrooke Hall, S

Grady, Mary Elizabeth, He.
 Graffam, Donald Campbell, Py.
 Grindle, Louise Helen, Eh.
 Grover, Keith Leslie, Fy.

Hadlock, William Kenneth, Me.
 Hague, Allan Perley, An.
 Hale, Titus Stuart, Fm.
 Hamblen, Edward George, Fy.
 Hamm, Phillip Lord, Ed.
 Hancock, Owen Linwood, Fy.
 Hanson, Joseph Herbert, Zo.
 Hardie, Alexander, Jr., Ht.

Harding, David Ray, Ms.
 Harding, William Roy, Me.
 Hardy, Priscilla Lois, Ed.
 Harlow, Richard Fessenden, Fm.

Harper, Donald Clarence, Fy.
 Harrison, Robert Edward, Ee.
 Hartley, Ralph Robertson, Ag.
 Hauck, Helen Margaret, Ed.
 Hay, Robert Bernard, Me.
 Heaton, Sara Margaret, Eh.
 Hempstead, David Geer, Me.
 Hempstead, Mary VanNess, He.
 Henry, Iva Virginia, Eh.
 Herbolzheimer, Fred, Jr., Pa.
 Herzberg, Gerard Alexander, An.
 Hine, Ernest James, Me.
 Hodgkins, Dorothy Leona, He.

Holden, Frank Charles, Me.
 Holter, John Latimer, Ge.
 Horeyseck, Paul Weidig, Ch.Eng.
 Hoyt, Louise Beryl, He.
 Hubbard, Robert Newton, Me.
 Hunt, John Herbert, Wc.
 Hurd, Lester Merrill, Ee.
 Hussey, Eugene Rosswell, An.
 Hutchinson, Lewis, Dh.

Eastport Estabrooke Hall, N
Bangor 120 Forest Avenue, Bangor
Mount Desert Balentine Hall
East Stoncham 88 Park Street

Quincy, Mass. Φ Γ Δ House
Gorham Farm Boarding House
Portland, Conn. Φ K Σ House
Winthrop Α Γ Ρ House
Charleston 25 Grove Street
Casco Φ Μ Δ House
Millinocket 164 College Avenue
Ben Avon Heights, Pa.

22 University Place
Bernard K Σ House
Bernard K Σ House
Bangor 164 Forest Avenue, Bangor
Hyde Park, Mass.

Farm Boarding House
Rochester, N. Y. Φ Γ Δ House
Waterville Φ Η K House
Bridgewater Φ Η K House
St. Paul, Minn. Campus
Portland 36 Grove Street
Portland The Elms
Bucksport Θ X House
Bucksport Estabrooke Hall, N
Thomaston Balentine Hall
Wakefield, Mass. Σ X House
East Holden East Holden
Palmer, Mass. Σ Α Ε House
Northeast Harbor

Estabrooke Hall, N
Millinocket Σ Ν House
Chattanooga, Tenn. 402 H. H. Hall
Rockland K Σ House
Fort Fairfield Estabrooke Hall, N
Pittsfield Α Τ Ω House
Fairfield 14 Kell Street
Biddeford Θ X House
Kesar Falls Φ Μ Δ House
Cumberland Mills Θ X House

Ingalls, Everett Palmer, Jr., Ch.Eng.	<i>Westbrook</i>	B Θ Π House
Ingalls, Robert Dale, Ch.Eng.	<i>Bar Harbor</i>	Σ A E House
Inman, Charles Priestley, Es.	<i>Orono</i>	40 Middle Street
Innes, Donald Winslow, Ce.	<i>South Portland</i>	Δ T Δ House
Ireland, Winston Bruce, Ag.	<i>Fort Fairfield</i>	B Θ Π House
Jacobsen, Lyman William, Ht.	<i>Bar Harbor</i>	B Θ Π House
Jalbert, Armand Wilfred, Ce.	<i>Spencer, Mass.</i>	148 College Avenue
Jameson, William Sherman, Ph.	<i>Waldoboro</i>	Φ K Σ House
Jardine, Donald Ross, Ch.	<i>Madison</i>	Θ X House
Jenkins, Robert Dunlap, Ch.Eng.	<i>Orono</i>	Σ X House
Jensen, Helena Marie, He.	<i>Scarboro</i>	Balentine Hall
Johnson, Eleanor Marilyn, He.	<i>Sanford</i>	Estabrooke Hall, N
Johnson, Justin Oley, Jr., Me.	<i>Waterville</i>	86 Mill Street
Johnson, Philip Edward, Me.	<i>Spencer, Mass.</i>	Λ X A House
Johnson, Ralph Adolph, Jr., Me.	<i>Lowell, Mass.</i>	A T Ω House
Johnston, Rita Ellen, He.	<i>Bangor</i>	Estabrooke Hall, S
Jones, Richard Frye, An.	<i>Unity</i>	A Γ P House
Kaelin, Robert Werner, Wc.	<i>Palisade, N. J.</i>	Stillwater
Kay, Kenneth Joseph, Me.	<i>Bridgeport, Conn.</i>	Φ H K House
Keast, George Stanley, Hy.	<i>Eastport</i>	288 Union Street, Bangor
Keene, Philip Earl, An.	<i>Appleton</i>	25 Grove Street
Keiter, Irving Jules, Ba.	<i>Chelsea, Mass.</i>	T E Φ House
Kelley, Asenith Harriette, Zo.	<i>Waterville</i>	Balentine Hall
Kelley, John Douglas, Ba.	<i>South Portland</i>	Φ K Σ House
Keniston, Robert Fiske, Me.	<i>West Paris</i>	Λ X A House
Kennedy, Richard Edward, Fm.	<i>Monmouth</i>	University Cabin
King, Constance MacGregor, Sp.	<i>Bangor</i>	Estabrooke Hall, S
Klucken, Ralph Anthony, Me.	<i>East Stoncham</i>	33 Bennoch Street
Knight, Betty Lorraine, He.	<i>Unity</i>	The Elms
Knowles, Elmer Richard, Ed.	<i>Wilton</i>	B Θ Π House
Knowlton, David Hale, Eng.Ps.	<i>Rockport, Mass.</i>	Δ T Δ House
Kus, Stanley Joseph, Ed.	<i>Winthrop</i>	College Avenue
Ladner, LeRoy Alexander, Jr., Ba.	<i>Bangor</i>	
Lamoreau, Henry Edwin, Ed.		107 Mt. Hope Avenue, Bangor
Langdon, Elinor Frances, He.	<i>Bowdoinham</i>	25 Grove Street
Langley, Earl Berfield, Ag.	<i>Kittery</i>	Estabrooke Hall, N
Larsen, Johan Selmer, Jr., Me.	<i>Mars Hill</i>	Men's Infirmary
	<i>Marblehead, Mass.</i>	Λ X A House

Leadbeater, Barbara Vesta, Zo.

LeClerc, Germaine Fernande, Ed.
 Leonard, Catherine Bainbridge, He.
 Leonard, Frederic Adams, By.
 Leonard, Henry Grant, Jr., Fy.
 Lewis, Horace Worster, Fy.
 Libby, Donald William, Pa.
 Lindsay, William Alexander, Ps.
 Littlefield, Cecile Esther, Eh.
 Long, Fletcher Jackson, Ht.
 Lord, Jay Merrill, Me.
 Loring, Priscilla, Eh.
 Lorusso, Louis Paul, Gt. & Es.

Lovely, Mary Alice, Fr.

Lowell, Jeanne Frances, Py.
 Lycette, Robert Charles, Me.

McCarthy, Marcia Merrow, Ba.
 McCarthy, Mary Eleanor, Ba.
 McCloskey, Hugh Francis, Ba.
 McGlauffin, Ernest Thurston, Fm.
 McKay, Ruth, Zo.

McKeen, Richard Douglas, Me.
 MacKenzie, Victoria Evelyn, He.
 McLaughlin, Wayne Thurlow, Ce.
 MacLeod, Dorothy Elizabeth, Rl.
 Mack, Jean C., Eh.
 Maker, Irwin Wyman, Fy.
 Marden, Wilbur James, Fy.
 Martinez, Richard Edward, Ba.
 Maxim, George Edward, Ed.
 Merchant, James Eldredge Greene, Es.
 Mongovan, Harold Eaton, Ch.
 Moody, Dwight Campbell, Fm.
 Moran, Dorothy Barbara, Eh.
 Morey, Robert Lester, Jr., Me.

North Whitefield

Estabrooke Hall, S
Lewiston Balentine Hall
Westfield, N. J. Balentine Hall
Bangor 20 Norfolk Street, Bangor
Westfield, N. J. Φ M Δ House
Bangor Finson Road, Bangor
Orono 52 North Main Street
Arlington, Mass. Λ X A House
Falmouth Foreside Balentine Hall
South Portland Λ X A House
Kezar Falls Φ M Δ House
Freeport The Elms
East Walpole, Mass.

4 Myrtle Street
Old Town

30 North Fourth Street,
 Old Town
Portland Balentine Hall
Oakmont, Pa. Φ K Σ House

Waterville Estabrooke Hall, N
Bangor 256 Birch Street, Bangor
Bangor 32 Second Street, Bangor
Presque Isle 26 Island Avenue
Old Town 64 Bradbury Street,
 Old Town

Bangor 16 Garland Street, Bangor
East Millinocket Balentine Hall
Medway 88 Park Street
Bar Harbor Estabrooke Hall, N
Bangor Estabrooke Hall, S
Mattawamkeag Park Street
Monroe 25 Grove Street
Albany, N. Y. 81 Main Street
Monmouth Park Street
Newtonville, Mass Σ X House
Bangor Δ T Δ House
Lincoln Farm Boarding House
Portland Balentine Hall
Swampscott, Mass. Λ X A House

Morneault, Camille Etien, Ag.	<i>Lille</i> 98 Veazie Street, Old Town
Morrison, Charlotte Allen, He.	<i>Bar Harbor</i> Estabrooke Hall, S
Morse, Carlton Lorin, Jr., Me.	<i>Wellesley Hills, Mass.</i>
	Φ H K House
Morse, Jean Annette, L.A. & N.	<i>Bangor</i> 101 Royal Road, Bangor
Moscone, Margaret Tina, He.	<i>East Millinocket</i>
	Estabrooke Hall, N
Mosher, Norman William, Arts	<i>Belfast</i> Δ T Δ House
Moulton, Arthur Bertram, Ee.	<i>York Village</i> 60 Park Street
Moulton, James Albion, An.	<i>Hiram</i> 7 Forest Avenue
Moulton, Roger Daniels, Ee.	<i>York Village</i> 60 Park Street
Moynihan, Mary Elizabeth, Es.	<i>Lewiston</i> Balentine Hall
Mullen, Helen Ruth, Eh.	<i>Houlton</i> Balentine Hall
Murphy, Francis Leonard, Ed.	<i>Portland</i> 36 Grove Street
Nelson, Frances Virginia, Eh.	<i>Portland</i> 47 Pearl Street, Bangor
Newdick, Robert Lincoln, Gt.	<i>Augusta</i> Λ X A House
Nickerson, Charlotte Ellen, He.	<i>Brewer</i> 98½ State Street, Brewer
Nickerson, Clifton Scales, Fy.	<i>Bath</i> Φ Γ Δ House
Norton, George Austin, Me.	<i>Northampton, Mass.</i> Λ X A House
Nowak, Andrew Arthur, Zo.	<i>Bangor</i> 50 Pine Street, Bangor
O'Brien, John Augustus, Ee.	<i>Lewiston</i> Σ A E House
O'Neil, Wilbert Eugene, Jn.	<i>Dresden Mills</i> University Cabin
Ouellette, Dorothy Alice, Gt. & Jn.	<i>Madison</i> Balentine Hall
Page, Martha, He.	<i>Bath</i> Estabrooke Hall, N
Palmer, Edythe Frances, Sy.	<i>Portland</i> The Elms
Parker, Charles Henry, Gt.	<i>Waterville</i> 51 North Main Street
Parkhurst, Mary, Eh.	<i>Old Town</i>
	44 High Street, Old Town
Parkin, Charles Laurence, Eh.	<i>Bangor</i> Σ A E House
Parks, Margaret Elizabeth, Eh.	<i>Waterville</i> Balentine Hall
Patten, Jeanne Louise, Gt.	<i>Hampden Highlands</i>
	Balentine Hall
Pease, George Marshall, Ce.	<i>Bar Mills</i> Stillwater
Peckham, Malcolm Curtis, Fm.	<i>Taunton, Mass.</i> 302 Oak Hall
Peirce, Charlotte Sara, He.	<i>Bangor</i> 205 Elm Street, Bangor
Pendleton, Frank Emerson, Jr., Ch.Eng.	<i>Caribou</i> Δ T Δ House
Perazzi, Francesca Mary, Eh.	<i>Hallowell</i> Estabrooke Hall, N
Perkins, Marlowe Stevenson, Ba.	<i>Ogunquit</i> Δ T Δ House

Perkins, Stuart Hamilton, An.
 Petterson, Leonard Martin, Es.
 Pfeiffer, Charles Leslie, Fy.
 Pierce, Richard MacMillan, Fy.
 Piper, Edward Herschel, Fm.
 Plaisted, Philip Heath, Bt.
 Pond, Hulda Franklin, He.
 Potter, Edgar Morse, Zo.
 Powers, John Nolan, Ee.
 Pratt, Bertis Lee, Jr., Hy. & Gt.
 Price, Betty Catherine, Zo.
 Putnam, Neal Clifford, An.

Quint, Lloyd Frank, Ba.

Radley, John Robert, Ch.Eng.

Rafford, Arthur Palmer, Ag.

Rand, Jane, Sy. & Py.

Rand, Preston Brown, Es.
 Rankin, Earle Alfred, Th.
 Ranks, John Ellis, Ee.
 Ransden, Proctor Wayne, Fy.
 Renwick, Erle Bingham, Jr., Ee.
 Reynolds, Bion Edward, Ce.
 Reynolds, Edgar Bradford, Fm.
 Reynolds, Eugene Earl, Ba.
 Rhoads, Alice Carolyn, Eh.
 Rich, David Elmer, Jr., Me.
 Rideout, Elmer William, Jr., Zo.

Robbins, Stephen Leon, Fy.
 Roberts, Reginald Thomas, Me.
 Robinson, Donald Manfred, Ba.
 Robinson, Edward Alfred, Fy.
 Robinson, Edward Melvin, Es.
 Rollins, Lawrence Hollis, Ee.
 Rolnick, Ida Sonya, Sy.
 Rourke, Marie Josephine, Rl.
 Rowell, Ruth Olive, Eh.

Kennebunk 80 North Main Street
Deep River, Conn A T Ω House
South Natick, Mass. Φ Γ Δ House
Gardiner A T Ω House
Caribou Δ T Δ House
Oakland University Cabin
Hampden Hampden
Kittery Θ X House
Medway 25 Grove Street
Caribou 12 North Hall
Washburn Estabrooke Hall, S
Monroe 25 Grove Street

Portland Σ X House

Old Orchard Beach

University Cabin
Ashland Φ H K House
Cumberland Center

Estabrooke Hall, N
Bangor 14 Frances Street, Bangor
Melrose, Mass. 4 Middle Street
South Portland A T Ω House
Andover, Mass. Θ X House
Portland B Θ Π House
Winthrop Φ M Δ House
South Portland 33 Bennoch Street
Lubec 85 Main Street
Portland Balentine Hall
Bath Σ N House
Niagara Falls, N. Y.

18 Oak Street
Kittery Σ N House
Bethel 27 Pierce Street
Statcn Island, N. Y. Σ N House
Orono 378 College Avenue
Bangor 41 First Street, Bangor
Haynesville A T Ω House
Bangor 17 Adams Street, Bangor
Winthrop The Elms
Thomaston Estabrooke Hall, S

Stickney, Wendell Hayward, Me.	<i>Brownville</i>	84 College Avenue
Stratton, Richard Earle, Ce.	<i>Reading, Mass.</i>	Σ N House
Strout, Warren Greenleaf, Zo.	<i>Dexter</i>	A T Ω House
Sturgis, David William, Me.	<i>Gorham</i>	52 North Main Street
Sullivan, Walter Leeman, Me.	<i>Portland</i>	A T Ω House
Supovitz, Stanley Shepard, Es.	<i>Lewiston</i>	T E Φ House
Swanson, Eleanor Josephine, By.	<i>Brewer</i>	5 Washington Street, Brewer
Talbot, Philip Henry, Jr., Hy.	<i>Portland</i>	384 College Avenue
Tarr, Mary Lenora, Py.	<i>Baltimore, Md.</i>	Estabrooke Hall, N
Taverner, Donald Vardy, Hy.	<i>Augusta</i>	University Cabin
Tebbetts, Claire Marian, Eh.	<i>Lockes Mills</i>	Balentine Hall
Thomas, Janice Melendy, Am.Hy & Al.	<i>Bangor</i>	Estabrooke Hall, N
Thompson, Berneice Edith, He.	<i>West Enfield</i>	Estabrooke Hall, N
Titcomb, Edward Payson, Ag.	<i>Monticello</i>	Park Street
Tondreau, Evelyn Georgianna, Fr.	<i>Brunswick</i>	Balentine Hall
Tooley, Gordon Kenneth, Ce.	<i>Greenwich, Conn.</i>	Φ M Δ House
Torrey, Charlotte Marie, Eh.	<i>Bangor</i>	104 Royal Road, Bangor
Tourtillotte, Harry Elmer, Jr., Me.	<i>Old Town</i>	74 South Brunswick Street, Old Town
Tozier, Enid Frances, He.	<i>Solon</i>	Balentine Hall
True, Wilma LaForest, Ed.	<i>Houe</i>	Estabrooke Hall, S
Twitchell, Rachel Iva, He.	<i>Bryant Pond</i>	Estabrooke Hall, N
VanTassell, Hazel Marie, Fr.	<i>Houlton</i>	160 Stillwater Avenue, Old Town
Varnam, Leonard Eaton, Ph.	<i>Steep Falls</i>	A Γ P House
Varney, Willard Patrick, Ch.	<i>Bangor</i>	104 Third Street, Bangor
Viles, Frederick Marshall, Eng.Ps.	<i>Skowhegan</i>	A T Ω House
Ward, Gerald Madison, Dh.	<i>Thorndike</i>	25 Grove Street
Ward, Lowell Ellwood, Ce.	<i>Brighton</i>	306 Oak Hall
Warren, Wallace Flagg, Ph.	<i>Newport</i>	B Θ Π House
Watson, Carlisle Vives, Jr., Me.	<i>Cape Cottage</i>	Σ N House
Watson, George Albert, Ce.	<i>Wilton</i>	Σ X House
Weatherby, Beverly Donald, Fy.	<i>Grand Lake Stream</i>	Σ N House
Weidman, George Robert, Fy.	<i>Providence, R. I.</i>	24 Oak Street
Weinstein, Milton, Ba.	<i>Bangor</i>	55 Parkview Avenue, Bangor
Weisman, Robert Harry, Ch.A.	<i>Portland</i>	6 Mill Street

Welch, Walter Raynes, Wc.	<i>Rumford</i>	Σ A E House
West, Clifford Harry, Jr., Ba.	<i>Bangor</i>	Φ Γ Δ House
Wheeler, Donald Battye, Ba.	<i>Danvers, Mass.</i>	Λ X Λ House
White, Lois Evelyn, He.	<i>Augusta</i>	Balentine Hall
Whitney, Nellie Marie, Eh.	<i>East Corinth</i>	Balentine Hall
Wilbur, Oscar Milton, Jr., Ch.Eng.	<i>Cape Cottage</i>	Σ A E House
Williams, Margaret June, He.	<i>Hodgdon</i>	The Elms
Wilson, John Merrill, Fy.	<i>Lynn, Mass.</i>	18 Oak Street
Wilson, Ruth Augusta, He.	<i>Madison</i>	Estabrooke Hall, S
Witham, Hubert Elwin, Me.	<i>South Portland</i>	Λ T Ω House
Woodward, Edward, Me.	<i>Providence, R. I.</i>	Φ M Δ House
Wooster, Harry Macomber, Ce.	<i>Old Town</i>	
	258 Center Street, Old Town	
Worrick, Robert Clifton, Fm.	<i>Wellesley, Mass.</i>	Φ M Δ House
Worthen, Mary Ellen, Py.	<i>Bangor</i>	96 Forest Avenue, Bangor
Wright, Helen Nancy, Py.	<i>Wellesley, Mass.</i>	
		Estabrooke Hall, S
Youlden, Richard Howard, Ce.	<i>Needham, Mass.</i>	Φ M Δ House
Young, Joseph Andrews, Fy.	<i>Corca</i>	Φ H K House
Young, Keith Edmond, Fy.	<i>Portland</i>	University Cabin
Young, Norman Belmont, Ee.	<i>Hancock</i>	395 College Avenue

SOPHOMORES

Abbott, Donald Weare, Arts	<i>West Newton, Mass.</i>	K Σ House
Adams, Holyoke Purinton, Dh.	<i>Melrose, Mass.</i>	Φ K Σ House
Allen, Martha Frances, He.	<i>Auburn</i>	Estabrooke Hall, S
Allen, Ruth Evelyn, He.	<i>Mechanic Falls</i>	
		Estabrooke Hall, S
Allen, Winfield Tennent, Eng.Ps.	<i>Sanford</i>	Φ H K House
Amsden, Raymond Emery, Dh.	<i>Detroit</i>	56 Park Street
Anderson, Avis Eldora, He.	<i>Newport</i>	The Elms
Angel, Charles Robert, Bc.	<i>Waterville</i>	Λ Γ P House
Ashman, Rena Miriam, Arts	<i>Augusta</i>	Estabrooke Hall, S
Atkinson, Edward Gerald, Ce.	<i>Bath</i>	Σ N House
Atkinson, Robert Gordon, Arts	<i>Fort Fairfield</i>	Δ T Δ House
Atwood, Raymond Hymers, Ch.Eng.	<i>Rumford</i>	K Σ House
Avery, Harold Sidney, Jr., Arts	<i>Bath</i>	Σ A E House

A candidate for an advanced degree must give evidence by his previous record that he is qualified to do graduate work of a satisfactory grade. If he is a graduate of another institution he is required to submit, with his plan of study, credentials covering the courses pursued and the standing attained. If he is a graduate of the University of Maine he must present his record from the Registrar's office.

University of Maine Studies.—The *University of Maine Studies*, Second Series, issued under the direction of the Faculty of Graduate Study, are described under the heading of University Publications. Copies and lists of subjects may be obtained through the University Library.

FELLOWSHIPS AND SCHOLARSHIPS

Applications for graduate fellowships and scholarships should be made to the Dean of Graduate Study by March 1.

Trustee Fellowships.—The Trustees of the University established in 1931 three graduate fellowships of the value of \$500 each, to be assigned annually on a competitive basis by a committee of the Faculty of Graduate Study.

Trustee Graduate Scholarships.—Eight scholarships, of the value of a year's tuition, have been established by the Board of Trustees. Two are assigned to each teaching division of the University, or at large in any year when there are no suitable candidates for study in a particular college. In awarding the scholarships, preference is given to graduates of the University of Maine or of one of the Maine colleges. Holders of these scholarships may be called upon to render a reasonable amount of assistance in their major department.

Maritime Provinces Graduate Scholarships.—By action of the Trustees of the University, a graduate scholarship is available annually in each of the four academic divisions of the University, on a competitive basis, for graduates of the colleges and universities in the Provinces of New Brunswick, Nova Scotia, and Prince Edward's Island. These scholarships have a value of \$250, equivalent to a full year's tuition for a student residing without the State.

REQUIREMENTS FOR THE MASTER'S DEGREE

General Requirements.—A candidate for the master's degree is required to devote at least one year to resident graduate study and to complete

Bagley, George Francis, Ee.	<i>Orono</i>	75 Forest Avenue
Bail, Donald Williams, Pa.	<i>Newton Highlands</i>	
	<i>Mass.</i>	21 Grove Street
Bailey, Eugene Leroy, Arts	<i>Lubec</i>	24 Pierce Street
Bailey, Frank Herbert, Me.	<i>Augusta</i>	46 College Avenue
Baird, Frederick Thomas, Jr., Wc.	<i>Bangor</i>	28 Norway Road, Bangor
Baird, Philip Weston, An.	<i>Hartland</i>	55 Bennoch Street
Banton, Arabelle Gray, Arts	<i>Summit, N. J.</i>	Estabrooke Hall, N
Banton, George Walter, Arts	<i>Island Falls</i>	Σ A E House
Barbero, Giulio John, Arts	<i>Bangor</i>	41 Birch Street, Bangor
Barstow, Roy Wellington, Jr., Ch.Eng.	<i>Brewer</i>	
		52 Chamberlain Street, Brewer
Bartlett, Christine Elena, Arts	<i>Portland</i>	Balentine Hall
Bartlett, Howard Delano, Agr.Eng.	<i>Damariscotta Mills</i>	
		80 North Main Street
Bates, Burt Eugene, Ch.Eng.	<i>Orono</i>	68 Main Street
Belden, Sylvia Janet, Arts	<i>Prentiss</i>	The Elms
Bennett, John Chandos, Fy.	<i>Natick, Mass.</i>	A Γ P House
Benson, Frances Elizabeth, Arts	<i>Southwest Harbor</i>	
		Estabrooke Hall, N
Berce, Pauline Ruth, He.	<i>Washburn</i>	Estabrooke Hall, S
Berry, Roland Edward, Ch.	<i>Randolph</i>	148 Main Street
Beverage, Robert Mellen, Ch.Eng.	<i>Oakland</i>	College Avenue
Bickford, Mary Eleanor, He.	<i>Bangor</i>	
		314 West Broadway, Bangor
Billings, Mary Niles, He.	<i>Stonington</i>	Balentine Hall
Blaisdell, Leon Harvey, Jr., An.	<i>Portland</i>	A T Ω House
Blaisdell, Ruth Mildred, Arts	<i>Ellsworth</i>	Balentine Hall
Bodwell, Russell Seavey, Ce.	<i>Portland</i>	Φ K Σ House
Bond, Lyndon Herrick, Wc.	<i>Bangor</i>	121 Grant Street, Bangor
Bonney, Herman Wilford, Ge.	<i>Portland</i>	University Cabin
Bowley, Robert Prescott, Arts	<i>West Appleton</i>	Park Street
Boyle, Florence Gertrude, Arts	<i>Bangor</i>	Balentine Hall
Brackett, Manley Russell, Arts	<i>Limington</i>	Φ M Δ House
Brackett, Mary Elizabeth, Arts	<i>Portland</i>	Estabrooke Hall, N
Bradbury, Burke, Jr., Me.	<i>Stratford, Conn.</i>	Park Street
Bradbury, Olive Frances, He.	<i>Hollis Center</i>	Estabrooke Hall, N
Braley, Clyde Leon, Jr., Me.	<i>Auburn</i>	85 Main Street
Brewer, Albert Clarence, Fm.	<i>Presque Isle</i>	83 Park Street
Brewer, Leslie Clarence, Ee.	<i>Bar Harbor</i>	B Θ Π House

Broder, Irving Seymour, Arts	<i>Bangor</i>	
	200 Leighton Street, Bangor	
Broisman, Emma Rae, Arts	<i>Portland</i>	Balentine Hall
Broisman, Raymond, Ch.	<i>Portland</i>	6 Mill Street
Bronsdon, William Prentice, Dt.	<i>Newton Centre, Mass.</i>	
		Λ X Λ House
Brooks, William Edmund, Ce.	<i>Rumford</i>	K Σ House
Brown, David Alden, Fm.	<i>West Bath</i>	Φ Γ Δ House
Brown, William Smarden, Arts	<i>Portland</i>	Λ T Ω House
Brownlee, Hugh Malcolm, Me.	<i>Saco</i>	9 Franklin Street, Stillwater
Bruce, Frances Madeline, He.	<i>Hampden</i>	Hampden
Brundage, Robert Wells, Fm.	<i>Danbury, Conn.</i>	Φ Π K House
Buchanan, Robert Duncan, Arts	<i>Caribou</i>	B Θ Π House
Buck, Robert Jacques, Fy.	<i>Hempstead, L. I., N. Y.</i>	
		Φ Γ Δ House
Bunker, Ruth Adelaide, Arts	<i>Calais</i>	Estabrooke Hall, S
Burgess, Sumner Lawrence, Fy.	<i>Sangerville</i>	35 Grove Street
Burleigh, Lucy Dickerson, Arts	<i>South Berwick</i>	Balentine Hall
Burnett, Berna May, He.	<i>Brownville Junction</i>	
		Estabrooke Hall, S
Burrill, Margaret Frances, Arts	<i>Bangor</i>	11 Ohio Street, Bangor
Burrill, Richard Moore, Me.	<i>Dexter</i>	K Σ House
Bushnell, Cornelius Huntington, Jr., Me.	<i>Whitefield</i>	Θ X House
Butler, Melvin Metcalf, An.	<i>Wellesley Hills, Mass.</i>	
		Φ M Δ House
Butters, Muriel Elizabeth, He.	<i>East Corinth</i>	The Elms
Cabot, Philip Dwight, Me.	<i>Winchester, Mass.</i>	Φ Γ Δ House
Carlisle, Mary Sherman, Arts	<i>Bangor</i>	Estabrooke Hall, N
Carrier, Charles Moshur, Jr., Me.	<i>Millinocket</i>	Σ N House
Carter, Maxwell Benjamin, Jr., Ch.Eng.	<i>O'd Town</i>	Λ T O House
Chadwick, Richard Young, Fm.	<i>Portland</i>	Φ Γ Δ House
Chalmers, Linwood Sumner, Me.	<i>Bangor</i>	Σ A E House
Chapman, Charles Vaughn, Ce.	<i>Augusta</i>	Λ T Ω House
Chase, Margaret Loret, Ce.	<i>Auburn</i>	The Elms
Checchi, Arthur Alfred, Arts	<i>Calais</i>	Λ T Ω House
Cheney, Philip Dana, Ch.Eng.	<i>Ashland</i>	Σ N House
Chesworth, William, Jr., Me.	<i>East Milton, Mass.</i>	K Σ House

Clapp, Elwood Irvin, Jr., Ch.Eng.

Clark, Elsie Pauline, He.

Clark, Robert Vaughan, Arts

Clement, Warren Guy, Ee.

Clements, Alvord White, Fy.

Clifford, Helen Louise, He.

Coffin, Marguerite Anne, Arts

Colbath, James Arnold, Ed.

Colcord, Josiah Edward, Jr., Ce.

Comstock, Vaughn Wesley, Me.

Condon, William Henry, Ce.

Cook, Joyce Marion, Bc.

Coombs, Percy Harmon, Ce.

Cooper, Patricia Evelyn, He.

Cosseboom, Maida Katherine, He.

Courtney, Joseph Donald, Arts

Cousins, Arline Heath, He.

Covell, Robert Carvel, Arts

Cowan, Douglas Reinhard, Me.

Cowin, Pauline Frances, Arts

Cox, Louisa May, Arts

Coyne, Mary Natalie, Arts

Crocker, Charles Francis, Eng.Ps.

Crockett, Albert Day, Arts

Cullen, William Joseph, Ce.

Curtis, Benjamin Arthur, Fm.

Curtis, Natalie Louise, He.

Cushing, Gwendolyn Echo, Arts

Cushman, Robert Francis, Eng.Ps.

Cutler, Jean, Arts

Cutter, Marshall Win'on, Eng.Ps.

Newton Highlands,

Mass.

Φ Γ Δ House

North New Portland

Estabrooke Hall, S

Fort Kent

Σ N House

Portland

Φ K Σ House

Bangor

B Θ Π House

South Paris

Estabrooke Hall, N

Bangor

25 West Street, Bangor

East Millinocket

148 College Avenue

South Portland

Λ X A House

Millinocket

Σ N House

Newport

25 Grove Street

Portland

The Elms

Boothbay Harbor

Φ M Δ House

Auburn

Estabrooke Hall, S

Brewer

110 Parker Street, Brewer

Boston, Mass.

K Σ House

Westbrook

Balentine Hall

Monmouth

Φ K Σ House

Portland

Λ X A House

Orono

8 Elm Street

Orono

3 Brook Street

Bangor

118 Palm Street, Bangor

Centerville, Mass.

Θ X House

Auburn

Θ X House

Auburn

K Σ House

Caribou

Φ M Δ House

Portland

Balentine Hall

Portland

The Elms

South Portland

Λ X A House

Elizabeth, N. J.

Balentine Hall

Bangor

237 Parkview Avenue, Bangor

Dagan, Marshall Benjamin, Me.

Daggett, Ellen White, Arts

Damon, Howard Curtis, Arts

Daniels, Norma Leah, Arts

York Village

Φ K Σ House

Milo

The Elms

Buckfield

Park Street

Caribou

Balentine Hall

Davis, Arthur Alexander, Wc.	<i>Forest Hills West,</i> N. Y. 33 Bennoch Street
Davis, Dudley Edgar, Ee.	<i>Duxbury, Mass.</i> Φ K Σ House
Davis, Elbridge Burton, Arts	<i>Calais</i> 41 Mill Street
Davis, Harrison Everett, Dh.	<i>Liberty</i> Park Street
Davis, Richard Irving, Ee.	<i>Auburn</i> Λ X A House
Day, Philip Floyd, Arts	<i>Orono</i> 203 Main Street
Dean, George Ansel, Ee.	<i>Derby</i> 13 Pine Street
DeCourcy, Dayson Daniel, Arts	<i>Bangor</i> K Σ House
Desmond, Mildred, He.	<i>Patten</i> Balentine Hall
DeWitt, Horace Ezekiel, An.	<i>Sherman Mills</i> University Cabin
DiFalco, James Emanuel, Ch.Eng.	<i>Haverhill, Mass.</i> K Σ House
Dimitre, Howard Edward, Me.	<i>Calais</i> A T Ω House
Dodge, Richard William, Ee.	<i>Brunswick</i> B Θ Π House
Dole, Agnes Rebecca, Arts	<i>Bangor</i> R. #2, Bangor
Dondis, Joseph Harold, Ce.	<i>Rockland</i> 60 Forest Avenue
Donohue, John Joseph, Arts	<i>Paterson, N. J.</i> 7 Kell Street
Doore, Barbara, Arts	<i>South Paris</i> Balentine Hall
Doore, Orman Brown, En.	<i>South Paris</i> Σ A E House
Dorr, Frances Elaine, Arts	<i>Johnson City, N. Y.</i> Estabrooke Hall, N
Dow, Harold Raymond, Arts	<i>Houlton</i> 4 Summer Street
Drinkwater, Deborah Isabelle, He.	<i>Brewer</i> 26 East Summer Street, Brewer
Duran, Ruth Virginia, Arts	<i>Bangor</i> Cram Road, Bangor
Dyer, Milton Earl, Jr., Ce.	<i>Camden</i> 395 College Avenue
Eastman, Paul Jean, Ag.	<i>Smyrna Mills</i> Φ H K House
Eaton, Priscilla Rice, He.	<i>Melrose, Mass.</i> Estabrooke Hall, S
Ehrenfried, Albert Dawber, Eng.Ps.	<i>Lewiston</i> Φ K Σ House
Elashowich, Murray, Arts	<i>Roxbury, Mass.</i> 43 Main Street
Ellis, Edward McDuffee, Arts	<i>York Beach</i> Σ A E House
Ellis, Effie Susanne, Arts	<i>Brewer</i> Balentine Hall
Emery, Elizabeth Franca, Arts	<i>Fairfield</i> Estabrooke Hall, N
Etter, Kathryn Elizabeth, He.	<i>Bar Harbor</i> 31A Mill Street
Evans, Wayne Stirling, Ht.	<i>Orono</i> 8 Kell Stret
Evans, Weston Sumner, Jr., Ce.	<i>Orono</i> 8 Kell Stret
Evdo, Roman, Pa.	<i>Brooklyn, N. Y.</i> 430 College Avenue
Fairley, Eugene Daniel, Pa.	<i>Millinocket</i> 21 Grove Street

Farnum, Francis Hamilton, Jr., Me.	<i>Augusta</i>	Σ X House
Feeley, John Warren, Me.	<i>New Harbor</i>	Σ X House
Fettinger, Theodore Ford, Fy.	<i>Maplewood, N. J.</i>	Σ X House
Fielder, Mary Emily, He.	<i>Orono</i>	37 Pine Street
Findlen, Joseph Peter, Fm.	<i>Fort Fairfield</i>	Α Γ Ρ House
Fitch, Lucille Parker, Arts	<i>Waterville</i>	Balentine Hall
Fleming, Paul Gordon, Dh.	<i>Gardiner</i>	Α Τ Ω House
Fogler, Mary Aurelia, He.	<i>Hastings-on-Hudson, N. Y.</i>	Estabrooke Hall, N
Ford, William Blanchard, Me.	<i>Norwell, Mass.</i>	Α Χ Α House
Forrester, John McIntyre, Jr., Ag.	<i>Waldoboro</i>	Φ Γ Δ House
Foss, Virginia Eileen, He.	<i>Dover-Foxcroft</i>	Balentine Hall
Foster, Augusta Flora, Arts	<i>Ellsworth</i>	Balentine Hall
Foye, Robert Ernest, Wc.	<i>Gardiner</i>	Δ Τ Δ House
Freedman, Herbert, Ch.	<i>Portland</i>	6 Mill Street
Freeman, Miles Covell, An.	<i>Portland</i>	University Cabin
Frost, Alton Reynolds, Arts	<i>York Village</i>	55 Bennoch Street
Frost, Cornelius Webster, Fm.	<i>Bangor</i>	174 Leighton Street, Bangor
Fuller, Richard Henry, Arts	<i>Portland</i>	Φ Κ Σ House
Fulton, Clare Kendall, Me.	<i>Bath</i>	Σ Ν House
Gamber, Alfred David, Ch.Eng.	<i>Pelham, N. Y.</i>	Φ Μ Δ House
Garvin, Gerald Roscoe, Me.	<i>Springvale</i>	Φ Η Κ House
Gilley, Frank Palmer, Arts	<i>Southwest Harbor</i>	Σ Α Ε House
Gilpatrick, Arthur Lee, An.	<i>Whiting</i>	Park Street
Glidden, Carl Wilbur, Jr., Ee.	<i>Bangor</i>	University Cabin
Golbranson, Frank Landgrane, Arts	<i>Houlton</i>	Farm Boarding House
Gooch, Doris Eleanor, Arts	<i>Brunswick</i>	Balentine Hall
Goodrich, Virginia Rolfe, Arts	<i>Norwich, Conn.</i>	Estabrooke Hall, S
Goodwin, Donald Leslie, Arts	<i>Brewer</i>	119 Parker Street, Brewer
Goos, Julius James, Me.	<i>Bangor</i>	183 York Street, Bangor
Graham, Benjamin Franklin, Ce.	<i>Milton, Mass.</i>	412 H. H. Hall
Graham, Lawrence Allen, Pa.	<i>South Hadley, Mass.</i>	Α Χ Α House
Grant, Marita Maude, Ed.	<i>Presque Isle</i>	Eastern Maine
Graves, Donald Francis, Arts		General Hospital, Bangor
Graves, Sidney Keith, Arts	<i>Northeast Harbor</i>	33 Bennoch Street
Gross, Lester Fuller, Ce.	<i>Presque Isle</i>	Φ Η Κ House
	<i>Camden</i>	Φ Κ Σ House

Gross, Milton Maurice, Arts
 Grotefend, Robert Tiffany, Wc.
 Gundersen, Neal Hiram, Fy.
 Gunn, George Piers, Arts

Haggett, James Elmer, Eng.Ps.
 Hahnel, Oscar Richard, Ht.
 Haines, Philip Leigh, Fm.
 Hale, Fred Harold, Me.
 Hale, Richard Augustus, 2nd, Fy.
 Hall, Ruth Ann, Arts
 Ham, Robert Dale, Ee.
 Hamblett, Edward Blakely, Jr., Ee.
 Hanscom, Ecla Blanche, Ed.
 Hanson, Beulah Mary, Arts
 Hardy, Herbert Vinal, Agr.Eng.
 Hardy, Malcolm David, Ce.

Harley, Clara Jane, Arts
 Harlow, Robert James, Pa.
 Harris, William Laird, 3rd, Agr.Eng.
 Harthorn, Paul Dudley, Ch.Eng.
 Haskell, James Leland, Fy.
 Hastings, James Edward, Arts
 Hayes, Edward Richard, Ch.Eng.
 Hayman, Albion Seth, Dh.
 Henderson, Richard Wright, Ch.
 Henneberry, James Francis, Jr., Arts
 Henry, George Vane, Arts
 Hescok, Francis Pinkham, Me.
 Higgins, Frances Arlene, Arts
 Higgins, Philip Wayne, Me.
 Higgins, Richard Bradley, Arts
 Hill, John Austin, Jr., Me.
 Hillman, Arthur Merle, Arts
 Hillson, Harvey David, Ch.Eng.
 Hodges, Benjamin Franklin, Jr., Me.
 Hodges, Donald Isaiah, Me.
 Hodson, Harry Douglas, Me.
 Holden, Esther Cushing, Arts
 Holden, Malcolm Porter, Me.

Bangor 381 Ohio Street, Bangor
 West Englewood, N. J. Σ N House
 Cranford, N. J. 85 Main Street
 Bangor 143 Essex Street, Bangor

Norway 33 Bennoch Street
 Lewiston Δ X A House
 Fort Fairfield Φ H K House
 South Portland Δ X A House
 Lisbon Falls A Γ P House
 Orono 24 Crosby Street
 Springfield 7 Kell Street
 Bath Σ A E House
 Springfield The Elms
 Lee Estabrooke Hall, S
 Hope College Avenue
 Bangor

164 Forest Avenue, Bangor
 Augusta Balentine Hall
 Barre Plains, Mass. Δ T Δ House
 South Portland K Σ House
 West Pembroke 85 Main Street
 Hingham, Mass. Δ X A House
 Bangor 41 Linden Street, Bangor
 Lewiston 384 College Avenue
 Brookton Φ M Δ House
 Reading, Mass. Θ X House
 Amesbury, Mass. Φ Γ Δ House
 Orono 10 Pine Street
 Gardiner Φ M Δ House
 Waterville Estabrooke Hall, S
 Bangor Φ M Δ House
 Ellsworth Θ X House
 Natick, Mass. K Σ House
 Levant Farm Boarding House
 Orono 39 Mill Street
 Reading, Mass. Φ K Σ House
 Turner 26 Peters Street
 Camden Park Street
 Portland Estabrooke Hall, S
 West Hartford, Conn. Φ Γ Δ House

Holland, Henry, Arts	<i>Calais</i>	T E Φ House
Holland, Hugh Terence, Ch.Eng.	<i>Bangor</i>	356 French Street, Bangor
Honeyman, Henry Walter, 3rd, Eng.Ps.	<i>Riverside, R. I.</i>	Δ T Δ House
Hoover, Robert Marsh, Ee.	<i>Gorham</i>	23 Bennoch Street
Hopkins, Barbara Wing, Arts	<i>Bath</i>	Estabrooke Hall, S
Hopkins, Priscilla Ann, Arts	<i>Waterville</i>	Estabrooke Hall, S
Hopkinson, Ralph Hamilton, Me.	<i>Portland</i>	Φ M Δ House
Houghton, Frances Louise, He.	<i>Fort Fairfield</i>	Estabrooke Hall, S
Houlihan, William Thomas, Arts	<i>Bangor</i>	46 Fern Street, Bangor
Hufnagel, Jean George, Pa.	<i>Baldwin, L. I., N. Y.</i>	Φ Γ Δ House
Hulse, Silas, III, Ch.Eng.	<i>Tenafly, N. J.</i>	A T Ω House
Hutchinson, Alfred, Arts	<i>Danvers, Mass.</i>	Φ Γ Δ House
Ingraham, Hattie Elizabeth, He.	<i>Thorndike</i>	Balentine Hall
Innes, Richard Burgess, Eng.Ps.	<i>South Portland</i>	Park Street
Irvine, Carol Jeanette, Arts	<i>Framingham, Mass.</i>	Estabrooke Hall, S
Iveney, Joyce Rutherford, He.	<i>Eastport</i>	Balentine Hall
Jackman, Laura Baker, Arts	<i>Calais</i>	The Elms
Jacobs, Stephen Loring, Fy.	<i>Hingham, Mass.</i>	Σ A E House
James, Irene Claribel, Arts	<i>Woodland</i>	Balentine Hall
Jewett, Charles Lincoln, Eng.Ps.	<i>Brookline, Mass.</i>	Σ X House
Johns, Willard Thomas, Jr., Wc.	<i>Maplewood, N. J.</i>	K Σ House
Johnson, Kenneth Sherman, Jr., Ce.	<i>Providence, R. I.</i>	Σ X House
Johnstone, John Harold, Arts	<i>Bangor</i>	192 Webster Avenue, Bangor
Jones, Barbara Alice, He.	<i>Sumner</i>	Estabrooke Hall, N
Jones, Frederick Sawtelle, Me.	<i>Swampscott, Mass.</i>	B Θ Π House
Jones, Luella Louise, He.	<i>Presque Isle</i>	75 Forest Avenue
Jordan, Kenneth Clark, Eng.Ps.	<i>Ellsworth</i>	Park Street
Junkins, Stanley Clair, Ag.	<i>Oxbow</i>	17 Margin Street
Kagan, Edith, Arts	<i>Bangor</i>	Balentine Hall
Kane, John Frederick, Eng.Ps.	<i>Brewer</i>	28 Blake Street, Brewer
Kates, Robert, Arts	<i>Roxbury, Mass.</i>	43 Main Street
Keirstead, Clifford Harmon, Fm.	<i>Mapleton</i>	Park Street
Keith, Austin Rodney, Arts	<i>Bangor</i>	10 Boynton Street, Bangor
Kent, Edward Howard, Ht.	<i>Bangor</i>	16 Sixth Street, Bangor
Kerr, Theodore Alton, Dh.	<i>Waterville</i>	45 Peters Street
Kilgore, Marion Gertrude, Arts	<i>Rumford</i>	Estabrooke Hall, N
Kilpatrick, Carleton Everett, Ch.Eng.	<i>Portland</i>	Σ A E House

Kimball, Arnold Raleigh, Me.	<i>Briarcliff Manor,</i> Λ X Λ House N. Y.
Kimball, Jacqueline Idada, He.	<i>Freeport</i> Estabrooke Hall, S
Kimball, Myra Jean, Arts	<i>Damariscotta</i> 130 Middle Street, Old Town <i>Long Beach, N. Y.</i>
King, Elizabeth Thompson, Arts	Estabrooke Hall, S
King, Emile Joseph, Fm.	<i>Orono</i> 39 Mill Street
Kingsbury, Earl Randall, Me.	<i>Bangor</i> 9 Norway Road, Bangor
Kiszonak, Edward, Arts	<i>Lisbon Falls</i> 122 South Brunswick Street, Old Town
Klein, Frederic William, Pa.	<i>Newton Centre, Mass.</i> 33 Bennoch Street
Kloss, Charles Edward, Me.	<i>Bucksport</i> Σ X House
Knapp, Carroll Lyndall, Jr., Ch.	<i>Kingfield</i> 43 Peters Street
Knight, Marie Lura, He.	<i>Freedom</i> Balentine Hall
Knox, Allan, Ch.Eng.	<i>Augusta</i> Λ X Λ House
Kreh, Eleanor Barbara, Arts	<i>Union, N. J.</i> Balentine Hall
Lamoreau, Dolly Jean, He.	<i>Easton</i> Balentine Hall
Lamoreau, Herman Clifford, An.	<i>Bowdoinham</i> 25 Grove Street
Larsen, Albert Martin, Ce.	<i>Attleboro, Mass.</i> Φ Γ Δ House
Lawrence, John Maynard, Jr., Ce.	<i>Solon</i> Park Street
Leavitt, George Robert, Me.	<i>Bangor</i> 285 Center Street, Bangor
Leavitt, Mavis Carolyn, He.	<i>Turner</i> The Elms
Lebovitz, Jack Robert, Ch.Eng.	<i>Portland</i> T E Φ House
Ledien, Julie Edna, Arts	<i>Blue Hill</i> Balentine Hall
Leh, Eleanor Hall, Arts	<i>Topsham</i> Estabrooke Hall, S
Leland, Francis Gardner, Jr., Agr.Eng.	<i>Melrose, Mass.</i> K Σ House
Leonard, Priscilla Angela, Arts	<i>Cape Elizabeth</i> Estabrooke Hall, S
Levenson, Arnold Selwyn, Arts	<i>Dorchester, Mass.</i> 30 Crosby Street
Lewis, George Hamilton, Arts	<i>Bar Harbor</i> 26 Peters Street
Libbey, Waldo McClure, Ee.	<i>Bangor</i> 135 West Broadway, Bangor
Libby, Elizabeth Virginia, Arts	<i>Charleston</i> 223 State Street, Bangor
Libby, Melvin Ernest, Ee.	<i>Westbrook</i> K Σ House
Lobozzo, George Vincent, Ce.	<i>Auburn</i> Σ X House
Lown, Harold, Me.	<i>Lewiston</i> 430 College Avenue
Lufkin, Charles H., Ce.	<i>Bucksport</i> A T Ω House
Lurvey, Helen Patricia, Arts	<i>South Brewer</i> South Brewer

Luther, Eldon Herman, Me.	<i>Hartford, Conn.</i>	Λ X A House
MacCabe, Quentin Herbert, An.	<i>Winthrop</i>	25 Grove Street
McCobb, Joseph Leigh, Arts	<i>Auburn</i>	Δ T Δ House
McCurdy, Catherine Louise, He.	<i>Lubec</i>	Estabrooke Hall, N
McCurdy, Margaret Elizabeth, Arts	<i>Lubec</i>	Estabrooke Hall, S
MacDonald, Ellen Katherine, Arts	<i>Vassalboro</i>	Estabrooke Hall, N
MacDonald, Vinetta Estelle, Arts	<i>Eddington</i>	Eddington
McGary, Lawrence Ervin, Fm.	<i>Smyrna Mills</i>	Park Street
McIntire, Clarence Edwin, Arts	<i>Portland</i>	A T Ω House
MacKenzie, Robert Earl, Arts	<i>Orono</i>	81 Main Street
McLaughlin, Aubrey Alton, Fm.	<i>Island Falls</i>	Farm Boarding House
McLean, George Edward, Eng.Ps.	<i>Bangor</i>	30 Elm Street, Bangor
MacLeod, Kenneth Parker, Arts	<i>South Brewer</i>	511 South Main Street, South Brewer
MacNeil, Phyllis, Arts	<i>Swampscott, Mass.</i>	Estabrooke Hall, N
McNeilly, Alvin Small, Pa.	<i>Brookline, Mass.</i>	K Σ House
Macomber, Peter Browne, Arts	<i>Brunswick</i>	Δ T Δ House
Macri, Frank John, Arts	<i>Portland</i>	33 Bennoch Street
Mahaney, Sterling Arthur, Fm.	<i>Mars Hill</i>	33 Bennoch Street
Mahar, James Eugene, Me.	<i>Norwood, Mass.</i>	25 Grove Street
Manwell, Joan Winifred, He.	<i>Winthrop</i>	395 College Avenue
Markee, Charles Alton, Pa.	<i>Calais</i>	Δ T Δ House
Mason, Webber James, Arts	<i>Dexter</i>	University Cabin
Mathews, John Henry, Ch.Eng.	<i>Augusta</i>	Λ X A House
Medina, Muriel Evelyn, He.	<i>Waltham, Mass.</i>	Estabrooke Hall, S
Mcloon, Merton Stacy, Fm.	<i>Kezar Falls</i>	Φ M Δ House
Merrill, Charles Reed, Ce.	<i>Madison</i>	51 Highland Street, Bangor
Merrill, James Hersey, Ch.Eng.	<i>East Sumner</i>	395 College Avenue
Miller, Mary Layburn, He.	<i>Fairfield, Conn.</i>	Estabrooke Hall, N
Miller, Philip DeLand, Ch.Eng.	<i>Portland</i>	Φ Γ Δ House
Mitchell, Barbara Ruth, He.	<i>Bar Harbor</i>	Estabrooke Hall, S
Mooers, Harold Brian, Ee.	<i>Bangor</i>	90 Wiley Street, Bangor
Morgan, John Edward, Arts	<i>East Millinocket</i>	148 College Avenue
Moriarty, Thomas Henry, Jr., Eng.Ps.	<i>Fitchburg, Mass.</i>	36 Grove Street

Morong, William Henry, Jr., Me.	<i>Madison</i>	Σ N House
Morrill, Richard Arthur, Ce.	<i>West Farmington</i>	College Avenue
Morrison, Everett Oscar, Me.	<i>Sanford</i>	A T Ω House
Moulton, Arthur Henry, Me.	<i>Portland</i>	Σ N House
Moulton, James Francis, Ch.Eng.	<i>Rangeley</i>	Σ N House
Murch, Albert Kenneth, Agr.Eng.	<i>South Casco</i>	Φ M Δ House
Neal, Frank Ray, Jr., Ph.	<i>Portland</i>	K Σ House
Norton, Charles Carroll, Ch.Eng.	<i>Quoddy Village</i>	7 Kell Street
Nute, Warren Wilkins, Jr., Me.	<i>New Bedford, Mass.</i>	Φ M Δ House
Nutter, Robert Webster, Ht.	<i>Sanford</i>	Φ Γ Δ House
Obear, George Hanson, Ce.	<i>New York, N. Y.</i>	55 Bennoch Street
O'Neil, Joseph Raymond, Ch.Eng.	<i>Portland</i>	Φ Γ Δ House
Packard, Richard Malcolm, Arts	<i>Bath</i>	University Cabin
Page, Donald Edwin, Arts	<i>Orono</i>	279 Main Street
Page, Robert Homer, Me.	<i>Bucksport</i>	88 Park Street
Palmer, Richard Rockwood, Jr., Me.	<i>Lisbon Falls</i>	Φ K Σ House
Parker, Phillip Sheridan, By.	<i>Addison</i>	51 North Main Street
Parker, Robert Emmett, Fy.	<i>Peru, N. Y.</i>	Φ M Δ House
Parks, Jane Irene, Arts	<i>Hempstead, N. Y.</i>	Balentine Hall
Parmenter, Thomas Elmer, Ch.Eng.	<i>Portland</i>	Σ X House
Pearson, Linwood Farnum, Fy.	<i>Corinna</i>	Φ M Δ House
Pease, Harlan Lucien, Pa.	<i>Bar Mills</i>	Stillwater
Pennell, David Barnes, Ch.Eng.	<i>Portland</i>	60 Forest Avenue
Petterson, Robert Carlyle, Ch.	<i>Bangor</i>	31 Kineo Street, Bangor
Phelps, Robert Edward, Arts	<i>Readfield</i>	25 Grove Street
Phillips, Edward Hoag, Me.	<i>Melrose, Mass.</i>	A T Ω House
Phillips, Hughene Ruth, Arts	<i>East Holden</i>	East Holden
Pierce, Elsie Mae, Arts	<i>Damariscotta</i>	Estabrooke Hall, N
Pierce, James Everett, Arts	<i>Old Town</i>	34 Sixth Street, Old Town
Pike, Esther Marguerite, He.	<i>Waterford</i>	Balentine Hall
Pikelis, Peter Sylvester, Ee.	<i>Millinocket</i>	Σ N House
Pillsbury, Dorothy Priscilla, He.	<i>Limington</i>	The Elms
Piper, Elizabeth Ann, Arts	<i>Damariscotta</i>	Estabrooke Hall, N
Poor, William Osgood, Ee.	<i>Belfast</i>	33 Bennoch Street
Powell, Ralph Carleton, Arts	<i>Orono</i>	69 Forest Avenue
Powers, Thomas Francis, Arts	<i>Lewiston</i>	Σ A E House

work amounting to fifteen hours per week throughout the college year (thirty semester hours). In the case of summer session students, four sessions, or the equivalent, are normally accepted as fulfilling residence requirements, except that for candidates for the degree of Master of Education the requirement is five summers.

The amount of credit which may be transferred from another university is limited to six semester hours; the amount of work which may be done toward a degree in Extension classes, whether held on or off the campus, is ordinarily limited to six hours. All requirements for the degree must be completed within an eight-year period.

Some departments have a foreign language requirement.

Program of Studies.—As soon after registration as practicable, the student, in conference with his major instructor, will plan his entire course of study for the master's degree, but may postpone until later the selection of a thesis subject.

The curriculum shall include work in a major department or subject in which the candidate has already completed the equivalent of at least two years of undergraduate study. The work may all be done in one department, or it may include not more than two minor subjects which bear a distinct relation to the general plan or purpose of the major subject. All of the work must be of advanced character and must be tested by examinations which the candidates shall pass with distinction.

Courses of study intended primarily for graduate work are numbered above 100 in the catalog, but courses numbered 51 to 100 inclusive may be counted upon approval. Courses numbered 50 or under may not be accepted for graduate credit.

A thesis is required of all candidates for the degrees of Master of Arts and Master of Science; a paper, for which two semester hours of credit are allowed, is a requirement for the degree of Master of Education.

Theses.—The candidate for the degree of Master of Arts or Master of Science shall prepare, as a part of his curriculum, a satisfactory thesis on some topic connected with his major subject. It is ordinarily expected that the thesis shall be a limited piece of original research, with the design of making a minor contribution to scholarship in the student's particular field. A student of proved maturity, intelligence, accuracy, and industry, however, whose objectives and interests are not best furthered by this type of research, may be authorized to submit a thesis of different type. This may consist of a digest and analysis of the literature on a topic or problem of major importance in the student's field; the analysis of a set of accepted statistics in

Presnell, Donald Franklyn, Arts	<i>Portland</i> Φ K Σ House
Pressey, Eva Frances, He.	<i>Bangor</i> 487 Union Street, Bangor
Pride, Fleetwood, Jr., Ee.	<i>Abbot Village</i> 33 Bennoch Street
Pullman, Avril Lawrence, Ee.	<i>Orono</i> 43 Main Street
Pulsifer, Herbert Gerald, Arts	<i>Clinton</i> 88 Park Street
Putnam, Norman Armstead, Me.	<i>Reading, Mass.</i> Φ K Σ House
Quinn, Harry Barkman, Ch.Eng.	<i>Cape Cottage Woods</i> Σ A E House
Rackliffe, Fred Alden, Me.	<i>Belfast</i> B Θ Π House
Rafferty, Thomas Hilary, Me.	<i>Old Town</i>
	131 Veazie Street, Old Town
Randall, Esther, He.	<i>Lewiston</i> Estabrooke Hall, S
Redmond, William Lawrence, Arts	<i>Bangor</i> 10 March Street, Bangor
Reed, Walter Manley, Jr., Fm.	<i>Fort Fairfield</i> Φ Π K House
Reid, James Gilmour, Ch.	<i>Bangor</i>
	96 Highland Street, Bangor
Reynolds, Albert Field, Arts	<i>Bangor</i> 12 Clinton Court, Bangor
Rice, Katherine Frances, Arts	<i>Rockland</i> Estabrooke Hall, S
Rich, Elton Mylan, Arts	<i>Detroit</i> 56 Park Street
Richardson, Carroll Barton, Fm.	<i>Oakland</i> 312 Oak Hall
Riley, Willard Edwin, Fm.	<i>Peaks Island</i> A T Ω House
Ring, Anne Barbara, Arts	<i>Lockes Mills</i> Estabrooke Hall, S
Robbins, Julia Hedwige, He.	<i>Dover-Foxcroft</i>
	Estabrooke Hall, N
Robinson, Christine Elizabeth, Arts	<i>Oxford</i> Estabrooke Hall, S
Roley, Ray DeWitt, Jr., Eng.Ps.	<i>Newton, Mass.</i> Φ M Δ House
Rollins, Norman Whittier, Dh.	<i>Farmington</i> University Cabin
Rowe, Irene Louise, Arts	<i>Bangor</i> Union Street, R.F.D. 3,
	Bangor
Rubinoff, Marcia, Arts	<i>Auburn</i> Balentine Hall
Rudman, Stanley Hillel, Arts	<i>Bangor</i> 132 Grant Street, Bangor
Russell, Carrie Adelaide, Arts	<i>Rangeley</i> Balentine Hall
Ryan, Sally Jean, Arts	<i>Ridgewood, N. J.</i>
	Estabrooke Hall, N
Saltzman, Elmer, Arts	<i>Bangor</i> 303 Broadway, Bangor
Sanford, Alpheus, Arts	<i>Brunswick</i> Σ A E House
Sawin, Dwight Holden, Jr., Fm.	<i>Harrison</i> A Γ P House
Scammon, Claudia Alicia, He.	<i>Orono</i> 121 North Main Street
Schoppe, John Cushman, Me.	<i>Auburn</i> Σ A E House

Scribner, Barbara Burden, Arts
 Seely, Marjorie Edith, He.
 Sewall, Nathaniel Woodsum, Ee.
 Shaughnessy, William Arthur, Arts
 Sheehy, Frances Ann, Arts
 Sims, Edward Wesley, Arts
 Sklar, Gertrude, Arts

Sleight, Earland Kingsley, Ch.Eng.
 Small, Eleanor Louise, He.
 Small, Harlan Forrest, Fm.
 Smith, Floyd Flynt, Me.
 Smith, Mahlon Dorrance, Ch.Eng.
 Smith, Robert Augur, Fy.
 Smith, Robert Dale, Arts
 Smith, Stanley Bartlett, Ph.
 Smith, Virginia Fern, Arts
 Snow, Sylvia Lula, Arts
 Solomon, Allen Heirsh, Arts
 Soule, Phyllis Ellen, He.
 Spaulding, Layton Eugene, Me.
 Spearin, Walter Eugene, Pa.
 Speed, Robert Edward, Arts
 Spencer, Frank Whittier, Jr., Me.
 Spiller, Philip Davis, Ce.
 Squires, Frank Edmond, Fm.
 Stackpole, Miner Batchelder, Ce.
 Staff, Gordon Robert, Ce.

Starrett, Robert McLean, Me.
 Steinmetz, John Ferdinand, Arts
 Stevens, Everett Robert, Agr.Eng.
 Stevens, Sumner Worth, Ch.Eng.
 Stickney, Charles Edwin, Jr., Me.
 Stimpson, Clayton Sheldon, Ph.
 Stocking, Charles Parsons, Jr., Ph.
 Stone, Donald Leroy, Fy.
 Storer, Daniel Phinney, Arts
 Storer, Philip Whitmore, Fm.

Bangor Estabrooke Hall, N
 Patten Balentine Hall
 Livermore Falls College Avenue
 Bangor 15 Wing Street, Bangor
 Lewiston Estabrooke Hall, S
 Brockton, Mass. K Σ House
 Old Town 136 North Main Street,
 Old Town
 Lubec Σ N House
 Dexter Balentine Hall
 Blue Hill 19 Third Street, Bangor
 Augusta Λ X Λ House
 Yarmouth Σ A E House
 Branford, Conn. A T Ω House
 Springfield 15 Park Street
 Turner Center 33 Pond Street
 Anson The Elms
 Blue Hill The Elms
 Lowell, Mass. T E Φ House
 Charleston 11 Pond Street
 Waterville 7 Kell Street
 Benton Station Σ N House
 Millinocket Θ X House
 Orono 7 Kell Street
 Westbrook 66 Park Street
 Medford, Mass. K Σ House
 Augusta 20 Grove Street
 Richmond Hill, L. I.,
 N. Y. Σ X House
 Friendship 33 Bennoch Street
 Orono 36 College Avenue
 Fryeburg A Γ P House
 Newton, Mass. 33 Bennoch Street
 Portland Φ Γ Δ House
 Stockton Springs A Γ P House
 Williamstown, Mass. Λ X Λ House
 Detroit 56 Park Street
 Orono 56 Park Street
 Newtonville, Mass.
 33 Bennoch Street

Stotler, Thomas Francis, Fy.	<i>Great Barrington, Mass.</i>
	A T Ω House
Stritch, Marjorie Edith, Arts	<i>Sanford</i> Estabrooke Hall, S
Sullivan, Cecilia Genevieve, Arts	<i>South Brewer</i> 43 Pendleton Street, South Brewer
Suminsby, John Edward, Eng.Ps.	<i>Northeast Harbor</i> Σ A E House
Sweet, Miriam Amelia, He.	<i>East Holden</i> Balentine Hall
Sweetser, Philip Sturdivant, Ht.	<i>Cumberland Center</i> Σ X House
Tabenken, Gerald Marcus, Arts	<i>Bangor</i>
	207 Parkview Avenue, Bangor
Tainter, Richard Walker, Ch.Eng.	<i>Auburn</i> Θ X House
Talbot, Thomas Joseph, Fm.	<i>Woodland</i> A T Ω House
Taylor, Henry Joseph, Me.	<i>Bangor</i> 60 Fruit Street, Bangor
Tedford, Hollis Clinton, Jr., Ce.	<i>Orono</i> 55 Park Street
Theriault, John Phillip, Ce.	<i>Old Town</i> 197 Center Street, Old Town
Thomas, Camp Lee, Ed.	<i>Lewiston</i> Φ K Σ House
Thomas, David, Dh.	<i>Portland</i> B Θ Π House
Thomas, Harry Sanborn, Jr., Ee.	<i>Farmington</i> B Θ Π House
Thompson, George, Jr., Ag.	<i>Beverly, Mass.</i> Φ K Σ House
Thorpe, Arletta Nellie, Arts	<i>Christmas Cove</i> Estabrooke Hall, S
Thurlow, Roger William, Dh.	<i>Lee</i> Park Street
Tillson, Thomas Rufus, Me.	<i>Dexter</i> Σ A E House
Todd, Eunice Weston, He.	<i>Madison</i> 51 Park Street
Tolford, Rhoda Winifred, Arts	<i>Portland</i> Balentine Hall
Treworgy, Florence Mary, He.	<i>Blue Hill</i> 11 Pond Street
Troland, Ruth Eleanor, Arts	<i>Malden, Mass.</i> Estabrooke Hall, S
Tschamler, John Donald, Ch.Eng.	<i>Augusta</i> Θ X House
Turner, Philip Beaumont, Bc.	<i>Mapleton</i> Park Street
Walker, George Brewster, An.	<i>Newton Centre, Mass.</i>
	47 Mill Street
Walker, Lois Marion, He.	<i>Skowhegan</i> Balentine Hall
Walker, Norman Cabot, Arts	<i>West Kennebunk</i> B Θ Π House
Walker, Ralph William, Fm.	<i>Presque Isle</i> A T Ω House
Ward, James Frederick, Ce.	<i>Houlton</i> Φ Γ Δ House
Washburn, Frederick John, Jr., Fy.	<i>Monmouth</i> 26 Island Avenue
Waterhouse, Dorothy Perkins, Arts	<i>Tiquisate,</i>
	<i>Guatemala, C. A.</i> Balentine Hall
Waterman, Ida May, Arts	<i>Old Town</i> 48 Jefferson Street, Old Town

Waters, William Eugene, Fy.	<i>Tenafly, N. J.</i>	Λ X A House
Webber, George William, Jr., Arts	<i>Auburn</i>	Σ N House
Webber, Robert Palmer, Arts	<i>Hallowell</i>	Φ Γ Δ House
Webster, John Gordon, Ch.	<i>Lakeville, Conn.</i>	Σ N House
Wertheim, Clarke Harris, Arts	<i>Needham, Mass.</i>	B Θ Π House
Wescott, John Putnam, Ag.	<i>Patten</i>	5 Park Lane
White, Earl Arthur, Arts	<i>Old Town</i>	Σ A E House
White, Leon George, Jr., Me.	<i>Bangor</i>	Φ M Δ House
Whitney, Everett Franklin, Me.	<i>Lincoln Center</i>	14 Kell Street
Whitney, Florice Elaine, Arts	<i>Portland</i>	Estabrooke Hall, N
Whitney, Harrison Bartlett, Ee.	<i>Portland</i>	Σ N House
Whitney, June Estelle, Arts	<i>Skowhegan</i>	Estabrooke Hall, S
Whitney, Willard Hall, Arts	<i>Bangor</i>	29 Grove Street, Bangor
Whitten, John Francis, Fm.	<i>Fort Kent</i>	Φ H K House
Wight, Hall Nelson, Ce.	<i>Madison</i>	University Cabin
Wilbur, Carl Allen, Me.	<i>Port Jervis, N. Y.</i>	384 College Avenue
Willett, Charlotte Teresa, He.	<i>Orono</i>	235 Main Street
Williamson, Earl Sherman, Ch.Eng.	<i>Portland</i>	Stillwater
Wilson, Albert Holman, Fy.	<i>Portland</i>	12 Park Street
Wilson, Marjorie Elinor, Ce.	<i>Belfast</i>	The Elms
Winchester, David Burton, Wc.	<i>Allston, Mass.</i>	Σ X House
Wing, Herbert Edwin, Arts	<i>Kingfield</i>	College Avenue
Woodbrey, Eva Leona, Arts	<i>Sebago Lake</i>	Balentine Hall
Wooster, Mildred Ethelyn, He.	<i>Old Town</i>	258 Center Street, Old Town
Young, Hilda Ruth, Arts	<i>North Brooksville</i>	Estabrooke Hall, N
Zink, Robert Miller, Fy.	<i>Wilmington, Del.</i>	A Γ P House

UPPERCLASS STUDENTS CONDITIONED FOR ADMISSION

Lacroix, Harold Joseph, Es.	('43)	<i>Camp Lee, Va.</i>	Δ T Δ House
Larrabee, Benjamin True, Arts	('44)	<i>Berlin, N. H.</i>	Σ A E House
Parker, Albert Freeman, Es.	('43)	<i>Hollis, N. H.</i>	15 Pond Street
Thibault, Hector Arthur, Ee.	('44)	<i>Skowhegan</i>	Park Street

FRESHMEN

Abbott, William Edwin, Ee.	<i>Bucksport</i>	College Avenue
Akeley, Barbara Goodiell, Arts	<i>Presque Isle</i>	The Elms
Allen, Thomas Tracy, Arts	<i>South Portland</i>	24 Pierce Street
Alley, Harold Roscoe, Arts	<i>Calais</i>	412 H. H. Hall
Ames, Dorothy, He.	<i>East Millinocket</i>	Balentine Hall
Anderson, Robert Simeon, Arts	<i>Lisbon Falls</i>	403 Oak Hall
Annis, Charlotte, He.	<i>Brewer</i>	Colvin Hall
Ansell, Mary Isabel, Arts	<i>Dexter</i>	Colvin Hall
Ansell, Shirley May, Arts	<i>Portland</i>	Balentine Hall
Archibald, Philip Linwood, Fy.	<i>Monticello</i>	409 H. H. Hall
Armstrong, Florence Jeanette, Arts	<i>Bangor</i>	117 Grove Street, Bangor
Atherton, Barbara Louise, He.	<i>Orono</i>	Colvin Hall
Austin, Erwin Grover, Agr.	<i>Monroe</i>	Park Street
Aylward, Carleton Walter, Me.	<i>Lincoln</i>	24 Pierce Street
Babb, Marshall Farrington, Me.	<i>Portland</i>	University Cabin
Bachelder, Beulah Estella, Arts	<i>Norway</i>	The Elms
Bailey, Guy Randall, Arts	<i>Lubec</i>	204 H. H. Hall
Barber, Howard Clinton, Jr., Agr.	<i>Providence, R. I.</i>	111 H. H. Hall
Bardsley, Sherwin Pierce, Eng.	<i>Leominster, Mass.</i>	27 North Hall
Barmby, Albert Roy, Ee.	<i>North Reading, Mass.</i>	205 Oak Hall
Bartholomaei, Nathaniel True, Eng.	<i>Waban, Mass.</i>	103 Oak Hall
Bartlett, Albert Bernard, Eng.	<i>Bethel</i>	13 North Hall
Bean, Ralph Leonard, Ce.	<i>Auburn</i>	304 Oak Hall
Bean, Roger Polson, Eng.	<i>Saco</i>	204 H. H. Hall
Bearor, Robert Amie, Arts	<i>Madison</i>	University Cabin
Beaulieu, Conrad Edward, Eng.	<i>Caribou</i>	Park Street
Beaumont, Arlene Elizabeth, He.	<i>Lewiston</i>	Colvin Hall
Bell, Doris Mae, Arts	<i>Hopedale, Mass.</i>	Colvin Hall
Bennett, Marie Teresa, Arts	<i>Bath</i>	Colvin Hall
Berger, George Randolph, Eng.	<i>Upper Montclair, N. J.</i>	404 H. H. Hall
Bernard, Robert Webb, Eng.	<i>Staten Island, N. Y.</i>	407 H. H. Hall
Betts, Perley Forsythe, Jr., Ce.	<i>Gardiner</i>	148 Main Street
Bickford, William Joseph, Eng.	<i>Norway</i>	301 H. H. Hall
Bicknell, William Knowlton, Me.	<i>Rockland</i>	109 H. H. Hall
Billings, Bruce Sinclair, Arts	<i>Milo</i>	202 H. H. Hall

Blaisdell, Phyllis Lucille, Arts	<i>Portland</i>	Balentine Hall
Bloom, Richard Courtney, Arts	<i>North Haven</i>	309 H. H. Hall
Bovie, Verne Henry, Eng.	<i>New Rochelle, N. Y.</i>	202 H. H. Hall
	<i>Blue Hill</i>	Balentine Hall
Bowden, Rebecca McIntyre, Arts	<i>Charleston</i>	Balentine Hall
Bradford, Thelma Priscilla, Arts	<i>Ticonderoga, N. Y.</i>	27 Myrtle Street
Bradley, Russell Vincent, Arts	<i>Albion</i>	Balentine Hall
Bradstreet, Ethelyn, He.	<i>Bangor</i>	100 Otis Street, Bangor
Brennan, Neal Edward, Jr., Eng.	<i>South Portland</i>	208 H. H. Hall
Brewster, Robert Lewis, Fy.	<i>Saugus, Mass.</i>	304 H. H. Hall
Britt, Andrew Bartlett, Jr., Eng.	<i>Saco</i>	18 Oak Street
Brock, Carleton Ellsworth, Ch.Eng.	<i>Lynn, Mass.</i>	401 Oak Hall
Brodie, Walter Stanley, Arts	<i>North Plainfield, N. J.</i>	402 H. H. Hall
Brokaw, Robert Otis, Arts	<i>Rumford</i>	16 North Hall
Brooks, Walter Calvin, Arts	<i>Bangor</i>	107 Third Street, Bangor
Brountas, Nicholas Peter, Arts	<i>Robbinston</i>	Colvin Hall
Brown, Betty, He.	<i>Hingham, Mass.</i>	409 H. H. Hall
Brown, Charles Walker, Jr., Fy.	<i>Millinocket</i>	402 H. H. Hall
Brown, Dana Wellman, Arts	<i>Robbinston</i>	408 Oak Hall
Brown, Harold Leonard, Arts	<i>Gardiner</i>	105 Oak Hall
Brown, James Walker, Fy.	<i>Norway</i>	Colvin Hall
Brown, Margaret Alice, He.	<i>Damariscotta</i>	410 H. H. Hall
Brown, Ralph Willard, Agr.	<i>Brewer</i>	164 State Street, Brewer
Browne, Kenneth Holyoke, Arts	<i>Naples</i>	204 Oak Hall
Buck, Gurdon Saltonstall, Agr.	<i>Rockport, Mass.</i>	104 H. H. Hall
Buckley, John Draper, Ch.Eng.	<i>Bangor</i>	79 Birch Street, Bangor
Buker, George Edward, Ee.	<i>Auburn</i>	302 H. H. Hall
Bunker, Dana Emery, Me.	<i>Fort Fairfield</i>	302 H. H. Hall
Bunnell, William Ray, Agr.	<i>Augusta</i>	404 Oak Hall
Burgess, Alan Cook, Eng.	<i>Howland</i>	Grove Street
Burgoyne, Theodore Lewis, Arts	<i>Bangor</i>	428 Hammond Street, Bangor
Burnett, Lloyd James, Eng.	<i>Old Town</i>	12 Seventh Street, Old Town
Burnham, Beverly Bruce, Eng.	<i>Lakewood, N. J.</i>	410 H. H. Hall
Buswell, Arthur Stephen, Agr.	<i>Winchester, Mass.</i>	301 Oak Hall
Butler, Joseph Werner, Jr., Me.	<i>Fairhaven, Mass.</i>	24 North Hall
Cahoon, Robert Bernell, Ch.Eng.	<i>Brooklyn, N. Y.</i>	405 Oak Hall
Camack, Charles William, Ee.		

Campbell, Madge Lucille, Arts	<i>Calais</i>	Balentine Hall
Canning, James Edward, Jr., Me.	<i>Bangor</i>	94 Palm Street, Bangor
Carleton, Harry Vincent, Me.	<i>Wollaston, Mass.</i>	111 H. H. Hall
Carter, Constance Louise, He.	<i>East Blue Hill</i>	Balentine Hall
Carter, James Calvin, Arts	<i>Belfast</i>	University Cabin
Carter, Leroy Elmer, Agr.	<i>Monticello</i>	203 H. H. Hall
Carter, Wallace Berkley, Agr.Eng.	<i>Caribou</i>	303 Oak Hall
Case, Marian Eleanor, He.	<i>Springfield, Mass.</i>	Colvin Hall
Chaplin, Carolyn, He.	<i>Hillside</i>	Balentine Hall
Chaplin, Joseph Benjamin, Jr., Eng.	<i>Bangor</i>	11 North Hall
Chase, Robert Miller, Ce.	<i>Cape Elizabeth</i>	206 Oak Hall
Clark, Delmont Edward, Agr.	<i>Brooks</i>	212 Oak Hall
Clark, Josephine Isabelle, Arts	<i>Brownville Junction</i>	Balentine Hall
Clausen, Kenneth Hansford, Fy.	<i>Princeton, N. J.</i>	303 H. H. Hall
Clay, Virginia Burr, Arts	<i>Lincoln</i>	Balentine Hall
Clifford, Priscilla Arbo, He.	<i>Brownville</i>	Brownville
Cochrane, Priscilla Ellen, He.	<i>Berwick</i>	Balentine Hall
Coffey, Arnold Merton, Agr.	<i>Presque Isle</i>	108 Oak Hall
Cohen, Arnold Joy, Fy.	<i>New York, N. Y.</i>	305 Oak Hall
Colby, Malcolm Oliver, Me.	<i>Bangor</i>	211 H. H. Hall
Cole, Henry Bogardus, Eng.	<i>Wilton</i>	408 H. H. Hall
Cole, Virgil Erwin, Arts	<i>Medway</i>	25 Grove Street
Collins, Samuel Wilson, Jr., Arts	<i>Caribou</i>	202 Oak Hall
Collis, Elizabeth Leighton, He.	<i>Newburyport, Mass.</i>	Colvin Hall
Condon, Grover Cleveland, Ch.Eng.	<i>Bangor</i>	Griffen Road, Bangor
Conners, Edward Warren, Jr., Me.	<i>Old Town</i>	306 Center Street, Old Town
Cook, Ray Avery, Arts	<i>Eastport</i>	384 College Avenue
Cope, Philip, Eng.	<i>Portland</i>	307 H. H. Hall
Couri, Arthur Robert, Arts	<i>Portland</i>	404 H. H. Hall
Cox, Opal McKusick, He.	<i>Brooks</i>	206 Birch Stret, Bangor
Coy, Marilyn Ada, He.	<i>Milo</i>	The Elms
Crabtree, Robert Scammon, Arts	<i>Hancock</i>	395 College Avenue
Crandall, Roderick Palmer, Ch.Eng.	<i>Islesboro</i>	26 North Hall
Crane, Frank Milton, Ce.	<i>Waterville</i>	104 H. H. Hall
Crockett, Burleigh Stetson, Agr.	<i>West Sumner</i>	404 H. H. Hall
Crockett, John Lawrence, Fy.	<i>West Roxbury, Mass.</i>	212 H. H. Hall
Crooker, Allen Robert, Agr.	<i>Oxford</i>	University Cabin
Crossland, Donald Erwin, Arts	<i>Orono</i>	5 Riverdale
Crossley, William Buck, Agr.	<i>Middleboro, Mass.</i>	212 H. H. Hall

Croswell, Virginia Arlene, Arts
 Crowell, Harrison Philip, Eng.
 Culberson, Wendell Alexander, Agr.
 Cummings, Charles Jordan, Ee.
 Currier, Dorothy Edith, He.
 Cutts, Richard, Eng.
 Cyr, Albert Edmond, Me.

Danforth, Donald Worth, Ch.

Danforth, Richard Hamlin, Ee.
 Danner, William Howard, Fy.
 Darling, LeRoy Anthony, Arts
 Davey, Richard Schoble, Ch.

Davis, Arnold A., Agr.
 Davis, Clifford Warren, Ee.
 Davis, Elmer Howard, Agr.
 Davis, Lorraine Martha, Arts
 Daw, Harriette Frances, Arts
 Deacon, William Henry, Arts

Dennett, Barbara Ann, Arts
 Derbyshire, Robert Plummer, Eng.
 Desjardins, Richard Fernand, Arts
 Devoe, Jean Hutchinson, Arts
 DeWever, Patricia Ellen, Arts
 Dexter, Doris Ann, Arts
 Dickinson, Earle Willard, Arts
 Dinsmore, Robert Frank, Ch.Eng.
 DiRenzo, Michael James, Arts
 DiRico, Fred, Ce.
 Doescher, John Frederick, Agr.
 Dole, Anna Mae, Arts
 Dolloff, Marion Maude, Arts
 Donovan, James Frederic, Eng.
 Dow, Arthur Lester, Jr., Ch.Eng.
 Dow, Marion Myrtle, He.
 Doyle, Theresa Beatrice, Arts
 Dudley, Pauline Virginia, He.

Farmington Falls Colvin Hall
Skowhegan 302 Oak Hall
Caribou 206 H. H. Hall
LaGrange 24 Oak Street
Auburn Colvin Hall
Kittery Point 104 H. H. Hall
Old Town 25 Bosworth Street,
 Old Town

Brewer 187 North Main Street,
 Brewer
Gardiner 401 H. H. Hall
Watertown, Mass. 407 Oak Hall
Bangor 34 Lee Street, Bangor
Upper Montclair, N. J.
 401 Oak Hall

East Corinth Bennoch Road
South Portland 405 H. H. Hall
Caribou 108 Oak Hall
Rumford The Elms
Monson Colvin Hall
Brewer 26 Washington Street,
 Brewer

Hollis Center Colvin Hall
Skowhegan 305 H. H. Hall
Auburn 7 Kell Street
Bangor 221 Elm Street, Bangor
Farmington Balentine Hall
Lewiston Colvin Hall
Richmond 211 H. H. Hall
Cape Elizabeth 210 Oak Hall
Auburn 311 H. H. Hall
Quincy, Mass. 15 Middle Street
Houlton 407 H. H. Hall
Bangor R. #2, Bangor
Brooks 73 North Main Street
Houlton 210 Oak Hall
Rumford 203 H. H. Hall
Limington The Elms
West Scarboro Balentine Hall
Mapleton Colvin Hall

Dullea, Maurice Bernard, Arts	<i>Norway Lake</i> 12 Park Street
Dunham, George Arthur, Eng.	<i>Brewer</i> 305 Wilson Street, Brewer
Dunroe, John Henry, Ce.	<i>Bangor</i> R.F.D. #7, Bangor
Earle, Arnold Bentley, Ee.	<i>Lisbon Falls</i> 408 Oak Hall
Earnshaw, Jean Elizabeth, He.	<i>Fall River, Mass.</i> Colvin Hall
Eastman, Addie Louise, He.	<i>Bangor</i> Balentine Hall
Ellsworth, Earl Everett, Agr.	<i>Farmington</i> 204 Oak Hall
Emerson, Ralph Eugene, Arts	<i>Island Falls</i> 212 Oak Hall
Emerson, Robert Everett, Me.	<i>Bangor</i> 309 H. H. Hall
Emery, Doris Evelyn, He.	<i>Orono</i> 391 College Avenue
Erb, William Harold, Arts	<i>Brewer</i> 91 Holyoke Street, Brewer
Erlick, Preston Sumner, Me.	<i>Portland</i> 307 H. H. Hall
Erwin, Elmer Benjamin, Fy.	<i>East Rochester, N. Y.</i> 395 College Avenue
Eugley, Jenness Pearl, Eng.	<i>Lincolnville</i> 312 H. H. Hall
Evans, Earl Radford, Ch.Eng.	<i>Jackson Heights,</i> <i>L. I., N. Y.</i> 15 North Hall
Faulkner, George Annand, Jr., Arts	<i>Ellsworth</i> 208 Oak Hall
Fenderson, Ethel Margaret, He.	<i>Calais</i> Colvin Hall
Fish, Lincoln Ted, Jr., Eng.	<i>Jonesport</i> 15 North Hall
Flanagan, Charles Augustin, Me.	<i>Bangor</i> 207 Maple Street, Bangor
Flint, Eleanor Lois, He.	<i>Flagstaff</i> Colvin Hall
Folsom, Elmer Leslie, Agr.	<i>Cambridge</i> Farm Boarding House
Folsom, Thelma Louise, He.	<i>Cambridge</i> Balentine Hall
Forbus, Ruth Pauline, Arts	<i>Brighton</i> Balentine Hall
Foss, Kenneth Algret, Eng.	<i>Monmouth</i> 25 Grove Street
Foster, Charles Kirkpatric, Jr., Me.	<i>Ellsworth</i> 112 Oak Hall
Foster, Robert Earl, Agr.	<i>Farmington</i> 80 North Main Street
Foster, Stanley Elliott, Ch.Eng.	<i>Bucksport</i> 112 H. H. Hall
Fowler, Leslie Almon, Ch.Eng.	<i>Old Town</i> 263 Center Street, Old Town
Friedson, Eliot Lazarus, Arts	<i>Brookline, Mass.</i> 14 North Hall
Friar, Calvin, Ce.	<i>Fall River, Mass.</i> 310 H. H. Hall
Furbish, Charles Everett, Ch.Eng.	<i>Topsham</i> 402 H. H. Hall
Gammell, Lewis Waldo, Jr., Ee.	<i>Attleboro, Mass.</i> 103 H. H. Hall
Gardner, Camille Alfred, Agr.	<i>Auburn</i> University Cabin
Garland, George, Arts	<i>Tacoma, Wash.</i> 412 H. H. Hall

Gascoigne, Nancy Jane, Arts	<i>Rye, N. Y.</i>	Colvin Hall
Geary, Arthur LaFord, Arts	<i>Lewiston</i>	307 Oak Hall
Gent, Herbert Francis, Arts	<i>Medford, Mass.</i>	403 H. H. Hall
Gilbert, Jean Melicent, Arts	<i>Livermore Falls</i>	Balentine Hall
Gillespie, Henry Arthur, Arts	<i>Calais</i>	204 H. H. Hall
Gilman, Charles Boyd, Jr., Ch.Eng.	<i>Waterville</i>	109 Oak Hall
Gilman, Sidney Green, Ch.Eng.	<i>Waterville</i>	307 Oak Hall
Goldthwaite, Kenneth Ophir, Me.	<i>Biddeford</i>	27 North Hall
Goodell, Richard Alfred, Agr.	<i>Bangor</i>	210 H. H. Hall
Goodrich, Lynn Barkley Hampton, Ch.Eng.	<i>Auburn</i>	206 Oak Hall
Goodspeed, Natalie, Arts	<i>Augusta</i>	Colvin Hall
Gordon, Sherwood Francisco, Agr.	<i>Brooklyn, N. Y.</i>	80 North Main Street
Gould, Ralph Albert, Jr., Arts	<i>Auburn</i>	205 Oak Hall
Grass, Louis Byron, Agr.	<i>Mars Hill</i>	Park Street
Graves, Margaret Ann, He.	<i>Presque Isle</i>	Colvin Hall
Graves, Robert Alexander, Arts	<i>Presque Isle</i>	201 Oak Hall
Graves, Royal Sandford, III, Arts	<i>Lisbon Falls</i>	409 Oak Hall
Gray, Helen Wildella, Arts	<i>Stonington</i>	Balentine Hall
Gray, Priscilla Gene, Arts	<i>Bangor</i>	14 Holland Street, Bangor
Greeley, Elbridge Edwin, Agr.	<i>Belfast</i>	Park Street
Greenwood, Eileen, Me.	<i>Farmington</i>	20 Forest Avenue
Grindle, Donald Hugh, Ce.	<i>Bucksport</i>	College Avenue
Haines, Marie Louise, Arts	<i>Waterville</i>	Colvin Hall
Hale, Elliott Kidder, Jr., Arts	<i>Lisbon Falls</i>	101 H. H. Hall
Hall, Edward Coleman, Eng.	<i>Worcester, Mass.</i>	301 H. H. Hall
Hall, Robert Ames, Fy.	<i>Castine</i>	408 H. H. Hall
Ham, Merrill Turner, Ee.	<i>Augusta</i>	209 H. H. Hall
Hammond, Norman Carlton, Ee.	<i>South Portland</i>	301 Oak Hall
Hansen, George Edward, Jr., Ge.	<i>Worcester, Mass.</i>	109 H. H. Hall
Hansen, Ruth Margaret, He.	<i>Auburn</i>	The Elms
Hanson, Martha Louise, Arts	<i>Biddeford</i>	The Elms
Hanson, Robert Hallett, Arts	<i>Bangor</i>	396 French Street, Bangor
Hardy, Wadsworth, Howland, Ch.	<i>North Berwick</i>	102 H. H. Hall
Harmon, Raymond Hildreth, Ch.Eng.	<i>Caribou</i>	200 Stillwater Avenue, Old Town
Harris, Lawrence Lorain, Ch.Eng.	<i>Milford</i>	Davenport Street, Milford
Harris, William Decker, Fy.	<i>Skowhegan</i>	203 H. H. Hall
Harrison, Oliver Willard, Ch.Eng.	<i>Bucksport</i>	88 Park Street