

Bulletin of the
UNIVERSITY OF VERMONT
AND STATE AGRICULTURAL COLLEGE
===== BURLINGTON, VERMONT



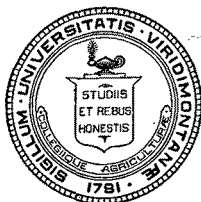
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1943

One Hundred Fifty-Second Year

CATALOGUE NUMBER 1942-1943
VOLUME XL NUMBER 3
WITH ANNOUNCEMENTS FOR 1943-1944

❧ BULLETIN OF THE ❧
UNIVERSITY OF VERMONT
AND STATE AGRICULTURAL COLLEGE
BURLINGTON - - - - VERMONT
VOLUME XL — MARCH, 1943 — NUMBER 3



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ANNOUNCEMENTS	1943-1944

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Contents

	PAGE
CALENDAR	5
UNIVERSITY CALENDAR	6
THE UNIVERSITY AND THE WAR	7-8
ADMINISTRATION	9-39
Board of Trustees	9-11
Officers of Instruction and Administration; Employees	11-28
Committees of the University Senate	28-29
Experiment Stations Staffs	29-32
Extension Service Staff	32-34
Summer Session Faculty, 1942	35-39
GENERAL INFORMATION	40-64
History	40
Buildings and Grounds	40-41
Dormitories	41-43
Expenses and Fees	43-49
Student Aid	49-50
Honors	50-51
Degrees	52
Graduate Study	53-56
University Extension	56-57
The Summer Session	57-58
Educational Conferences	58
Health, Physical Education, Athletics	58-59
Religious Life	59-60
Organizations	60-62
Miscellaneous Activities	62-63
Publications	63
Scholastic Reports	63-64
Grading System	64
ADMISSION	64-70
The Academic Colleges	64-67
Elementary Education Curriculum	67-69
Special and Unclassified Students	69
Preliminary Registration Program	69-70
Admission to Advanced Standing	70
Enrollment	70
CURRICULA AND COURSES OF INSTRUCTION	71-162
THE COLLEGE OF ARTS AND SCIENCES	73-126
Objective	73
Liberal Arts Curriculum	73-74
Pre-Professional Preparation (Medical Sciences, Law, Theology)	74-76
Business Curricula	76-78
Chemistry Curriculum	78-79
Education Curricula (Secondary Education, Elementary Education, Music Education, Industrial Education)	79-84
Courses of Instruction	84-126

	PAGE
THE COLLEGE OF ENGINEERING	126-139
The Engineering Curricula	126-128
Courses of Instruction	128-139
THE COLLEGE OF AGRICULTURE	139-153
The Curricula in Agriculture	139-141
The Curricula in Home Economics	142-143
Courses of Instruction	144-153
THE COLLEGE OF MEDICINE	154-157
Requirements for Admission	154-155
Outline of the Four-Year Curriculum	155-156
Clinical Facilities	157
Bulletin of the College of Medicine	157
DEPARTMENTS OF PHYSICAL EDUCATION	157-160
DEPARTMENT OF MILITARY SCIENCE AND TACTICS	160-162
THE REGISTER	
Graduate Students	164-166
Undergraduate Students	166-185
Summer Session Students, 1942	185-191
Students in Residence, 1942-43	191-194
Degrees Awarded, Honors, and Prizes, 1942	194-207
The Alumni Council	208-211
APPENDIX—Scholarships, Loan Funds, Prizes	212-224
GENERAL INDEX	225-227

Calendar

1943

JANUARY

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UNIVERSITY CALENDAR

1943

Wednesday, January 20.....	Registration.
Thursday, January 21.....	Second Semester Classes begin.
Wednesday, February 3.....	Closing date for change of studies.
Saturday, February 20.....	Wake Walk, University Holiday.
Thursday, April 1 to	
Monday, April 5 at 7.30 a.m.....	Spring Recess.
Saturday, May 8	
through Thursday, May 13.....	Final Examinations.
Monday, May 17.....	Commencement.

Following is the probable calendar for the summer and the next academic year, but the war emergency may make changes necessary.

SUMMER TERM, 1943

Monday, June 7.....	Enrollment.
Tuesday, June 8.....	Classes begin.
Monday, July 5.....	University Holiday.
Saturday, September 18 through	
Thursday, September 23.....	Final Examinations.

SUMMER SESSION, 1943: July 5 through August 13

FALL TERM, 1943-44

Thursday, September 30.....	Enrollment.
Friday, October 1.....	Classes begin.
Thursday, November 25.....	University Holiday.
Sunday, December 19	
through Sunday, January 2.....	Christmas Recess.
Tuesday, January 25	
through Saturday, January 29.....	Final Examinations.

SPRING TERM, 1944

Monday, January 31.....	Enrollment.
Tuesday, February 1.....	Classes begin.
Sunday, April 2 through	
Sunday, April 9.....	Easter Recess.
Friday, May 19 through	
Wednesday, May 24.....	Final Examinations

The University and the War

The Accelerated Program

For the students who, in the present emergency, wish to complete their college education in the shortest time possible, the University offers an accelerated program so arranged that students may finish the four academic years in three calendar years in most curricula. The College of Medicine is operating entirely on such a program, accepting new students at intervals of nine months (July, 1942, April, 1943, and February, 1944). The combination pre-medical and medical course may be completed in about five calendar years.

The Reserve Officers Training Corps

All male students in the undergraduate colleges must complete before graduation two years of basic training in Military Science. Qualified Juniors and Seniors may elect the advanced courses in Military Science and become eligible for commissions. A course in Medico-Military Science is available to medical students, preparing them for commissions as First Lieutenants.

For details about these courses see the Department of Military Science and Tactics, pages 161-162.

The Enlisted Reserves

The University was selected as one of the institutions equipped to render aid to the Armed Services. In the summer of 1942, the Army, Navy and Coast Guard, and Marine Corps joined in a plan for the Enlisted Reserve Corps of the Army. The plan is designed to obtain from the various colleges and universities material for future officers in the several branches of the service. A fixed quota of students in each class in the University who desire and are selected may enlist in the Reserve Corps of the Army, and continue their studies until called to active duty. At the time of enlistment each student chooses the branch of service he desires to enter, and when called to active duty he will be assigned to that branch. After a short period of fundamental training, he will be sent to an officer's school, and on satisfactory completion of the course there receive a commission in

the reserves. This plan supersedes the Naval V-1 Program projected for the University.

Northeast Airline Training School

The University is furnishing facilities for part of the activity of the Northeast Airlines in its ferry pilot training work for the government.

CIVILIAN PILOT TRAINING. The primary work of Civilian Pilot Training is being carried on, with a class of twenty entering every eight weeks in the elementary program, and a class of ten in the secondary training program.

Administration

THE BOARD OF TRUSTEES

THE UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE

JOHN SCHOFF MILLIS, Ph.D., LL.D.

President

His Excellency

Ex-Officio

WILLIAM HENRY WILLS, LL.D.

Governor

ON THE PART OF THE UNIVERSITY OF VERMONT

Elected

1941 *ARTHUR HENRY KEHOE, B.S.
4 Irving Pl., New York, N. Y.

1941 IRA MUNN BOARDMAN, B.S.
Burlington, Vt.

1941 FREDERICK WAYNE SHEPARDSON, B.S.
Burlington, Vt.

1942 GEORGE PERCIVAL AULD, A.B., LL.D.
10 Bedford St., Concord, Mass.

1942-44

1941 *WALTER ALDEN DANE, A.B.
73 Tremont St., Boston, Mass.

1941 LEVI PEASE SMITH, A.B.
Burlington, Vt.

1941 MAURICE LESLIE KELLEY
Barre, Vt.

1942 PEER PRESCOTT JOHNSON, M.D.
15 Washington St., Beverly, Mass.

1942-46

1941 FRANK EMERSON FARMER, M.D.
St. Johnsbury, Vt.

1941 HORACE HENRY POWERS, Ph.B.
St. Albans, Vt.

1941 JOSEPH BLAINE JOHNSON, B.S.
Springfield, Vt.

1942-48

* Resigned December 18, 1942.

ON THE PART OF THE STATE AGRICULTURAL COLLEGE

1941	ASA SCHOONMACKER BLOOMER, Ph.B. West Rutland, Vt.	} 1937-43
1941	SMITH SEELEY REYNOLDS Middlebury, Vt.	
1941	JAMES HERVEY MACOMBER, JR., A.B. Burlington, Vt.	
1937	DONALD ARTHUR HEMENWAY, B.S. 61 High St., Goffstown, N. H.	} 1939-45
1941	WALLACE MACFIE FAY Proctor, Vt.	
1941	CLEON ARTHUR PERKINS, B.S. Rutland, Vt.	
1929	THOMAS CHARLES CHENEY, A.B. Morrisville, Vt.	} 1941-47
1939	WILLIAM CHESTER WALKER, Ph.B. Cabot, Vt.	
1941	JAMES EDWARD MANAHAN St. Albans, Vt.	

Secretary of the Board—FREDERICK W. SHEPARDSON

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THOMAS C. CHENEY
ASA S. BLOOMER
MAURICE L. KELLEY

HORACE H. POWERS
FREDERICK W. SHEPARDSON
S. SEELEY REYNOLDS

Investment

CLEON A. PERKINS
WALLACE M. FAY

LEVI P. SMITH
THE PRESIDENT

Auditors

DONALD A. HEMENWAY
JAMES E. MANAHAN

I. MUNN BOARDMAN

Buildings and Grounds

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S. SEELEY REYNOLDS

JOSEPH B. JOHNSON
THE PRESIDENT

* Resigned December 18, 1942.

Education

*WALTER A. DANE
DR. FRANK E. FARMER
GOVERNOR WILLIAM H. WILLS

*ARTHUR H. KEHOE
WILLIAM C. WALKER
THE PRESIDENT

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JOHN S. MILLIS
THOMAS C. CHENEY
ASA S. BLOOMER
MAURICE L. KELLEY

HORACE H. POWERS
FREDERICK W. SHEPARDSON
S. SEELEY REYNOLDS

OFFICERS OF INSTRUCTION

Deans and Professors

(Arranged in order of seniority in the several academic grades)

JOHN SCHOFF MILLIS, Ph.D., LL.D. 204 S. Willard St.
President of the University

ELIJAH SWIFT, Ph.D. 415 S. Willard St.
Dean of the College of Arts and Sciences and Williams Professor of Mathematics

GEORGE FREDERICK ECKHARD, B.S., C.E. 178 Summit St.
Dean of the College of Engineering and Professor of Structural Engineering

CLARENCE HENRY BEECHER, M.D. 151 Robinson Pkwy.
Dean of the College of Medicine and Professor of Medicine

JOSEPH EDWARD CARRIGAN, A.M. 188 Loomis St.
Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Agricultural Extension Service

JOSEPH LAWRENCE HILLS, Sc.D. 59 No. Prospect St.
Dean Emeritus of the College of Agriculture

** JOHN BROOKS WHEELER, M.D., Sc.D.
Professor Emeritus of Surgery

BERTHA MAY TERRILL, A.M., Sc.D. 343 S. Prospect St.
Professor Emeritus of Home Economics

FRED KINNEY JACKSON, M.D. 466 S. Prospect St.
Professor Emeritus of Physiology in the College of Medicine

DAVID MARVIN, M.D. Essex Junction
Professor Emeritus of Pharmacology

EVAN THOMAS, B.S., D. Ed. 40 Robinson Pkwy.
Professor Emeritus of Mathematics and Mechanics in the College of Engineering

* Resigned Dec. 18, 1942.

** Deceased May 1, 1942.

GEORGE HOWARD BURROWS, Ph.D. Professor Emeritus of Chemistry	Wilmington, Del.
CHARLES FLAGG WHITNEY, M.D. Professor Emeritus of Physiological Chemistry and Toxicology in the College of Medicine	19 Kingsland Terr.
CHARLES FRANCIS DALTON, M.D. Professor Emeritus of Public Health	439 S. Willard St.
CHARLES KIMBALL JOHNSON, M.D. Professor Emeritus of Pediatrics	41 Henderson Terr.
CHARLES PERKINS MOAT, B.S. Assistant Professor Emeritus of Public Health	487 So. Willard St.
FREDERICK TUPPER, Ph.D., L.H.D., Litt.D. Professor of the English Language and Literature	179 N. Prospect St.
ELBRIDGE CHURCHILL JACOBS, A.M. Professor of Geology and Mineralogy; Curator of the Geological and Mineralogical Collections. In charge of the Seismograph Station	146 Williams St.
ARTHUR BECKWITH MYRICK, Ph.D. Professor of Romance Languages and Literatures	146 Summit St.
ASA RUSSELL GIFFORD, A.M. Professor of Intellectual and Moral Philosophy	119 N. Prospect St.
MARSHALL BAXTER CUMMINGS, Ph.D. Professor of Horticulture and Secretary of the Faculty of the College of Agriculture	230 Loomis St.
*BENJAMIN FRANKLIN LUTMAN, Ph.D. Professor of Plant Pathology	111 N. Prospect St.
GEORGE PLUMER BURNS, Ph.D. Professor of Botany	453 S. Willard St.
THOMAS STEPHEN BROWN, M.D. Professor of Medical Ethics and Medical Relationships; Superintendent of the Mary Fletcher Hospital	419 S. Prospect St.
HENRY FARNHAM PERKINS, Ph.D. Professor of Zoology; Director of the Robert Hull Fleming Museum	205 S. Prospect St.
GEORGE GORHAM GROAT, Ph.D. Professor of Economics	475 Main St.
HOWARD BOWMAN ELLENBERGER, Ph.D. Professor of Animal and Dairy Husbandry	55 Robinson Pkwy.
FRED DONALD CARPENTER, Ph.D. Professor of the German Language and Literature	28 Kingsland Terr.
BENNETT COOPER DOUGLASS, Ph.D. Professor of Education and Director of the Summer Session	122 Summit St.
ERNEST HIRAM BUTTLES, M.D. Professor of Pathology; Secretary of the Faculty of the College of Medicine	457 S. Willard St.

* Absent on leave, first semester, 1942-43.

Officers of Instruction

13

ARTHUR DEXTER BUTTERFIELD, D.Eng. Professor of Mathematics and Geodesy	25 Colchester Ave.
LYMAN ALLEN, M.D. Professor of Surgery	278 Main St.
HOWARD GORDON BENNETT, A.M. Professor of Music	448 S. Prospect St.
JAMES CHARLES O'NEIL, M.D. Professor of Psychiatry	Waterbury
LESTER MARSH PRINDLE, Ph.D. Professor of Classical Languages and Literatures	380 Maple St.
JAMES ATKINS BULLARD, Ph.D. Professor of Mechanics and Mathematics; Secretary of the Faculty of the College of Engineering	110 Summit St.
PAUL DEMUND EVANS, Ph.D. Professor of History	261 S. Prospect St.
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PAUL ROBERT MILLER, M.S. Professor of Agronomy	45 Robinson Pkwy.
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EDD RUTHVEN McKEE, M.S., E.E. Professor of Electrical Engineering	42 Henderson Ter.
ARTHUR BRADLEY SOULE, JR., M.D. Assistant Dean of the College of Medicine and Professor of Radiology	144 Ledge Rd.
HOVEY JORDAN, M.S., A.M. Professor of Histology and Embryology	449 S. Prospect St.
EMMUS GEORGE TWITCHELL, M.D. Professor of Ophthalmology, Otolaryngology, and Rhinology	88 S. Willard St.
HERBERT ASHLEY DUFFEE, M.D. Professor of Obstetrics	347 S. Union St.
OLIVER NEWELL EASTMAN, M.D. Professor of Gynecology	170 Spruce St.
JOHN TRUMBULL METCALF, Ph. D. Professor of Psychology	35 Kingsland Ter.
HAROLD BARNARD PIERCE, Ph.D. Professor of Physiological Chemistry in the College of Medicine	360 College St.
DANIEL BERNARD CARROLL, Ph.D. Professor of Political Science	460 S. Prospect St.
ERNEST OLIVER HERREID, Ph.D. Professor of Dairy Manufacturing	St. George (Burlington, R. F. D. 2)

* Absent on leave: Military Service.

- * HOWARD ANDERSON PRENTICE, Ed.D.
Professor of Physical Education for Men and Director of Athletics
32 Cliff St.
- WILLIAM GRAVES TOWNSEND, M.D.
Professor of Urology
140 E. 54th St.
New York, N. Y.
- EUGENE FREDERICK TRAUB, M.D.
Visiting Professor of Dermatology
146 Chestnut St.
Springfield, Mass.
- ADOLPHUS DUNCAN ROOD, M.D.
Visiting Professor of Bronchoscopy
371 Pearl St.
- FLORANCE BEESON KING, Ph.D.
Professor of Home Economics
- ** HARRY GAGE WYER, M.D.
Major, Medical Corps, U. S. Army (Retired)
Professor of Medico-Military Science
29 Adsit Ct.
- DONALD HORACE SLAUGHTER, M.D.
Professor of Pharmacology and Physiology
52 N. Prospect St.
- WELLINGTON ESTEY AIKEN, A.M.
Professor of English
173 DeForest Rd.
- CHARLES ERNEST BRAUN, Ph.D.
Professor of Organic Chemistry
120 Ledge Rd.
- ALBERT GEORGE MACKAY, M.D.
Professor of Surgery
Waterman Bldg.
- CHARLES EUGENE FOGG, M.D.
Lieut. Col., U. S. Army
Professor of Medico-Military Science
58 East 65th St.
New York City
- DAVID MARSH BOSWORTH, M.D.
Visiting Professor of Orthopedic Surgery

Associate Professors

- ROY ORVILLE BUCHANAN, B.S.
Associate Professor of Electrical Engineering
23 Hillcrest Rd.
- JOHN BELLOW'S DEFOREST, Ph.D.
Associate Professor of Romance Languages
327 S. Prospect St.
- GEORGE DYKHUIZEN, Ph.D.
Associate Professor of Philosophy
350 S. Prospect St.
- JULIAN IRA LINDSAY, A.M.
Associate Professor of English
292 S. Prospect St.
- GEORGE VINCENT KIDDER, Ph.D.
Associate Professor of Classical Languages and Literatures; Secretary of the Faculty of the College of Arts and Sciences
206 Summit St.
- LELAND LAWRENCE BRIGGS, M.B.A.
Associate Professor of Economics
13 Bay View St.

* Absent on leave: Military Service.

** Transferred Oct. 10, 1942.

Officers of Instruction

15

ELEANOR STENSON CUMMINGS, A.B. Associate Professor of Physical Education for Women	153 S. Prospect St.
ELEAZER JOHNSON DOLE, Ph.D. Associate Professor of Botany	433 S. Prospect St.
*PAUL KENDRICK FRENCH, M.D. Associate Professor of Clinical Medicine	
PAUL AMOS MOODY, Ph.D. Associate Professor of Zoology and Director of Graduate Study	197 Howard St.
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NELSON LEE WALBRIDGE, Ph.D. Associate Professor of Physics	1334 North Ave.
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NATHANIEL NEWTON ALLEN, Ph.D. Associate Professor of Animal and Dairy Husbandry	240 Loomis St.
ROY EDWARD CORLEY, M.D. Associate Professor of Pediatrics	65 Pine St.

* Military leave.

** Absent on leave: Military Service.

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GENNETTE CLAIRE DAVIS, A.M. Assistant Professor of Economics (Secretarial)	151 S. Prospect St.
HOWARD GUY MILLINGTON, C.E. Assistant Professor of Mathematics in the College of Engineering	225 Plattsburg Ave.
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FLORENCE EMILY BAILEY, M.S. Assistant Professor of Home Economics	54 S. Willard St.
† FRED WALTER HOUSEHOLDER, A.M. Assistant Professor of Mathematics	
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JAMES EUGENE POOLEY, A.M. Assistant Professor of Classical Languages and History	9 Handy Ct.
‡ GRACE BURWASH, A.M. Assistant Professor of Home Economics	
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GENO BLAISE LUCARINI, B.S. Assistant Professor of Mechanical Engineering	324 Main St.
EDWARD JAMES ROGERS, M.D. Assistant Professor of Clinical Medicine	Pittsford
LLOYD ABRAM WOODWARD, M.S. Assistant Professor of Physics	82 Henry St.
LEON W. DEAN, A.B. Assistant Professor of English	308 S. Prospect St.
* WALFORD TUPPER REES, M.D. Assistant Professor of Surgery	

* Military leave.

† Resigned October 27, 1942.

‡ Resigned September 21, 1942.

Officers of Instruction

17

BENJAMIN DYER ADAMS, M.D. Assistant Professor of Surgery	207 S. Union St.
RAYMOND AVERY HALL, A.M. Assistant Professor of English	12 Overlake Pk.
GEORGE HUBERT NICHOLSON, A.M. Assistant Professor of Mathematics	33 Prospect Hill
ROLAND FREEMAN DOANE, A.M. Assistant Professor of Romance Languages	4 Cedar Lane
BENJAMIN BOOTH WAINWRIGHT, A.M. Assistant Professor of English	20 Hungerford St.
MYRON ELLIS WITHAM, C.E. Assistant Professor of Mathematics	41 S. Prospect St.
ELIZABETH VANDERPOOL COLBURN, A.M. Assistant Professor of Education (Art)	187 Loomis St.
LAURENCE FORREST SHOREY, M.S. Assistant Professor of Electrical Engineering	60 University Ter.
CHARLES GEORGE DOLL, A.M. Assistant Professor of Geology and Mineralogy; Assistant Curator of the Geological Collections	31 S. Prospect St.
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ARTHUR LEO LARNER, M.D. Assistant Professor of Otolaryngology and Rhinology, and Clinical Instructor in Ophthalmology	337 College St.
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WALTER ALVA STULTZ, Ph.D. Assistant Professor of Anatomy	16 Prospect Hill

* Resigned Sept. 18, 1942.

** Absent on leave: Military Service.

† Resigned November 1, 1942.

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Major, U. S. Army 128 Summit St.
Assistant Professor of Military Science and Tactics

* Military leave.

** Absent on leave: Military Service.

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* Military leave.

** Appointed January 1, 1943.

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* Absent on leave, 1942-43.

** Military leave.

† Resigned October 10, 1942.

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* Military leave.	

** Temporarily replaced by D. C. Henderson.

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ANDREW JOHN LANDA Sergeant, U. S. Army Instructor in Military Science and Tactics	Richmond
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† HENRY CLAY SMITH, Ph.D. Instructor in Psychology	130 Robinson Pkwy.
ROBERT BASCOM AIKEN, M.D. Instructor in Industrial Hygiene	88 Robinson Pkwy.
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WILLIAM HALLER, JR., M.A. Instructor in Economics	125 Staniford Rd.
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ROBERT COLLIER NEWTON, Ph.D. Instructor in Chemistry	Spear St. South Burlington
RANSOM ORCUTT SLACK, B.S. Instructor in Animal and Dairy Husbandry	57 Harrington Ter.
BETTY FLANDERS THOMSON, M.A. Instructor in Botany	151 S. Prospect St.
JULIAN PETER MAES, M.D. Instructor in Pharmacology and Physiology	33 Henderson Ter.
MARION HUNTINGTON BROWN, B.S. Instructor in Home Economics	230 S. Union St.
CHARLES FRANCIS PARKER 1st Sgt. U. S. Army Instructor in Military Science and Tactics	Mayfair Park South Burlington

* Resigned October 26, 1942.

** Military Leave.

† Resigned Jan. 20, 1943

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* Military leave.

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174 Pearl St.

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CHARLES CONRAD LARSON, B.S.
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Lecturer in Medical Jurisprudence

360 Main St.

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Lecturer in Oral Hygiene and Dental Medicine

79 S. Willard St.

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* Military leave.

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 ARTHUR PIERRE COUTURE, A.M.
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 Winooski
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* Military leave.	

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Spear St.
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322 Pearl St.

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* Absent on leave: Military Service.

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OSMAN MYRON CAMBURN, M.S.	26 Robinson Pkwy.
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* Absent on leave: Military service.

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South Burlington

Plant Pathology

BENJAMIN FRANKLIN LUTMAN, Ph.D.
Plant Pathologist

111 N. Prospect St.

*WINONA EMYLE STONE, M.S.
Assistant Plant Pathologist

KENNETH EVERSON VARNEY, B.S.
Research Fellow

5 School St.

Regulatory Service

LEWELL SETH WALKER, B.S.
EUGENE FIELD BOYCE, B.S.
Chemists

395 College St.
Spear St.
South Burlington

MRS. ANNA SHEPARD LUTMAN, Ph.B.
Seed Analyst

111 N. Prospect St.

ENGINEERING EXPERIMENT STATION STAFF

Administration

JOHN SCHOFF MILLIS, Ph.D., LL.D.
President

204 S. Willard St.

GEORGE FREDERICK ECKHARD, B.S., C.E.
Director

178 Summit St.

PROCTOR H. PAGE
Acting Treasurer

100 DeForest Rd.

MRS. ETHEL A. HARRINGTON
Secretary

205 S. Winooski Ave.

Civil Engineering

LOUIS BLACKMER PUFFER, C.E.

176 Loomis St.

Electrical Engineering

EDD RUTHVEN McKEE, M.S., E.E.

42 Henderson Ter.

* Absent on leave, 1942-43.

Mechanical Engineering

ROBERT GORHAM CHAPMAN, M.M.E.

58 Ledge Rd.

EXTENSION SERVICE STAFF

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JOHN SCHOFF MILLIS, Ph.D., LL.D. President	204 S. Willard St.
JOSEPH LAWRENCE HILLS, B.S., ScD. Director Emeritus	59 N. Prospect St.
JOSEPH EDWARD CARRIGAN, A.M. Director	188 Loomis St.
HARRY ROSS VARNEY, Ph.D. Assistant Director	502 North St.
HARRIS WELLS SOULE, B.S. County Agent Leader	308 Main St.
ELWIN LEROY INGALLS, A.B. State Club Leader	144 S. Willard St.
FRANK CLINTON ESSICK, B.S.	134 Summit St.
MRS. RUTH WHITE TOWNSEND, B.S. Assistant State Club Leaders	Williston Rd. South Burlington
MARJORIE ELLINWOOD LUCE, B.S. State Home Demonstration Leader	230 S. Union St.
HARRY PERRY MILEHAM, B.S. Editor	Essex Junction
MRS. VONDA WOLCOTT BERGMAN Assistant Editor	1241 North Avenue
IRENE ELLEN ALLEN, Ph.B. Fiscal Assistant	240 S. Prospect St.
*LEROY JAMES DOPP, Jr. Administrative Clerk	
**MRS. KATHARINE E. DOPP Administrative Clerk	10 Lafayette Pl.

Specialists

ROY STANLEY BECK, Ph.D. (Acting) Agricultural Economics	87 Mansfield Ave.
ROBERT POWERS DAVISON, B.S. (Assistant) Agricultural Economics	Essex Jct.

* Absent on leave (War Service).

** On temporary basis.

Officers of Instruction

33

*RALPH HAWTHORNE GRANGER, M.S. Agricultural Engineering	180 Howard St.
PAUL ROBERT MILLER, M.S. Agronomy and Soil Conservation	45 Robinson Pkwy.
LESTER HURLIN SMITH, M.S. (Assistant) Agronomy	62 Henry St.
DAVID AUGUSTINE WALKER, D.V.M. Animal Pathology	Morrisville
EDNA ELLA SOMMERFELD, B.S. Clothing	342 Pearl St.
EDWARD HILDRETH LOVELAND, A.M. Dairy Husbandry	101 Henry St.
RALPH FREDERICK EVANS, B.S. (Assistant) Dairyman	97 Robinson Pkwy.
GEORGE WILBUR COBURN TURNER, M.F. Forestry	166 East Ave.
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CHARLES HUGO BLASBERG, M.S. Horticulture	120 Robinson Pkwy.
LOUISE MAY STOLLBERG, A.M.	216 S. Willard St.
DONALD CEDRIC HENDERSON, M.S. Poultry Husbandry	55 University Ter.

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GORDON HORATIO GATES, B.S. Orange County	Chelsea

* On temporary basis.

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ROY ALLEN BURROUGHS, B.S. Rutland County	Rutland
WILLIAM GORDON LOVELESS, M.S. Washington County	Montpelier
EDMUND MORTON ROOT, B.S. Windham County	Brattleboro
*EDWARD JAY COOK, B.S.	
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ALICE ELIZABETH WHITNEY, B.S. Orleans County	Newport
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FLORA ELIZABETH PERLEY, BS. Washington County	Montpelier
FRANCES EMMA CLARK, B.S. Windham County	Brattleboro
MRS. JENNIE ARMSTRONG HALL, B.S. Windsor County	Woodstock

County Club Agents

LOUISE SIGOURNEY BULLARD, B.S. Addison County	Middlebury
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* Absent on leave (War Service).

** On temporary basis.

Officers of Instruction

35

MARION HARDY, A.B.	Bennington
Bennington County	
FRANCES ELIZABETH STAPLES, B.S.	St. Johnsbury
Caledonia County	
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Chittenden County	Burlington
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Franklin County	
MRS. NORMA ELISABETH WAKEFIELD, B.S.	Morrisville
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EDWIN EMIL BERGSTROM	Rutland
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BRUCE ROBERT BUCHANAN, B.S.	Brattleboro
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The Summer Session, 1942

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Director of the Summer Session
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HELEN B. SHATTUCK, A.B.
Librarian
MARY R. BATES, Ph.B.
Associate Librarian
HELEN NICHOLS, B.S.
Dietitian
JANE ALLEN, B.S.
Secretary

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Assistant Professor of Education

WELLINGTON E. AIKEN, A.M.

Associate Professor of English

MICHAEL ANSELMO

Instructor in Violin

HERBERT P. BARNETT

Art Director, Worcester Art Museum

HOWARD G. BENNETT, A.M.

Professor of Music

CHARLES E. BRAUN, Ph.D.

Associate Professor of Organic Chemistry

JAMES A. BULLARD, Ph.D.

Professor of Mechanics and Mathematics

ARTHUR D. BUTTERFIELD, M.S., A.M.

Professor of Mathematics and Geodesy

PHILLIPS D. CARLETON, A.M.

Assistant Professor of English

FRED D. CARPENTER, Ph.D.

Professor of German

DANIEL B. CARROLL, Ph.D.

Associate Professor of Political Science

ELIZABETH V. COLBURN, A.M.

Assistant Professor of Education (Art)

REX M. COLLIER, Ph.D.

Assistant Professor of Psychology

GENNETTE C. DAVIS, A.M.

Assistant Professor of Economics (Secretarial)

LEON W. DEAN, A.B.

Assistant Professor of English

JOHN B. DEFOREST, Ph.D.

Associate Professor of Romance Languages

ELEAZER J. DOLE, Ph.D.

Associate Professor of Botany

GEORGE DYHUIZEN, Ph.D.

Associate Professor of Philosophy

PAUL D. EVANS, Ph.D.

Professor of History

FLORENCE E. FISHER

Demonstration Teacher, Grades 1 and 2

SHERMAN P. FOGG, B.S.

Instructor in Physical Education

- W. LAWRENCE GARDNER, B.S.
Assistant Professor of Physical Education
- RALPH H. GRANGER, M.S.
Instructor in Poultry Husbandry and Farm Mechanics
- WALLACE E. GREEN, A.M.
Instructor in French; Demonstration High School
- GEORGE G. GROAT, Ph.D.
Professor of Economics
- RAYMOND A. HALL, A.M.
Assistant Professor of English
- SARA M. HOLBROOK, A.M.
Assistant Professor of Education
- GEORGE V. KIDDER, A.B., Oxon., Ph.D.
Associate Professor of Greek and Latin and Director of Recreation
- FLORANCE B. KING, Ph.D.
Professor of Home Economics
- LOIS J. KING, Ed.B.
Demonstration Teacher, Grades 5 and 6, State Teachers' College, New Haven, Conn.
- BENJAMIN LADD, A.M.
Assistant Professor of German
- RICHARD LEONARD, Ph.D.
Instructor in History
- EDGAR E. LINEKEN, M.S.
Assistant Professor of Chemistry
- ESTHER MCGINNIS, Ph.D.
Professor of Family Life, Buffalo State Teachers College, N. Y.
- HELEN E. MADDEN, B.S.
Instructor in Arithmetic, Demonstration High School
- RICHARD M. MARBLE, M.F.
Instructor in Zoology
- MIRIAM N. MARSTON, A.M.
Instructor in Music (Piano and Organ)
- JOHN T. METCALF, Ph.D.
Professor of Psychology
- ISABEL CLARK MILLS, A.M.
Instructor in Art
- PAUL A. MOODY, Ph.D.
Associate Professor of Zoology
- ELIZABETH W. MORRILL, A.M.
Director Peter Pan Nursery School, Burlington
- MAURICE MORRILL, B.S.
Instructor in Applied Economics
- EUGENE E. MYERS, A.M.
Head of Art Department, Teachers College, Mayville, N. D.

- ARTHUR B. MYRICK, Ph.D.
Professor of Romance Languages
- HELENE NICHOLS, A.M.
Special Teacher and Consultant in Elementary Science, Manhasset, N. Y.
- GEORGE H. NICHOLSON, A.M.
Assistant Professor of Mathematics
- ANDREW E. NUQUIST, Ph.D.
Assistant Professor of Political Science
- IPPOCRATES PAPPOUTSAKIS, Mus.B.
Instructor in Music
- VERNA E. PARKER, A.M.
Instructor in Education
- HERBERT D. PEARL, A.M.
Principal, Burlington High School
- JOHN PEIRCE
Professor of Music, Vassar College
- MARJORIE L. PERRIN, A.B.
Instructor in Latin, Demonstration High School
- JAMES E. POOLEY, A.M.
Assistant Professor of Greek and Latin
- KATHLEEN PORT
Instructor in Physical Education
- ARCHIBALD T. POST, B.S.
Assistant Professor of Physical Education
- LOUISE H. REYNOLDS, A.M.
Teacher of English, Demonstration High School
- LYMAN S. ROWELL, M.S.
Assistant Professor of Zoology
- ELLEN P. SAUNDERS, B.S.
Teacher of Typewriting, Demonstration High School
- JOHN F. SCULLY, M.Pd.
Special Lecturer in Education, Boston University
- AMORY D. SEAVER, Ed.M.
Principal, Middlebury High School, Demonstration High School Teacher
- KENNETH SHOPEN
Instructor in Advanced Painting, Chicago Art Institute
- HOLLAND L. SMITH, B.S.
Head of Social Science Department, Burlington High School
- WILLIAM A. SMITH, Ph.D.
Assistant Professor of Rural Education, Cornell University
- MARY B. SULLIVAN, A.M.
Instructor in Elementary Education
- ELEANOR SUTCLIFFE
Demonstration Teacher, Grades 3 and 4, Springfield, Mass.

RANDOLPH S. TOWNE, A.M.

Assistant Professor of French and Spanish

G. MAYNARD TRAFTON, B.S., C.E.

Assistant Professor of Industrial Education

FREDERICK TUPPER, Ph.D.

Professor of English

WORCESTER WARREN, Ph.D.

Instructor in Education; Formerly Superintendent of Schools, Bridgeport, Conn.

GEORGE E. WEBSTER, B.S.

Assistant to Supervisor of Agricultural Education

ARTHUR E. WINKLER, M.F.A.

Department of Drama, Yale University

MYRON E. WITHAM, C.E.

Assistant Professor of Mathematics

FLORENCE M. WOODARD, Ph.D.

Associate Professor of Economics

LLOYD A. WOODWARD, M.S.

Assistant Professor of Physics

General Information

HISTORY

The University owes its foundation to Ira Allen, who gave four thousand pounds to help establish a university in Burlington. He had aided more than any other one man in forming the State and in preserving its integrity through the troubled years preceding its admission to the Union. In 1791 the first General Assembly of the new State granted the charter for the University. Instruction was begun by the first president, Daniel C. Sanders, in 1800 and four years later the first class was graduated. In 1872 women were first admitted.

The Hon. Justin S. Morrill, Representative and later Senator from Vermont, sponsored the Morrill Land Grant Act of 1862, which provided for colleges to teach Agriculture and the Mechanic Arts. Under this act the Legislature chartered the Vermont Agricultural College in 1864, then the two corporations were joined by mutual agreement in a new corporation, the University of Vermont and State Agricultural College. Four-year courses in Agriculture and in Home Economics were offered in the College of Agriculture, and later the Experiment Station and Extension Service were established by the Legislature. Courses in Civil Engineering were first given in 1829, then four-year curricula in Civil, Electrical, and Mechanical Engineering followed.

The study of Medicine began with the appointment in 1804 of a lecturer in Chirurgery and Anatomy, and a full course of Medical Lectures was offered in 1822 by the cooperation of an association of doctors and the University. From this developed the Medical College, which was finally taken completely into the University in 1908. Since 1920 women have been admitted to this college.

BUILDINGS AND GROUNDS

The grounds of the University at present include the main campus of about seventy-five acres, on which most of the academic and administrative buildings are located around the large "College Green," the women's residential campus to the south of about one hundred acres, Centennial Athletic Field of eleven acres, the University Farm for experimental and research projects, containing three hundred acres, and a Research Forest of more than three hundred acres in Jericho.

The buildings owned and occupied by the University for various purposes are valued at a total of over three and a half million dollars. They include the following:

Ira Allen Chapel, named for the founder and given by the late James B. Wilbur of Manchester, Vt.,

Billings Library, gift of the late Frederick Billings of Woodstock,
Robert Hull Fleming Museum, given by James B. Wilbur, Miss Katherine Wolcott, niece of Mr. Fleming, and six other friends of the University,

Williams Science Hall, the gift of Dr. Edward H. Williams of Philadelphia,

Morrill Hall, erected by the State in honor of Justin S. Morrill,

Slade Hall, the gift of Mrs. William Gerry Slade,

Mabel Louise Southwick Memorial, women's activity building, given in honor of Miss Southwick, and

Waterman Memorial, built from the large estate given the University by the late Hon. Charles W. Waterman of Denver, Col.,

Engineering Building,

Art Center, formerly the Park Gallery of Art and more recently the

Engineering Annex, offering facilities for expanded activity in Art,
Old College Building,

Gymnasium,

Medical College,

Music House,

Eight dormitories, for men and women.

DORMITORY FOR MEN

CONVERSE HALL (*Erected 1895*)

Converse Hall Dormitory is built on the crest of an elevation east of the College Row. The three sections of the building enclose three sides of a court which opens to the west.

The hall was the gift of the late John Heman Converse and is constructed in the Collegiate-Gothic style, of blue Rutland marble. The three sections contain suites for the accommodation of about eighty men.

For the duration of the war North and Middle Converse has been assigned for government use in the war effort to house students receiving aviation training.

South Converse Hall is open to all male students who are regularly enrolled in the University. It is particularly recommended to the men of the freshman class. Each study is provided with book case, table and chairs and each sleeping room is supplied with chiffonier, single beds, wire springs, mattresses and pillows, the student himself supplying blankets and linen.

Students making the dormitory their home are expected to comply with the institutional regulations. The building is in charge of a custodian and his wife who acts as matron of the dormitory. The University regulations, which are principles rather than rules, are carried out by the student occupants under the guidance of a group of upperclassmen selected as advisers.

WOMEN'S DORMITORIES AND DINING HALLS

All women students enrolled in undergraduate courses are required to procure rooms approved by the University. Applications should be made early to the Dean of Women. Rooms in college dormitories are rented for the entire year. An initial payment of five dollars is required to make an advance reservation. This is applied later on the room rental. Dormitory rooms are not supplied with bed linen (except mattress pads) or blankets, rugs, window curtains or easy chairs. College houses open on the Monday preceding enrollment and students should not plan to come to the dormitories before that time.

Rooms in college dormitories are rented for the entire year. The prices are uniform in all dormitories. Double rooms are \$135 per year per occupant, single rooms \$175. Students living in college owned dormitories board at the Waterman Dining Hall or Robinson Hall. The price for board is \$137.50 per semester, payable in October and February.

There are four Cooperative Houses, owned by the University, where for a selected group expense for board can be reduced by carefully planned, low-cost meals, prepared and served under the supervision of the House Director. Students are selected on the basis of character, scholarship, and relative need.

Those who cannot be accommodated in the dormitories will be assigned rooms in approved private house, which are supervised by the University.

No final choice of rooms may be made without the approval of the Dean of Women. Enrollment is not permitted until this approval has been given.

Following is a list of the dormitories, with the number accommodated in each given in parentheses:

University owned dormitories:

Redstone (33), Robinson Hall (24), and Slade Hall (24), on the Redstone Campus,

Grassmount (25), 411 Main Street,

Roberts House (18), 232 So. Willard Street.

Privately owned dormitories under University direction, with dining service in each house:

Elmwood Hall (19), 203 So. Willard Street,
McCormick House (14), 83 No. Willard Street,
Warner House (17), 96 Colchester Avenue.

Cooperative Houses:

Allen House (26), 461 Main Street,
Claggett House (19), 301 So. Willard Street,
Dresser Cottage (8), 49 Mansfield Avenue,
Sanders Hall (20), 369 College Street.

THE INFIRMARY

An Infirmary for women students, isolated from the dormitory, is maintained in Robinson Hall. A resident practical nurse is in constant attendance. The infirmary is prepared to take care of lighter cases of illness only. Two modern well equipped hospitals are located very close to the campus. For girls living in college dormitories no charge is made. For those living outside a nominal fee of seventy-five cents a day for room, board, and attendance is charged.

EXPENSES AND FEES

SUMMARY OF EXPENSES FOR THE YEAR IN THE ACADEMIC COLLEGES

Registration Fee (new students only)	\$ 5.00
Tuition (for exception, see below)	350.00
Student Activity Fee	35.00
Textbooks and supplies	\$ 25.00 to 35.00
Laboratory Fees	None to 25.00
Room Rent in Dormitories	135.00 or 175.00
Board in Dining Halls	about 275.00
Average total	about \$850.00

REGISTRATION FEE. This fee of five dollars is required of all new regular session applicants, upon acceptance for admission and, in the case of women, approval of rooming arrangements. Advance payments will be refunded to applicants who are not accepted. No refunds will be made to those who are accepted but do not enroll.

TUITION FEES. A tuition fee of \$175 is due and payable at the opening of each semester in the College of Agriculture and the College of Engineering, and in all curricula in the College of Arts and Sciences except the Secretarial and Commercial Teaching Curricula. These two curricula require special courses, not open to others, and the semester charge of

\$17.50 for this specialized training makes the total tuition \$192.50 each semester. For partial enrollment in the College of Arts and Sciences the charge is \$11.75 per semester hour.

THE DEPARTMENT OF EDUCATION

Vermont students who are enrolled in the Elementary Education curriculum receive an annual tuition credit of two hundred dollars (\$200) from the State Board of Education and a special scholarship from the University of one hundred fifty dollars (\$150), provided an agreement is signed to teach in the State of Vermont one year for each year those scholarships are accepted. Non-residents who sign the same agreement may be enrolled to fill the quota of one hundred sixty-five students. They will receive a State scholarship credit of two hundred dollars (\$200) for the year, making the tuition seventy-five dollars (\$75) for each semester.

THE MUSIC EDUCATION CURRICULUM

Students who enroll in the Music Education curriculum after September 1, 1941, will be liable for tuition of \$175 per semester since State Elementary Education Scholarships are no longer available. These students are, however, eligible for endowed and special scholarships for which application must be made annually. Vermont students who were enrolled in this curriculum as regular full-time students in Music Education during the college year 1940-1941 will receive State and University aid amounting to the full tuition charge during the normal number of college years necessary to complete the requirements for the degree. No such scholarships will be available after the college year 1943-1944.

STUDENT ACTIVITY FEES

All classified students in the College of Arts and Sciences, the College of Engineering and the College of Agriculture pay at the opening of each year for the ensuing college year a fee of thirty-five dollars (\$35), which is apportioned for the support of all recognized student activities in these colleges. The fee is also charged to those first-year medical students who have entered that college on the minimum preparation of three years in the College of Arts and Sciences of the University, unless four payments of the fee have been previously made. The Osler Club Fee of three dollars and fifty cents (\$3.50) is payable annually at the opening of college for the ensuing college year by all students in the College of Medicine. The Osler Fee is derived from the Student Activity Fee for those first-year medical students who are liable for the academic Student Activity Fee. This fee covers athletics, with free admission to home games, class and year-book

taxes, subscriptions to the University newspaper, and the support of recognized student organizations and activities.

LABORATORY, STUDIO AND PRACTICE TEACHING FEES

The following schedule of fees applies to students who enroll in these courses. They represent a partial payment of the cost of supplies and materials consumed, depreciation and replacement of apparatus, and the expense of providing the special facilities incident to the courses. Bills are sent out in October and February for the current semester.

SUBJECTS	1ST HF.	2ND HF.
Agriculture:		
Agronomy 1	\$ 2.50	\$ 2.50
Agronomy 2	2.50	.....
Animal and Dairy Husbandry 8, 11, 13, each	2.50	.....
Animal and Dairy Husbandry 9, 10, 12, 14, 15, each .....	.....	2.50
Poultry Husbandry 1 .....	.....	2.50
Poultry Husbandry 2	2.50	.....
Agricultural Education 5, either 1st or 2nd half	10.00	.....
Agricultural Education 10 .....	.....	2.50
Agricultural Engineering 1	2.50	.....
Agricultural Engineering 2	2.50	.....
Art 1 (Elementary Education 338)	1.00	1.00
Art (Applied Art 1 and 2) each	1.00	1.00
Art (Free Hand Drawing)	1.00	1.00
Botany 1 .....	.....	2.50
Botany 2, 3, 4, each	2.50	2.50
Botany 5	2.50	.....
Botany 6 (Morphology)	2.50	2.50
Botany 7 (Seed Plants) .....	.....	2.50
Botany 8 (Cytology) either Semester	10.00	10.00
Botany 10 (Pathology)	2.50	.....
Botany 11, 12, 13, each	5.00	.....
Botany 14 and Zoology 14	2.00	2.00
Botany 109	5.00	5.00
Chemistry 1, 22	5.00	5.00
Chemistry 2 (Qualitative)	5.00	.....
Chemistry 3 (Quantitative) and Chemistry 5	5.00	5.00
Chemistry 4 (Adv. Quantitative)	5.00	5.00
Chemistry 105 (Physical)	5.00	5.00
Chemistry 10 (Elementary Organic)	5.00	5.00
Chemistry 112 (Advanced Organic)	10.00	10.00

SUBJECTS	1ST HF.	2ND HF.
Chemistry 15 (Agricultural)		5.00
Chemistry 19 (Home Economics Organic)	5.00	
Chemistry 20 (Foods)		7.50
Chemistry 24 (Biochemistry)	7.50	
Economics 63 (Practice Teaching)		10.00
Education 8 (Practice Teaching)		10.00
Education 9 (Measurements)	2.00	
Education 10 (Measurements)		2.00
Elementary Education Observation Fee for Students taking Education 321, 322, 324, or 325	1.00	1.00
Elementary Education 332 (Practice Teaching)	2.00	2.00
Elementary Education 337 (Art)	1.00	1.00
Elementary Education 338 (Art)	1.00	1.00
Elementary Education 339 (Practice Teaching)	2.00	2.00
Elementary Education 340 (Industrial Arts)	1.00	1.00
Engineering Courses per laboratory hour	2.50	2.50
Genetics	2.00	
Geology 1	2.50	2.50
Geology 3	2.50	
Geology 4	2.50	2.50
Geology 6	5.00	5.00
Geology 7	2.50	
Geology 8		2.50
Geology 108	5.00	5.00
Home Economics:		
Clothing and Textiles 11, 21, 32, 40	2.50	
Clothing and Textiles 20, 30, 41, 42		2.50
Home Economics Education 41, either semester	10.00	
Food and Nutrition 20	5.00	5.00
Food and Nutrition 30	5.00	
Food and Nutrition 32, 40		5.00
Food and Nutrition 42	2.50	
Horticulture 1, 2, 4	2.50	
Horticulture 5		2.50
Mineralogy 1	3.00	
Physics 1, 102, 104, 105, 106, 107, 108	5.00	5.00
Shop Practice, per laboratory hour	2.50	2.50
Zoology 1		4.00
Zoology 2	4.00	4.00
Zoology 3	4.00	
Zoology 4		4.00

SUBJECTS	1ST HF.	2ND HF.
Zoology 5 (Ecology)	2.50	2.50
Zoology 6 (Comparative Anatomy)	5.00	5.00
Zoology 7 (Embryology) either Semester	4.00	4.00
Zoology 8 (Entomology)		2.50
Zoology 14 and Botany 14	2.00	2.00
Zoology 15		2.50
Zoology 106 (Primate Anatomy)	announced annually	

ROOM AND BOARD FOR MEN

The rental charge, including heat, light, and janitor service, for rooms in Converse Hall is \$135 per year for each occupant in double suites, and \$175 per year for single suites. A five dollar deposit is required for assignment, the balance of the yearly rate being billed in equal amounts in October and February. Suites are rented for the college year, and students who engage quarters and enroll in college are liable for the rental if they remain in college during the year. The room rent is pro-rated to students who leave the University during the year.

The Waterman Building Student Union and Cafeteria provides dining and recreational services for students. Board is available in itemized combinations which are equivalent to table board at about seven dollars per week.

ROOM AND BOARD FOR WOMEN

In all dormitories, double rooms are \$135 per year for each occupant, single rooms \$175. An advance payment of five dollars is required to reserve a room, and is applied later on the room rental.

Students in college dormitories board at the dining-room in the Waterman Building or Robinson Hall. The first meal of the college year is dinner at six o'clock on the Monday preceding enrollment. The price for board for the year is \$275, payable in two equal amounts in October and February.

DEGREE FEES

The fee for the Baccalaureate Degree, payable just prior to graduation, is ten dollars (\$10.00); for the Master's Degree, the technical Degrees of C.E., E.E. or M.E., and the Doctor's Degree the charge is twenty-five dollars (\$25.00).

SPECIAL FEES

MILITARY FEE. Freshman men are required to pay a military fee, which varies somewhat from year to year. The current fee is six dollars.

COLLEGE OF ENGINEERING. A fee of \$15.00 a session is charged for the Engineering Summer Camps. For the special course in Solid Geometry, which is required only of students not presenting this subject for entrance but may be recommended to others, there is a fee of \$10.00.

APPLIED MUSIC FEES

PIANO, ORGAN, VIOLIN AND SINGING

One lesson a week	\$35.00 per semester
Two lessons a week	60.00 per semester
Use of practice room and piano one hour a day	5.00 per semester
Use of organ one hour a day	25.00 per semester
Class lessons in diction for singers, one hour a week	15.00 per semester

Private lessons are approximately one-half hour in length, fifteen being given in each semester. Students who enroll as regular full-time students in the Music Education curriculum, paying full tuition, will be charged one-half the regular rates for applied music for such courses as are required in the curriculum. All others pay the above scheduled charges. The Practice Room charges apply to all students.

SUMMER SESSION TUITION. There is an enrollment fee of \$2.50 and a tuition charge of \$10.00 per semester hour. For certain courses the tuition of Vermont teachers is paid by the State Board of Education.

SUMMER QUARTER TUITION. The tuition charge is \$140.00 for full time or \$12.00 per semester hour, if less than twelve semester hours are taken.

EXTENSIONS AND REFUNDS. Extensions, when necessary, may be arranged with the Treasurer. Refunds of tuition to students who withdraw during a semester are made as follows: up to the date of the closing of registration in the first semester and during the first week of the second semester the full amount is refunded; thereafter rebates are made at 10 percent less for each succeeding week. The Student Activity Fee will not be refunded in whole or in part. No allowances or refunds are made to students temporarily absent from the University. Students forced to withdraw to enter the armed forces will not suffer financially because of this.

EXPENSES IN THE COLLEGE OF MEDICINE

The tuition fee is \$200 each semester for Vermont students and \$275 for non-residents. Students allowed to repeat any year are charged full

tuition for the repeated year. There are fifty State Scholarships of \$100 a year each, reducing the tuition to \$300 a school year for about half the enrolled Vermont students.

STUDENT AID

Only part of the cost of the student's education is met by student fees. The balance is met from the income on endowment, State and Federal appropriations, and from current gifts. In this way, the University furnishes from one hundred to nine hundred dollars a year toward the education of each student, a total of four hundred dollars or more for each four-year student. In addition, the University provides in the form of scholarships, employment, and loans such financial aid as its resources permit to students who cannot otherwise meet the charges. Application for such aid should be made to the Student Aid Committee on forms which may be obtained at the Dean's Office or the Registrar's Office.

* SCHOLARSHIPS

†*Ira Allen*. For men only. One thousand four hundred dollars each, or full tuition for four years. The number varies from year to year. Apply to Dean Eckhard of the College of Engineering.

Honor. Two hundred dollars each, awarded in each Vermont high school to the highest standing boy and girl eligible for admission to the University.

†*Debating*. Eight scholarships of \$150 to \$300 each.

Editorial. Six scholarships of \$100 to \$175 each.

†*Prize Speaking*. Twelve scholarships of \$75 to \$150 each.

†*Vocal*. Eighteen scholarships of \$75 to \$150 each.

Literary. Ten scholarships of \$75 to \$150 each.

Senatorial. Ninety at \$120 each, thirty for students in Agricultural courses, sixty for others. Apply direct to State senators.

Elementary Education. One hundred sixty-five of \$350 each, for Vermont students enrolled in Elementary Education. In addition seventeen scholarships of \$100 are awarded by the Department of Education.

Endowed Scholarships. About forty, available to residents of particular towns of the State, and others available to non-residents.

Wilbur Fund. The income from the fund is available to needy students who are residents of Vermont and have an average of 86 or more, in amounts varying with individual needs.

* A detailed list of Scholarships and Loan Funds will be found in the appendix.

† Suspended for the duration of the war.

Classical Scholarships. Six annually of \$150 each are offered to sophomores who are residents of Vermont and five of \$200 each to freshmen from other states. Appointees will study Greek and Latin, either as major subjects or as background for other work. Applicants from outside Vermont must have completed at least three years of preparatory Latin with honor grades. The scholarships will be continued through the college course for those who maintain the required standard of scholarship and continue the study of Greek and Latin. Address inquiries to Professor L. M. Prindle, 380 Maple Street, Burlington, Vt.

* LOAN FUNDS

Loan funds are apportioned annually to needy and deserving students who have been enrolled for at least one year in some college of this University. They insure continuity of training and present an opportunity to pay a part of the cost of college attendance at some future time. The notes are usually repaid during the productive years immediately following graduation.

STUDENT EMPLOYMENT. The University Employment Bureau is maintained to assist any student enrolled in college in securing either regular or occasional work. Through this service about thirty thousand dollars was earned by students last year. An NYA program also provides funds for student employment. The college employs a number of students in the college buildings, dormitories, cafeteria, and academic departments. Students are encouraged not to seek employment unless their financial need is genuine and unless they are able to carry a normal college program with time to spare for employment.

HONORS

Honors may be awarded at graduation for general high standing in scholarship, and also for conspicuous attainment in a particular department, as provided below.

The Honors awarded at graduation will be indicated on the Commencement program, and the graduate who wins Honors for general high standing may have the words *cum laude*, or *magna cum laude*, inscribed on his diploma, the particular designation to be determined by vote of the Senate.

On the morning of Commencement Day an Honor List will be published, containing the names of all who have gained Honors at graduation; of all who have won prizes during the year; and of such other graduates

* A detailed list of Scholarships and Loan Funds will be found in the appendix.

as may have presented theses or essays of conspicuous merit. This list also will be printed in the next annual Catalogue, with the names of those who have been awarded prizes.

The five students who are found to have secured the highest aggregate of marks during the entire four years' course of study in the College of Medicine are designated Honor Men, and each is graduated as Doctor of Medicine, *cum laude*.

SPECIAL HONORS IN THE COLLEGE OF ARTS AND SCIENCES

A student in a group elective curriculum, who, at the end of his Junior year, has an average of B or above for the work of the preceding three years and lacks not more than two courses to complete his group requirements, may become an applicant for Special Honors in a particular subject and be enrolled in Honor Courses.

Notice of his intention to enroll in such courses must be filed, on a blank furnished for this purpose, with the Committee on Honors and Advanced Degrees at the conclusion of his Junior year.

A student whose standing justifies such a privilege will be allowed to enroll during his Senior year, in not more than twelve hours, in addition to his thesis, six of which will be at the disposal of the head of the Department in which Honors are sought.

A student who is a candidate for Honors will be expected to prepare a thesis upon some topic designated or accepted by the head of the department, in which he is seeking Honors, and he must present this thesis to the Committee on Honors not later than May 10 of his Senior year.

Upon the approval by the Committee of his thesis, the student will be expected to pass an oral examination conducted by the head of the department, or by some one appointed by him, and at this examination at least one member of the committee, whose field of work is related to that of the candidate, will be present.

DEANS' LISTS

The Deans of the three academic colleges publish at the beginning of each semester the names of those students who have attained an average of at least "B" in their college credit courses during the preceding semester.

PHI BETA KAPPA

The Phi Beta Kappa Society established the Vermont Alpha Chapter at the University in 1849. Elections of seniors are made in December and at Commencement. The initiates are chosen primarily on the basis of high scholastic standing. The local chapter was the first in Phi Beta Kappa to initiate women into membership.

DEGREES

Degrees are conferred upon the recommendation of the different Colleges as follows:

COLLEGE OF ARTS AND SCIENCES

LIBERAL ARTS CURRICULUM; *Bachelor of Arts* (B.A.)

PRE-MEDICAL (3 YRS.) AND MEDICINE (1 YR.); *Bachelor of Science* (B.S.)

CHEMISTRY CURRICULUM; *Bachelor of Science in Chemistry*. (B.S. in Ch.)

COMMERCE AND ECONOMICS CURRICULA (Business, Secretarial and Commercial Teaching); *Bachelor of Science in Commerce and Economics*. (B.S. in Cm. and Ec.)

SECONDARY EDUCATION CURRICULUM; *Bachelor of Science in Education*. (B.S. in Ed.)

*ELEMENTARY EDUCATION CURRICULUM; *Bachelor of Education*. (Ed.B.)

*MUSIC EDUCATION CURRICULUM; *Bachelor of Education*. (Ed.B.)

*INDUSTRIAL EDUCATION CURRICULUM; *Bachelor of Science in Education*. (B.S. in Ed.)

COLLEGE OF ENGINEERING

CIVIL ENGINEERING CURRICULUM; *Bachelor of Science in Civil Engineering*. (B.S. in C.E.)

ELECTRICAL ENGINEERING CURRICULUM; *Bachelor of Science in Electrical Engineering*. (B.S. in E.E.)

MECHANICAL ENGINEERING CURRICULUM; *Bachelor of Science in Mechanical Engineering*. (B.S. in M.E.)

COLLEGE OF AGRICULTURE

AGRICULTURAL CURRICULA; *Bachelor of Science in Agriculture*. (B.S. in Ag.)

HOME ECONOMICS CURRICULUM; *Bachelor of Science in Home Economics*. (B.S. in H.Ec.)

COLLEGE OF MEDICINE

MEDICINE CURRICULUM; *Doctor of Medicine*. (M.D.)

* Given in cooperation with Vermont State Board of Education. The degree is voted by the trustees of the University of Vermont and State Agricultural College on recommendation of the Head of the Department of Education and the Senate Committee on Degrees. These curricula are without specific college affiliation.

GRADUATE STUDY

The Graduate Council and Director of Graduate Study supervise graduate instruction. The degrees of Master of Arts, Master of Science, and Master of Education may be earned by qualified students in regular or summer sessions of the University. Technical degrees, awarded only to graduates of the College of Engineering of this University, require evidence of high professional achievement for at least four years, supplemented by an approved thesis.

ADMISSION TO GRADUATE STUDY

Applicants for admission must hold a Bachelor's degree from an approved college or university.

New students should apply to the Director of Graduate Study for admission, submitting transcripts of their undergraduate records. Candidates must register with the Director at the beginning of each University session spent in residence. The program of graduate work proposed by each student must be approved by the departments in which the work is to be done, by the Director of Graduate Study, and, in the case of work pursued in summer sessions, by the Director of the Summer Session.

FEES

The registration fee and tuition charges are the same as for undergraduate students. No laboratory fees are charged, but charges will be assessed for breakage. The fee for the Master's and technical degrees is \$25.00

UNIVERSITY TEACHING FELLOWSHIPS

The University offers a number of teaching fellowships with stipends varying from \$500 to \$1100 (\$350 of the amount is applied on tuition). These fellowships are provided to encourage students whose undergraduate records and personal qualities give promise of success in research or in the profession of teaching.

The recipient of a fellowship is required to work for the Master's degree and to assist in the work of the department in which he holds the fellowship. Such duties will vary with the size of the stipend, a maximum of half-time service being expected of recipients of the larger amounts.

Applications for fellowships should be addressed to the Director of Graduate Study.

EXPERIMENT STATION FELLOWSHIPS

A number of fellowships of \$900 each, with exemption from the tuition fee, are awarded each year to full time research assistants in the Experiment Station who are working for the Master's degree. All such awards are made on the recommendation of the Station Director.

THE GEORGE H. WALKER DAIRY FELLOWSHIP

This fellowship provides a stipend of not less than \$700, with exemption from the tuition fee. It is available to graduate students who during their undergraduate course have studied "agriculture, chemistry, and bacteriology" and who desire to study the problems relating to the production of a sanitary milk supply on comparatively small plants and farms. The endowment of ten thousand dollars is sufficient to provide a fellowship every third year.

UNIVERSITY GRADUATE SCHOLARSHIPS

The University offers a number of full tuition scholarships having a value of \$350, payable as tuition. Recipients of scholarships are not required to assist in teaching. Applicants should address the Director of Graduate Study.

REQUIREMENTS FOR DEGREES

MASTER OF ARTS AND MASTER OF SCIENCE

In judging the attainments of candidates for these degrees, the Graduate Council places greatest emphasis upon ability to do original research in the chosen field of specialization. Hence, the number of undergraduate and graduate courses required will vary with the preparation and needs of the individual student.

It follows that there is much variation in the time required to earn the degree. A student able to devote his full time to graduate work and not required, because of inadequate preparation, to take many preliminary courses may earn the degree in one academic year or in a total of four summer sessions, except in the fields of Biochemistry, Chemistry, and Physics, in which a minimum of two years is normally required. Holders of fellowships requiring that a substantial portion of time be devoted to teaching or other duties must expect that at least two academic years will be necessary to complete requirements for the degree.

FIELD OF SPECIALIZATION. At the outset of graduate work each student must select a field of specialization. Because of the individual nature of most of the work, the number of candidates selected to specialize in any one department must be limited. All inquiries concerning the opportunities for research in each department will be referred to that department. Only applicants who desire to work along lines in which the University offers advantages will be accepted.

The department in which a student elects to specialize will require of him such courses and assigned readings as may be deemed necessary to his graduate education.

Each student will undertake a problem of original research under the direction of a member of the department in which he is specializing. At the conclusion of the investigation the student must present a thesis embodying the results obtained and demonstrating his capacity for independent research. The thesis must be suitably bound for deposit in the University library.

Upon completion and approval of the thesis, the candidate must pass an oral examination designed to test the thoroughness of the work done and his fitness for the degree.

The thesis must be presented not later than two weeks prior to the commencement at which it is hoped the degree may be conferred.

FIELD OF RELATED STUDY. In consultation with the supervisor of his field of specialization, each student must select a field of related study in a department other than that in which he is specializing. A member of the department in this related field will supervise this aspect of the program. Ordinarily the taking of two or more advanced courses in this field will be required.

MASTER OF EDUCATION

The degree Master of Education is offered to students who wish to specialize in Education and whose undergraduate records indicate capacity for graduate study.

The Department of Education will plan for each student a systematic course of study, supervised by the head of the Department and subject to the approval of the Director of Graduate Study. At least thirty semester hours of approved graduate work must be taken and passed with distinction. Not less than six of the thirty semester hours must be devoted to a field of related study in departments other than the Department of Education. The course entitled, "The Intellectual Background of Modern Life" is required of all candidates for this degree.

The Department of Education will assign each candidate a course of readings upon which an oral preliminary examination will be given.

At least four summer sessions will be required to complete the program of work. The time may be increased if a student's preparation in Psychology and Education is insufficient, in which case additional courses of undergraduate grade in these fields will be required.

Upon satisfactory completion of the work outlined above, the candidate must pass an oral comprehensive examination on the fields of specialization and related study. The showing made by the candidate in the comprehensive examination will determine largely whether or not the degree shall be granted.

A thesis may be accepted in lieu of six semester hours of graduate courses. The thesis must be developed under the direction of the Department of Education and must be approved by the Director of Graduate Study.

TECHNICAL DEGREES

The advanced degrees of Civil Engineer, Mechanical Engineer, and Electrical Engineer may be conferred upon graduates of the College of Engineering of the University of Vermont. At least four years must have elapsed since the candidate's graduation. For at least three years the candidate must have held positions of responsibility in his profession and have shown ability to design and execute important engineering work.

At least six months before the end of the year in which the degree is sought the candidate must present to the Director of Graduate Study a statement of his technical training and experience, together with the topic upon which he proposes to submit a thesis. The thesis must embody the results of original investigation upon some technical subject. The professional record and thesis topic must be approved by the College of Engineering and by the Executive Committee of the Graduate Council.

The thesis must be presented to the Director of Graduate Study not later than three weeks prior to commencement. The thesis must be approved by the College of Engineering and by the Executive Committee of the Graduate Council.

UNIVERSITY EXTENSION

The aim of the University Extension work is to broaden the horizon of those who have not attended college and afford an opportunity for those who have attended college to keep in touch with academic thought along their favorite lines, or to gain some information about subjects which they have not studied in college.

The Extension work includes:

1. THE AGRICULTURAL EXTENSION SERVICE (See Index).
2. SUMMER SESSION.
3. EDUCATIONAL CONFERENCES.
4. CONFERENCE WITH EDITORS OF HIGH SCHOOL PUBLICATIONS.
5. EXTENSION COURSES. Courses in a variety of subjects may be given in any town where a reasonable number of interested persons can be enrolled. On successful completion of such courses, limited credit will be given by the University toward a degree, or by the State Board of Education toward a higher teacher's certificate. For further information address the Chairman of the Committee on University Extension.
6. THE ROBERT HULL FLEMING MUSEUM. The Museum offers a number of extension projects for clubs, libraries, and schools, makes exhibits available to city and rural schools, and offers on Saturday mornings entertainments, moving pictures, and illustrated talks to school pupils. The Fleming Museum Art Association, with the staff, arranges addresses and special art exhibits, which are free to the public.

THE SUMMER SESSION

A Summer Session is maintained each year for a period of six weeks. Subjects offered include Art, Botany, Chemistry, Commercial Subjects, Dramatic Art, Economics, Education, English, French, Geography, German, History, Home Economics, Industrial Arts, Italian, Latin, Mathematics, Music (instrumental and vocal), Philosophy, Physical Education, Physics, Political Science, Psychology, Spanish, and Zoology. The school is intended to meet the needs of various groups of students, such as:

1. Students or teachers who have completed a four-year college course and who wish to take advanced work for credit toward the Master's degrees.
2. Principals and superintendents of schools who desire to take fundamental or specialized courses in the fields of Educational Administration and Supervision.
3. Students who need certain required courses for admission to college.
4. Students or teachers with adequate preparation who desire to take courses leading to a Bachelor's degree.
5. Teachers in elementary or secondary schools who desire to earn credit toward State teachers' certificates of higher grade or who desire to broaden their knowledge of the subjects they teach.

6. Students who desire instruction in Art, Music, Visual Instruction, or Physical Education.
7. Persons who desire to take, without credit, courses for self-improvement.

A special bulletin giving a full description of courses will be sent upon application to the Director of the Summer Session.

EDUCATIONAL CONFERENCES

TEACHERS' CONFERENCE

It has become the policy of the University to hold annually in March an educational conference with the schools of the State.

The project is a part of the University's contribution to the effort which is being made by the various educational forces of the State to improve our institutions of all grades from the primary school to the college and the University. In selecting a topic for the conference an effort is made to look to the future and anticipate the problems which Vermont must consider. The aim is to bring to the teachers of the State, year by year, expert reports and opinions relating to some of our many serious educational problems. This conference is held in connection with the convention of the Champlain Valley Teachers' Association. It will be omitted in 1943 because of war conditions.

HIGH SCHOOL EDITORIAL CONFERENCE

A conference is held late in the fall each year with representatives of high school publications and teachers of English in schools publishing high school papers. Its purpose is to aid, by means of addresses and discussions, in the solution of editorial and business problems, and to encourage the use of contributions to school papers as part of the regular work in English. The Trustees of the University have provided special scholarships in further encouragement of this activity in the secondary schools.

HEALTH, PHYSICAL EDUCATION, ATHLETICS

The University has complete facilities to maintain the physical well-being of members of the student body. The institution provides a Student Health Service, Departments of Physical Education for men and for women, and a program of intercollegiate athletics.

The University Health Service, organized in 1941, is staffed by two physicians and a registered nurse who maintain a clinic in the Waterman Building. The service includes complete physical examinations for all incoming students, the examination of members of athletic squads, care of injuries, consultation on all health and medical problems, and medical care of students who are unable to pay for private medical care. All illnesses are reported to the Health Service and excuses issued for absences caused by illness.

Every student at the University is required to participate in the Physical Education program for two years. Normally this work is taken in the Freshman and Sophomore years, but may upon occasion be postponed on the advice and authorization of one of the University physicians.

The Physical Education activities for men are carried on in the University Gymnasium, the baseball cage, and on playing fields adjoining. The Physical Education activities for women are centered in the Southwick Memorial Building on the Redstone campus and upon the playing fields nearby. A large number of tennis courts, and a skating and hockey rink are provided for the use of all students. Skiing privileges are available on the college campus and also on Mt. Mansfield.

A program of intercollegiate competition is maintained in football, baseball, basketball, track, cross-country running, tennis, and rifle marksmanship. The athletic policies of the University are under the direction of the Athletic Council, composed of members of the faculty, the student body, and alumni. Athletic relations are maintained with colleges and universities in New England and the eastern seaboard in all the sports mentioned above. The athletic teams are under the direction of a corps of experienced coaches.

RELIGIOUS LIFE

The University, although not affiliated with any denominational body, provides a rich program of religious activities. Formal courses of instruction are offered in the College of Arts and Sciences in Bible, Comparative Religion, and the History of Religion.

All religious activities on the campus are coordinated by a Committee on Religious Life, composed jointly of students and faculty members, with representatives from different faiths. The Committee sponsors the University's religious services, including a weekly morning Chapel service and frequent vesper services on Sunday afternoons; it serves to coordinate the activities of the student associations devoted to religious and social service programs, such as the Vermont Christian Association and the Young Women's Christian Association; it also cooperates with the several

sectarian organizations, the Newman Club for Catholic students, the Hillel Foundation for Jewish students, and several protestant denominational groups. Inter-denominational and inter-faith meetings are held, with speakers of national reputation as guests.

The several churches in Burlington are delighted to welcome University students, and cooperate with the Committee on Religious Life in sponsoring many student activities.

ORGANIZATIONS

Believing that the right sort of companionship and recreation play an important part in the building of character during the formative college period, the University in various ways lends encouragement to all legitimate student organizations. The different religious, social, and athletic bodies, therefore, endeavor to meet the needs of the students without interfering with the main purpose of a college course.

FACULTY-STUDENT COUNCIL

The Faculty-Student Council has been enlarged and now includes the Women's Council. It is composed of eight faculty members, six men and two women, appointed by the President, and fourteen students, ten men and four women, elected by classes. The men choose one Senior and one Junior from each of the four colleges, and two are chosen at large from the Sophomore class. The women elect two members each from the Senior and Junior classes. These are elected as early as practicable in each college year. The Council has been formed for the purpose of establishing cordial relations between faculty and students as well as cooperation in regulating and controlling all student activities. Any subject which concerns the students may be brought before the Council and, after full discussion, either may be settled by it or referred to the Senate for action. No student organization may hold a dance without the consent of the Council. Requests must be presented to the secretary at least one week before the date on which it is proposed to hold the dance.

STUDENT UNION

Student Union, the Women's Student Government Association, functions on the campus as an organization to see that all rules and regulations for women students are kept. These rules have been established for the sole purpose of guiding and helping the girls throughout their college years. At the beginning of each school year these rules are given out to the Freshmen who are required to pass an examination on them. Student

Union consists of the council which is the officers of the association; the judiciary committee which is the chief justice, one Senior and two Juniors; and the joint conference committee which is made up of members of the faculty to advise the Student Union Council.

This organization sponsors mass meetings at designated times during the year which all resident women are required to attend. It also has charge of the Big Sister movement, through which all Freshmen are given an upperclass girl who will help them through the most difficult days of their first weeks of school.

U. V. M. STUDENT GOVERNMENT

"In order to bring about a systematic administration of student affairs on this campus, to codify existing customs and traditions of the University of Vermont, and to provide for an organized student control of campus activities, we, the students of U. V. M., adopt this constitution." So reads the constitution of the University of Vermont Student Government. All students shall be voting members of this organization on payment of the Student Activity Fee. Meetings are held once a month during the college year and may be called at any time by the President of the University, President of the Student Government, five or more members of the Executive Committee, or by the petition of fifty or more members presented to the Executive Committee at least ten days prior to the proposed date of the meeting. There exists also a U. V. M. Student Court consisting of members of each undergraduate college for the purpose of trying such problems of discipline and social conduct as shall be designated to its Committee.

HONORARY SOCIETIES

The Boulder Society, a self-perpetuating group of Senior men, is recognized as an organization responsible for student leadership. Election to this society is counted one of the highest honors that a University man may win. A feature of each Founder's Day is a meeting of this organization at which time the names of new members are announced.

Other honorary class societies for men that are active on the Campus are the Key and Serpent a Junior honorary society, Gold Key a Sophomore society, and Cap and Skull the Senior Medical honorary society.

Mortar Board, national Senior honorary society for women, has an active chapter at the University. By such an affiliation women at Vermont are brought in closer contact with outstanding college women throughout the country while they still maintain their local significance of service to the Vermont campus. Though membership in Mortar Board

comes as the greatest honor for a Vermont woman in recognition of outstanding service, scholarship, and leadership, it is far more than an honor. It is much rather a challenge for continued sound and honest scholarship, for unselfish service in the best interests of the college campus, and for the finest type of womanhood.

In 1938 two honorary class societies for women were organized. The Junior Society, organized as the Junior Councilors, has recently adopted the name Staff and Sandal. Its membership of twelve is elected by the Junior class from the outstanding leaders of the class.

The Sophomore Aides elected annually by the Sophomore class, numbers fifteen of the women who in their Freshman year gave evidence of the qualities of scholarship, leadership, and service. This group serves as assistants to Mortar Board.

MISCELLANEOUS ACTIVITIES

About one hundred varied activities receive enthusiastic support of U. V. M. undergraduates. Following is a summary in which the activities are segregated according to their particular nature:

RELIGIOUS ORGANIZATIONS

Collegium
Newman Club
Pilgrim Fellowship
Vermont Christian Association
Y. W. C. A.

STUDENT GOVERNING BODIES

U. V. M. Student Government
Women's Student Union

SOCIAL GROUPS

Fourteen Fraternities
Independents
Seven Sororities

HONORARY SOCIETIES

Alpha Zeta
Boulder
Cap and Skull
Champlain Sabers
Gold Key
John Dewey Club
Kappa Phi Kappa
Key and Serpent
Mortar Board
Omicron Nu
Phi Beta Kappa
Sophomore Aides
Staff and Sandal
Tau Kappa Alpha

LITERARY ACTIVITIES

Ariel
Bluestockings
Cynic
Freshman Handbook
Press Club
Scribes

DEPARTMENTAL CLUBS

Aggie Club
A. I. E. E.
A. S. C. E.
A. S. M. E.
Chemistry Club
Future Farmers
Graduate Club
Home Ec Club
Osler Club

DRAMATICS

Dramatic Club
Group Plays
Kake Walk
University Players

MUSIC

Campus Sings
Chapel Choir
Chapel Orchestra
Men's Glee Club
Women's Glee Club
R. O. T. C. Band
University Orchestra

LANGUAGE

Goodrich Classical Club
Le Cercle Français

DEFENSE COURSES

First Aid
Home Nursing

MEN'S ATHLETIC ASSOCIATION

Baseball
Basketball
Bowling
Boxing
Fencing
Football
Golf
Handball
Hexathlon Championship
Hiking, Outing Club
Hockey
Horseshoes
Rifle
Rugby
Skating
Skiing
Softball
Swimming
Tennis
Track
Tumbling
Volleyball
Wrestling

WOMEN'S ATHLETIC ASSOCIATION

Archery
Badminton
Basketball
Bowling
Dance Workshop
Deck Tennis
Diving
Field Hockey
Folk Dancing
Golf
Life Saving
Lilac Day
Modern Dancing
Outing Club
Ping Pong
Rifle
Shuffleboard
Skating
Skiing
Softball
Square Dancing
Swimming
Tennis
Volleyball

MISCELLANEOUS

Federal Inspection
Junior Week
Senior Week
Photography Club

PUBLICATIONS

THE VERMONT ALUMNUS is issued monthly under the auspices of the Alumni Council.

THE VERMONT BULLETIN is entered as second class matter. It is issued by the University four times a year and includes the annual Catalogue, the Summer Session numbers, and the Medical Bulletin.

THE SUMMER SESSION CALENDAR is published five times a week during the Summer Session.

SCHOLASTIC REPORTS

All students enrolled in the Academic Colleges receive reports of scholarship from the Registrar's office twice a year. Special reports of low standing of students in the Freshman and Sophomore classes are sent by the Deans' offices at least twice during the first and at least once

during the second semester. All these reports are made both to the student concerned and to his parent or guardian.

In the College of Medicine one report is sent covering the work of the college year.

On leaving the University every former student or graduate may procure one photographic transcript of record without charge. Extra copies may be obtained at a cost of one dollar per copy.

GRADING SYSTEM

Scholarship is graded on a percentage scale. Passing grades are reported and recorded numerically. The numerical grades, with the equivalent letter grades, are:

98 (A+), 95 (A), 92 (A—)	Excellent
88 (B+), 85 (B), 82 (B—)	Good
78 (C+), 75 (C), 72 (C—)	Fair
68 (D+), 65 (D), 62 (D—)	Poor

Failing grades are X, indicating a condition which may be removed by re-examination, or by exception in some other way, and F, indicating a more serious failure which requires repetition of the course if any credit is to be received.

USE OF ENGLISH

Correct English usage is demanded by all departments in the University. Written work of any kind which is unsatisfactory in manuscript form, grammar, punctuation, spelling, and effectiveness of expression will be penalized, regardless of contents. Students whose written work falls below the standard of correct usage may be remanded to the English Department for additional instruction, even though English 1 has been passed.

Admission

* THE ACADEMIC COLLEGES

The University of Vermont desires to admit students of high character and serious purpose who are qualified to do college work. It seeks as much information as possible about a student before his application is considered. A composite estimate of his capacity to profit by college work is formed from the following items:

1. The recommendation of the school principal.
2. The candidate's rank in his graduating class.
3. The school record of courses completed.
4. A test of scholastic aptitude and of achievement in English and Mathematics.
5. A personal interview.

Of these five items no one is considered as all important in itself. The important thing is the composite picture which results from the combined evidence of them all.

The information collected in connection with a student's application has another distinct value. It is used by the student's personal advisor in guiding the choice of a curriculum and of particular courses. Since education is a continuous process, the University hopes to receive all possible information from the high school for use in planning the college course best adapted to the individual.

Each college of the University desires that its students present a well integrated course of preparation, including certain subjects which it regards as especially desirable. These subjects are not absolutely required, but rather suggested to the high school student and advisor as suitable preparation for college work. Other qualifications being equal, preference is given to those who present the subjects which are deemed especially desirable.

Students will be admitted without any entrance conditions, except in subjects which are prerequisite to courses required in their respective curricula.

Application forms for admission to the University of Vermont will be sent upon request. Since the number of rooming accommodations available is limited, it is wise for a candidate for admission to submit his ap-

* For admission to the College of Medicine, see pages 154-155.

plication and credentials as early as possible, at any time after the first of February in the year in which admission is sought. Soon after that time tentative admission may be granted. Inquiries should be directed to Heath K. Riggs, Director of Admissions, Waterman Building, University of Vermont, Burlington, Vermont.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences recommends that candidates for admission complete the following secondary school courses:

	UNITS
English (4 years)	3
Foreign Language (Ancient or Modern, 2 years)	2
Elementary Algebra	1
Plane Geometry	1
History	1
Science	$\frac{1}{2}$ or 1

Graduation from secondary school normally implies the completion of at least fifteen units of work, and this is regarded as the usual requirement for entrance. Eight and a half or nine units are suggested above. Candidates for admission are advised to choose additional units as far as possible in the fields of language, mathematics, and history.

COLLEGE OF ENGINEERING

The College of Engineering recommends that candidates for admission complete the following secondary school courses:

	UNITS
English (4 years)	3
Algebra (Elementary and Intermediate)	2
Plane Geometry	1
Solid Geometry	$\frac{1}{2}$
History	1
Science	$\frac{1}{2}$ or 1

In addition to the eight or eight and a half units listed above the candidate is advised to choose the remaining units as far as possible in the fields of Language, Mathematics, History, and Science.

Superior students may be accepted without Intermediate Algebra or Solid Geometry, or both, but must enroll in a special course, the fee for which is ten dollars.

COLLEGE OF AGRICULTURE

Courses considered especially desirable for prospective students in Agriculture are:

	UNITS
English (4 years)	3
Elementary Algebra	1
Plane Geometry	1
Science (2 years)	2

History and a third year of Mathematics are also desirable.

Courses considered especially desirable for prospective students in Home Economics are:

	UNITS
English (4 years)	3
Foreign Language (2 years of one language)	2
Elementary Algebra	1
Plane Gemetry	1
History	1
Science (2 years)	2

A third year of Mathematics and two additional years of a foreign language are also desirable.

ELEMENTARY EDUCATION CURRICULUM

QUALITATIVE ADMISSION REQUIREMENTS

Students who are admitted to the Elementary Education curriculum must have attained a scholastic standing which ranks them in the upper third of their high school graduating classes, except that with the very definite and positive recommendations of their high school principals and superintendents, students whose scholastic standing is between that of the upper third and that of the middle of the class may be accepted, if the quota is not filled before June 1.

A certificate grade in ten or more entrance units will admit a student who is recommended by the principal, provided that *practically* all the subjects taken in the last two years of the high school course were passed with certificate grades, and provided that the applicant meets all other requirements for admission.

Teachers who have completed one or two years of teacher preparation courses beyond high school may be admitted to the Elementary Education curriculum by presenting their high school records and by recommendation of their superintendent, but will not be graduated until all require-

ments for admission and all requirements of this curriculum shall have been met and completed.

Graduates of academic colleges may be admitted to this curriculum but must take not less than thirty semester hours of elementary education subjects, chosen under the guidance of the Head of the Department of Education, in order to meet the requirements for a certificate.

Each candidate, before being finally accepted, must be interviewed by a representative of the Department of Education at the University.

QUANTITATIVE ADMISSION REQUIREMENTS

Every applicant should present satisfactory evidence of having completed fifteen units chosen as follows:

Recommended Subjects (6 units): Three units of English (4 years,) and one unit each of History, Mathematics, and Science.

Limited and Free Electives (any 9 units): Foreign Language, History and Social Science, Mathematics, and Science; not over one unit in Fine and Practical Arts, not over one unit in Commercial Subjects, not over three units of any other work accepted by the high school toward its graduation requirements.

HEALTH REQUIREMENTS

A certificate of good health and physical fitness must be furnished by each applicant from a practicing physician upon a blank furnished by the State Department of Education. In addition a physical examination is required of the applicant by the University.

CHARACTER AND PERSONALITY REQUIREMENTS

The high school principal must furnish on blanks provided by the State Department of Education an estimate of the applicant's character and personality based upon the following traits:

- | | |
|----------------------------------|--------------------------|
| 1. Honesty. | 9. Dignity. |
| 2. Reliability. | 10. Forcefulness. |
| 3. Consideration for others. | 11. Refinement. |
| 4. Acceptance of responsibility. | 12. Leadership. |
| 5. Loyalty. | 13. Cooperation. |
| 6. Good judgment. | 14. General personality. |
| 7. Adaptability. | 15. Good citizenship. |
| 8. Poise. | |

GUIDANCE

High school principals or those having the responsibility for the guidance and counseling of high school pupils are urged to assist students in their efforts to learn the qualifications which are demanded of teachers.

Students should not be recommended for admission to the Elementary Education curriculum at the University unless they possess qualities of personality, character, health, physical fitness, intellectual ability and interest, which will justify the belief that they will become competent teachers.

SPECIAL AND UNCLASSIFIED STUDENTS

Under the usual entrance requirements of the University, persons of suitable age and attainment, by the payment of specified fees, may pursue certain studies in connection with the regular college classes, either as special or as unclassified students. This privilege will not be extended to students who are disqualified for admission to one of the regular curricula. It is intended primarily for the accommodation of those whose previous study and attainments enable them to pursue with profit special courses of study in particular departments. Special students will be registered and enrolled in the same manner as regular students, and from the time of their admission will be subject to all regulations of the University. Credit for courses completed as a special or unclassified student may be counted toward a degree.

The Registration Fee is \$5.00 and it is payable by all who have not previously been enrolled in the regular session.

The tuition charge is \$11.75 per semester hour, the usual laboratory and breakage fees being additional. Special students are not eligible to hold University scholarships.

PRELIMINARY REGISTRATION PROGRAM

The three days immediately preceding the opening of class work are devoted to certain preliminary events designed to facilitate the adjustment of freshmen to conditions of life and study at college. The full schedule of events is given in a special circular, "*Program of Preliminary Freshman Days*," which is sent to all prospective freshmen by the Registrar.

All new students are given a standard intelligence test at the opening of the college year. Freshmen also take a silent reading test and analysis of work interest test. The scores are used in advising students regarding the course of study to pursue, and vocational plans. Personal data, physical examination and placement tests are also included in the program.

ADMISSION TO ADVANCED STANDING

All applicants for admission who have attended another collegiate institution are required to file with the Registrar's Office an official transcript of the college record together with a statement of honorable dismissal.

A student who transfers to the University from another accredited college or university may be given provisional credit by the Director of Admissions for all courses successfully completed, provided that similar courses are counted toward graduation at the University of Vermont. The credits will be allowed pending satisfactory completion of a semester's work at the University. At the end of the student's first semester here the transfer credits will be fully granted, provided the student is in good standing at that time. If he is under warning, his transfer credits will be reviewed by the Departments concerned and they will then decide what credits will be allowed.

ENROLLMENT

Every student is required to register and enroll on the designated days. Enrollment for the second semester occurs on the day before the first day of that semester. A receipt from the Treasurer showing that tuition charges for the ensuing half-year have been paid, must be presented before enrollment can be completed. Directions for enrollment are published for each semester.

After enrollment, no change of studies will be allowed except such as are authorized by the Dean of the college of the University in which the student is registered. After two weeks from the beginning of the semester no enrollment or change of studies will be permitted.

Curricula and Courses of Instruction

The University of Vermont and State Agricultural College offers a wide variety of curricula both professional and non-professional in its four colleges of **Arts and Sciences**, **Agriculture**, **Engineering**, and **Medicine**.

The **College of Arts and Sciences** provides a general and liberal four-year* curriculum leading to the degree of **Bachelor of Arts** with opportunities for concentration in one of the following departments: Botany, Chemistry, Economics, English, Geology, German, Greek, History, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Romance Languages (French and Spanish), and Zoology.

Freedom of election in the College of Arts and Sciences is such that all the **pre-professional requirements** for admission to colleges of **Medicine**, **Dentistry**, **Law**, **Theology**, **Nursing**, or **Medical Technology** may be met.

Certain departments of the College of Arts and Sciences offer **specialized curricula** leading to professional competence and the Degree of Bachelor of Science. These specialized curricula are **Chemistry**, **Business** (including **Secretarial Studies**), and **Secondary Education**.

The **College of Engineering** offers a four-year* curriculum leading to the degree of Bachelor of Science in **Civil Engineering**, in **Electrical Engineering**, or in **Mechanical Engineering**.

The **College of Agriculture** offers a four-year curriculum leading to the degree of Bachelor of Science in Agriculture with specialization in one of the five fields of **Teaching**, **Plant Industry**, **Dairy Production**, **Dairy Manufacturing**, or **Agricultural Economics**. This college also offers a four-year curriculum leading to the degree of Bachelor of Science in **Home Economics** with the option of four specializations: **Food and Nutrition**, **Clothing and Textiles**, **Teaching**, and **General Home Economics**.

The **College of Medicine** offers a four-year* curriculum leading to the degree of Doctor of Medicine.

* During the war emergency the University, with the exception of the College of Agriculture, will operate upon an accelerated schedule so that all four-year curricula may be completed in three calendar years, and the seven-year combination Medical curriculum may be completed in five calendar years.

The University of Vermont and State Agricultural College in cooperation with the State Department of Education offers professional curricula in the fields of **Elementary Education, Music Education, and Industrial Education**, leading to the degree of Bachelor of Education in the first two cases, and the degree of Bachelor of Science in Education in the last.

In all colleges, except Medicine, the undergraduate courses are numbered from 0 to 99; those courses which may be taken for undergraduate or graduate credit are numbered from 100 to 199. Courses offered for graduate credit only are numbered from 200 to 299. The courses in Elementary Education are numbered from 300 to 399. The courses in Elementary and Industrial Education are offered by the Department of Education.

Following the description of each course the number of semester hours credit is indicated. For full year courses this credit must be doubled. Courses that are required are indicated and when elective the classifications and prerequisites are given. Rotating and alternating courses show the college year during which these courses are to be given. Lecture and recitation periods are fifty minutes, laboratory periods at least 110 minutes in length. A key to the abbreviations used follows:

KEY TO ABBREVIATIONS

Ag., Agriculture.
 Agl. Econ., Agricultural Economics.
 Bus., Business Curriculum.
 C. E., Civil Engineering.
 Ch., Chemistry.
 C. T., Commercial Teaching Option.
 D. M., Dairy Manufactures.
 D. P., Dairy Production.
 Ed., Education.
 E. E., Electrical Engineering.
 El. Ed., Elementary Education.
 Eng., Engineering.

H. E., Home Economics.
 Ind. Ed., Industrial Education.
 L. A., Liberal Arts.
 M. E., Mechanical Engineering.
 Med., Medical.
 Mus. Ed., Music Education.
 P. I., Plant Industry.
 Sec., Secretarial Option.
 S. Ed., Secondary Education.
 Sp., Special.
 Tch. Ag., Teaching of Agriculture.

The College of Arts and Sciences

OBJECTIVE

The College of Arts and Sciences aims to provide for young men and women the means and opportunity of fitting themselves intellectually, emotionally, and spiritually to play a responsible part in the world of thought and action.

It devotes itself to the inculcation of ideals and the cultivation of ideas. It seeks to encourage habits of clear, independent thinking and effective expression; to stimulate an appreciative understanding of the thought and achievement of man; to develop sound critical judgment and a spirit of tolerance; to arouse the intellectual curiosity which is the basis of continuing self-education.

Its fundamental purpose is to instill the courage and conviction to exemplify the enduring values of American democracy.

THE LIBERAL ARTS CURRICULUM

The curriculum in Liberal Arts, leading to the degree of Bachelor of Arts, is designed to secure adequate training in language, particularly in English, as the mother tongue and the chief tool of thought and expression, and in certain other subjects essential to an understanding of the various fields of human knowledge; and to provide for further study and mastery of a chosen field of concentration.

Every candidate for this degree shall fulfill the requirements stated below, and present a total of 120 semester hours of credit. For those required to take Military Science and Physical Education the total of semester hours shall be increased by the number of hours required in those subjects.

REQUIRED OF ALL STUDENTS:

1. English. English 1 the first year, with separate sections and special work for selected students, and the second year one of the following: English 2, English 7, English 15, English 116.

2. Foreign Language. One course of at least intermediate grade, that is French 3, German 2, Greek 1, Latin B, or Spanish 2, to be completed as early as possible in the college career.

3. Science. One laboratory course, normally the first year, to be chosen from Botany, Chemistry, Geology, Physics, and Zoology.

4. Physical Education and Military Science. Two years of Physical Education for men and women, two years of Military Science for men.

5. Field of Concentration. Each student shall choose a field of concentration in consultation with his advisor, and complete in that field a minimum of six courses, totalling not less than thirty-six semester hours, at least half, but not all, to be taken in one subject. Each student shall take at least one course in his field of concentration in the junior year and in the senior year.

ADDITIONAL REQUIREMENTS FOR STUDENTS CONCENTRATING IN FIELDS IN THE FOLLOWING DIVISIONS:

1. Language and Literature, or Music: History 1, 2, 3, or 14 the first year; a second foreign language reaching the intermediate level; a second course in the Social Science division.

2. Social Science: History 1, 2, 3, or 14 the first year; during the first two years a total of two courses in different departments, chosen from the following: Economics, Philosophy, Political Science, and Psychology.

3. Science and Mathematics: Mathematics 1 and 2* the first two years; Chemistry 1* the first year and Physics 1* the second year; a total of two courses in the divisions of Literature and Fine Arts (including Music) and of the Social Sciences.

PRE-PROFESSIONAL PREPARATION

Students who plan to enter professional colleges requiring previous collegiate preparation should register in the College of Arts and Sciences. The variety of courses offered and the freedom of election in that College is such that all the requirements for any professional school may be met. Many students will desire so to direct their four-year undergraduate course that in addition to a general and sound education appropriate pre-professional training is obtained for later work in the Medical Sciences, Law, or Theology.

MEDICAL SCIENCES (MEDICINE, DENTISTRY, NURSING, MEDICAL TECHNOLOGY)

The requirements for admission to an accepted medical college include as a rule three years of undergraduate work during which the following courses will be completed: English (two years), Foreign Language, College Mathematics, Inorganic Chemistry, Organic Chemistry, General Physics, and Biology. The requirements for admission to colleges of Dentistry,

* Students concentrating in Mathematics may omit Chemistry 1. Those concentrating in Botany or Zoology may omit Mathematics 2 and may postpone Chemistry and Physics each one year, beginning their special subject the first year.

Nursing, and Medical Technology vary, but in all cases include some of the work prescribed for admission to medical colleges and hence the course of study advised for the preparation for medicine may be used as a basis for selection by those interested in these three fields.

A typical four-year course of study for a student wishing the degree of Bachelor of Arts and also wishing to complete the requirements for admission to medical college follows:

THE FRESHMAN YEAR			THE SOPHOMORE YEAR		
	1ST SEMESTER	2ND SEMESTER		1ST SEMESTER	2ND SEMESTER
English Composition (Eng. 1)	3	3	Foreign Language	3	3
Inorganic Chem. (Chem. 1)	4	5	Calculus (Math. 2)	3	3
Freshman Math. (Math. 1)	3	3	English	3	3
French or German	3	3	Chem. Anal. (Chem. 2, 3)	4	4
Physical Education 1	1	1	Botany 1, Zoology 1	4	4
Military Science 1 (Men)	2	2	Physical Education 2	1	1
—	—	—	Military Science 2 (Men)	2	2
	16	17		20	20
THE JUNIOR YEAR			THE SENIOR YEAR		
	1ST SEMESTER	2ND SEMESTER		1ST SEMESTER	2ND SEMESTER
Organic Chem. (Chem. 9)	4	4	Physical Chem. (Chem. 7)	3	3
Embryology-Cytology	4	4	Adv. Organic Chem.	3	3
Gen. Psychology (Psych. 1)	3	3	Political Science	3	3
Gen. Physics (Phys. 1)	5	5	Bacteriology	3	...
—	—	—	Physiology .....	...	3
	16	16	Elem. Economics	3	3
				15	15

For those students who find it impossible to complete the four-year undergraduate course, a three-year* curriculum may be followed which in combination with the first year of an approved medical college will lead to the degree of Bachelor of Science. This curriculum is as follows:

THE FRESHMAN YEAR			THE SOPHOMORE YEAR		
	1ST SEMESTER	2ND SEMESTER		1ST SEMESTER	2ND SEMESTER
English Composition	3	3	English Literature	3	3
Freshman Mathematics	3	3	French or German	3	3
French or German	3	3	Organic Chemistry	4	4
Inorganic Chemistry	4	5	General Physics	5	5
Gen. Botany & Zoology	4	4	General Psychology	3	3
Physical Education 1	1	1	Physical Education 2	1	1
Military Science 1 (Men)	2	2	Military Science 2 (Men)	2	2
THE JUNIOR YEAR					
	1ST SEMESTER	2ND SEMESTER			
English (Advanced Course)	3	3			
Embryology & Cytology	4	4			
Physical & Quant. Chem.	3	3			
Electives	8	8			

* See note page 71.

At the University of Vermont and State Agricultural College particular attention is paid to the guidance of students intending to study medicine. At the end of the freshman year such students are invited to appear before an advisory committee composed of representatives of the College of Arts and Sciences and of the College of Medicine who will discuss with them their competence to continue their pre-medical preparation and their choice of courses. Students will likewise be invited to confer with the committee at the end of their sophomore year, at which time final plans can be laid for the balance of the student's undergraduate program.

LAW

American law schools, as a rule, require graduation from a four-year college with a Bachelor's degree prior to admission. There is no prescribed curriculum which is an absolute requisite for admission, but the student is advised to include in his undergraduate course substantial elections in the field of Languages, Literature, History, Economics, and Political Science.

THEOLOGY

Graduation from a four-year college is rapidly becoming prerequisite for admission to most theological seminaries. Although no prescribed curriculum is demanded as preparation for such professional schools, the student is advised to elect substantially from the departments of Languages, particularly Classics, History, Philosophy, Psychology, and Social Studies.

THE BUSINESS CURRICULA

The Department of Economics offers specialized curricula leading to the degree of Bachelor of Science in Commerce and Economics. Three options are provided, namely, Business, Secretarial Science, and Commercial Teaching.

The Business option offers the basic curriculum and is recommended for those who are preparing for a general business career. The curriculum is such as to give sound basic training in the various phases of business activity. A foundation is laid in economic geography, economic history, and the general principles of economics. Specialized subjects are then added which collectively cover the important lines of business specialization.

Students selecting the Secretarial and Commercial Teaching options during the first three years carry the same program as prescribed for the

Business option in addition to Secretarial courses each year. These Secretarial courses are given solely for full time students in these curricula. An extra tuition fee of \$17.50 per semester is charged for this supplemental training. A special curriculum quite different from the Business option is provided for the senior year.

Those students electing the Commercial Teaching option are required to take certain specialized courses including sufficient work in the field of Education to meet the requirements for teaching in business or secondary schools. These courses replace electives in the Secretarial curriculum.

The Business Curricula are listed in detail below:

THE BUSINESS CURRICULA

THE FRESHMAN YEAR

	1ST HF.	2ND HF.
English 1, Composition and Rhetoric	2	2
Mathematics 11, Mathematics of Finance.....	3	3
Economics 9, Economic Geography	3	3
French 3, German 2 or Spanish 2	3	3
Political Science 1, American Government.....	3	3
Physical Education 1	1	1
Military Science 1 (Men)	2	2

These subjects are supplemented by Economics 59, Filing (3 hours), and Economics 60, Business Organization and Management (3 hours), for those in the Secretarial and Commercial Teaching options.

THE SOPHOMORE YEAR

	1ST HF.	2ND HF.
English 2, English Literature	2	2
Economics 1, Principles	3	3
Economics $\frac{6}{7}$, Economic History	3	3
Economics $\frac{2}{8}$, Business Law and Statistics.....	3	3
Political Science 3, International Relations.....	3	3
Elective	3	3
Physical Education 2	1	1
Military Science 2 (Men)	2	2

These subjects are modified for commercial teaching and secretarial students by substituting Psychology 1, General Psychology, for Political Science 3, International Relations, and by enrollment in Economics 58, Business Correspondence, for the elective.

THE JUNIOR YEAR	1ST HF.	2ND HF.
Economics 110 or 111, Social Economics or Labor Problems	3	3
Economics 12, Accounting	3	3
History 12, Modern European History	3	3
Economics 102, Money and Banking	3	3
Psychology 1, General Psychology	3	3

Students in the Commercial Teaching option defer Economics 102, Money and Banking, taking Education 1, Principles (3 hours), and Education 4, Adolescent Educational Psychology (3 hours).

Students in the Commercial Teaching and Secretarial options add Economics 52, Stenography (10 semester hours), and Economics 56, Typewriting (10 semester hours).

THE BUSINESS SENIOR YEAR	1ST HF.	2ND HF.
Economics 114, Advanced Economics	3	3
Economics $\frac{3}{16}$, Public Finance and Business Administration	3	3
Economics 4, Marketing	3	3
Economics 105, Corporation Finance	3	3
Laboratory Science	4-5	4-5

THE SECRETARIAL SENIOR YEAR	1ST HF.	2ND HF.
Economics 114, Advanced Economics	3	3
Economics $\frac{6\frac{1}{2}}{61}$, Office Management and Secretarial Methods	3	3
Electives	6	6
Economics 53, Advanced Shorthand	5	5
Economics 57, Advanced Typewriting	(5)	(5)

The Commercial Teaching students in the senior year follow the Secretarial enrollment except that the Electives are Economics 102, Money and Banking (6 semester hours), and Economics 63, Principles and Methods in Commercial Education (6 semester hours).

THE CHEMISTRY CURRICULUM

The Department of Chemistry offers a specialized and professional course in Chemical Science leading to the degree of Bachelor of Science in Chemistry. The curriculum is designed to give a sound basic training and to prepare the student for service in some branch of the Chemical profession.

The curriculum conforms to the recommendations of the Committee on Professional Training of Chemists of the American Chemical Society. Graduates of the specialized curriculum in Chemistry are engaged in teaching Chemistry, as technical Chemists in industry, and in various capacities in businesses based upon Chemical Science.

In the first year and, to some degree, in the second year, prescribed courses are such that it is possible for a student to transfer into the curriculum from the general curriculum of the College of Arts, or to transfer from the Chemistry curriculum into the general curriculum of the College of Arts with a major in one of the Physical Sciences.

In addition to undergraduate courses, the facilities of the Department permit graduate work leading to the degree of Master of Science.

Below are listed the courses of study included in the Chemistry curriculum:

THE FRESHMAN YEAR			THE SOPHOMORE YEAR		
	1ST	2ND		1ST	2ND
	SEMESTER			SEMESTER	
Inorganic Chem. (Chem. 1).....	5	5	Qual. Chem. (Chem. 2)	4	...
English Comp. (Eng. 1)	3	3	Quant. Chem. (Chem. 3) .....	...	4
Freshman Math. (Math. 1).....	3	3	English 2, 7, 15, or 116.....	3	3
Elementary German (Ger. 1) ..	3	3	Calculus (Math. 2)	3	3
Elective*	3-4	3-4	General Physics (Phys. 1)	5	5
Physical Education 1	1	1	Intermediate Ger. (Ger. 2).....	3	3
Military Science 1 (Men)	2	2	Physical Education 2	1	1
			Military Science 2 (Men)	2	2
	20-21	20-21			
				21	21
THE JUNIOR YEAR			THE SENIOR YEAR		
	1ST	2ND		1ST	2ND
	SEMESTER			SEMESTER	
Phys. Ch. (Ch. 104, 105).....	5	5	Adv. Inorganic (Chem. 108) ..	3	3
Organic Chem. (Chem. 9)	4	4	Seminar (Chem. 114) .....	...	3
Quant. Anal. (Chem. 4)	3	3	Thermodynamics (Chem. 106) ..	3	...
Advanced Physics	3	3	Adv. Organic (Chem. 111).....	3	3
Elective* (No Lab.)	3	3	Adv. Org. Lab. (Chem. 112) ..	6	...
	18	18	Res. (Thesis) (Chem. 115).....	...	6
			Elective*	3	3
				18	18

THE EDUCATION CURRICULA

THE SECONDARY EDUCATION CURRICULUM

The Department of Education offers a four-year curriculum leading to the degree of Bachelor of Science in Education for the preparation of teachers in the junior and senior high school.

* Electives. For Freshmen: Botany, History, Political Science, Zoology; for others: Economics, Education, English, French, German, History, Mathematics, Mineralogy, Philosophy, Political Science, Psychology.

Students who have satisfied the requirements of the Freshman and Sophomore years in the College of Arts and Science may be allowed to transfer to Junior standing in this curriculum. Students desiring to make this transfer must present a written request to the Chairman of the Department which must be approved by the Dean of the College of Arts. Transfer will be permitted only in exceptional cases from the Colleges of Engineering and Agriculture and from the specialized curricula in the College of Arts and Sciences.

Students who plan to enter the profession of teaching should consult both the Chairman of the Department of Education and the Dean of the College at the earliest possible moment with reference to the selection of courses. The following outline gives a typical distribution of the courses normally required of all candidates for the degree of Bachelor of Science in Education.

THE FRESHMAN YEAR		1ST	2ND	THE SOPHOMORE YEAR		1ST	2ND
		SEMESTER				SEMESTER	
English Comp. (Eng. 1)		3	3	English 2, 7, 15, or 116		3	3
Foreign Language		3	3	Foreign Language		3	3
History or Political Science		3	3	Gen. Psychology (Psych. 1)		3	3
Laboratory Science		4	4	Approved Electives		6	6
Approved Elective		3	3	Physical Education 2		1	1
Physical Education 1		1	1	Military Science 2 (Men)		2	2
Military Science 1 (Men)		2	2				
THE JUNIOR YEAR		1ST	2ND	THE SENIOR YEAR		1ST	2ND
		SEMESTER				SEMESTER	
Pr. & Phil. of Ed. (Ed. 1, 5)		3	3	Meth. and Stud. Teach. (Ed. 7, 8)		3	3
His. of Ed. (Ed. 2) or Educational Psych. (Ed. 3)		3	—	English Elective	2-3	2-3	
H. S. Adm. (Ed. 3) or Adolescent Psych. (Ed. 4)		—	3	Approved Electives		9	9
English Elective	2-3	2-3					
Approved Electives		6	6				

Candidates for the degree must also complete two majors and one minor chosen from three departments of the College of Arts and Sciences, so selected as to correlate with the subjects generally taught in the high schools. The recommended subject-matter fields are: **English, Foreign Languages (particularly French and Latin), Mathematics, History, Social Studies, Biological Sciences, Physical Sciences.**

The University offers special curricula for those preparing to teach Agriculture, Home Economics, Commercial Subjects, and Music. Teachers of these special subjects frequently find it advisable to prepare to teach also a more general subject.

While curricula in Education are designed primarily to meet the requirements for certification in the State of Vermont, it is possible to meet

the requirements of other states if the program is properly planned at an early date.

THE ELEMENTARY EDUCATION CURRICULUM

This curriculum is offered by the University in cooperation with the Vermont State Board of Education. It is intended to offer an excellent preparation for teaching in the elementary schools. The degree of Bachelor of Education is given by the University of Vermont and State Agricultural College on recommendation of the Head of the Department of Education and the University Council.

Students of good moral character who have been graduated from an approved high school and who satisfy the entrance requirements specified by the State Board of Education are eligible for admission if recommended by the school principal.

A student who has satisfactorily completed one year of elementary teacher preparation in this State or the first year in a standard normal school or its full equivalent, may be admitted to sophomore standing, provided the entrance requirements have been met and a satisfactory record presented.

Graduates of the former two-year curriculum, if found qualified, may be admitted to the Elementary Education curriculum in Junior standing. Such students will be given a special enrollment supplementing the courses accepted for advanced credit and will be eligible to receive the degree of Bachelor of Education after satisfactory completion of two years of resident work.

The curriculum in Elementary Education may be modified for students who wish a more highly specialized preparation in other approved fields of study. The free electives included in the outlined curriculum usually provide fully for the supplementary majors desired.

The requirements for teaching certificates in the elementary schools are gradually increasing. In the future professional advancement will be contingent upon the equivalent of four years of preparation and a bachelor's degree. Successful teachers who have earned a degree and are interested in continuing their training may obtain a plan of study after consultation with the Head of the Department.

Students who are unable to spend four consecutive years in preparation for teaching may meet the present minimum for teaching certificates in the elementary schools of Vermont by completing two years of training in this curriculum. In such cases a special two-year enrollment is required and the sequences must be carefully planned in consultation with the Head of the Department of Education.

The State Board of Education allows Vermont students an exemption from tuition payment amounting to two hundred dollars a year provided the student signs an agreement to teach in Vermont for as long a time as the tuition is rebated. The University grants a one hundred fifty dollar scholarship to such students to cover the remainder of the tuition charge of three hundred and fifty dollars. These scholarships are subject to University regulations and are not credited to students who are under warning for low scholastic record or who are on probation for any reason. Students who change to another curriculum in the University or who transfer to another institution or who fail to keep the agreement to teach in Vermont become liable to the refund of all the tuition previously rebated.

Non-residents of Vermont who sign the agreement to teach in this state, may be accepted for enrollment if the quota of one hundred sixty-five is not filled by Vermont applicants. Such students receive the credit of two hundred dollars arising from the state scholarship but are liable for the one hundred fifty dollar balance of the tuition charge.

THE FRESHMAN YEAR			THE SOPHOMORE YEAR		
	1ST	2ND		1ST	2ND
	SEMESTER			SEMESTER	
Eng. Comp. & Rhet. (Eng. 1)	3	3	Eng. Literature (Eng. 2)	3	3
Intro. to Ed. (Ed. 321)	3	3	American History (Hist. 14)	3	3
Economic Geography (Ec. 9)	3	3	School Music 1 (Ed. 335)	3	3
Penmanship (Ed. 330)	1	1	Gen. Psychology (Psych. 1)	3	3
Hygiene (Ed. 328)	1		Science Elective	4	4
*Art Education 1 (Ed. 337)	2	2	*Art Education 2 (Ed. 338) or (2)	(3)	(2)
Electives	6	6	*Mental Hygiene (Ed. 340)	(3)	(3)
Physical Education (Ed. 334)	1	1	Military Science 2 (Men)	2	2
Military Science 1 (Men)	2	2	Physical Education (Ed. 334)	1	1
THE JUNIOR YEAR			THE SENIOR YEAR		
	1ST	2ND		1ST	2ND
	SEMESTER			SEMESTER	
Teaching Arith. (Ed. 325)	2	2	Curric. & Stud. Tchg. (Ed. 332)	6	6
Reading (Ed. 322)		2	Teaching Art (Ed. 341)	2	2
School Music 2 (Ed. 336)	3	3	Advanced Eng. Elective	3	3
Teaching English (Ed. 324)	3	3	Phys. Ed. Methods (Ed. 334)	1	1
Prin. of Ed. (Ed. 1) or Educational Psych. (Ed. 3)	3		Electives	5	5
Philosophy of Ed. (Ed. 5)		3			
English Elective	2-3	2-3			
Health Education (Ed. 334)	1	1			
Electives	3	3			

The above curriculum must be rearranged for students who wish to complete certification requirements in less than four years.

THE MUSIC EDUCATION CURRICULUM

The University of Vermont and State Agricultural College offers this four-year curriculum in Music Education leading to the degree of Bachelor

* May be postponed to a later year.

of Education. It is recommended to students who have sufficient training and natural musical ability to justify a career in music. Graduates are qualified for positions as instructors and supervisors of music in the public schools of Vermont. The curriculum may be adapted to meet requirements elsewhere.

Students must pass the aptitude tests given by the Department of Music and must satisfy the general admission requirements for the Elementary Education curriculum or for some curriculum offered in the College of Arts and Sciences.

This curriculum is designed to prepare qualified teachers for positions as instructors and supervisors of music.

THE FRESHMAN YEAR			THE SOPHOMORE YEAR		
	1ST SEMESTER	2ND SEMESTER		1ST SEMESTER	2ND SEMESTER
Musical Literature (Mus. 1).....	3	3	Elem. Harmony (Mus. 3)	3	3
Elem. Sight-singing (Mus. 8)	2	2	Adv. Sight-singing (Mus. 9).....	2	2
English Comp. (Eng. 1)	3	3	English Lit. (Eng. 2)	3	3
Elem. German (Ger. 1)	3	3	Intermed. German (Ger. 2).....	3	3
French or History	3	3	Gen. Psychology (Psych. 1).....	3	3
Applied Music (two courses) 2-3	2-3	2-3	Applied Music (two courses) 2-3	2-3	2-3
Physical Education 1	1	1	Physical Education 2	1	1
Military Science 1 (Men)	2	2	Military Science 2 (Men)	2	2
THE JUNIOR YEAR			THE SENIOR YEAR		
	1ST SEMESTER	2ND SEMESTER		1ST SEMESTER	2ND SEMESTER
Adv. Harmony (Mus. 4)	3	3	Orch. & Cond. (Music 11).....	3	3
Meth. & Prac. Tch. (Ed. 345)	3	3	Sec. Meth. & Prac. Teaching		
Aesthetics (Psych. 7) or Eng-lish or Language	3	3	(Mus. 10)	3	3
Prin. & Phil. of Ed. (Ed. 1, 5)	3	3	English or Italian	3	3
History of Art 1, 3	3	3	Education or Elective	3	3
Applied Music (two courses) 2-3	2-3	2-3	App. Mus. Meth. (Mus. 12).....	1	1
			App. Music (two courses).....	2-3	2-3

THE INDUSTRIAL EDUCATION CURRICULUM

The curriculum in Industrial Education is offered by the University of Vermont and State Agricultural College in cooperation with the Vermont State Board of Education. It is recommended to students who desire to teach and supervise Trade and Industrial courses in secondary schools or in industrial concerns.

The degree, Bachelor of Science in Industrial Education, is awarded by the University of Vermont and State Agricultural College on recommendation of the Head of the Department of Education and the Senate Committee on Degrees.

The program provides professional courses to meet the certification requirements for teachers of both Vocational Shop and related subjects (mathematics, science, and drawing related to the trades) and for teachers of Industrial Arts (shop work offered in the public school as a part of

general education rather than specific training for a trade or occupation as a part of vocational education), and courses for the improvement of teachers in service.

While trade experience of at least two years on a journeyman basis is required for those who expect to teach trade shop work, only one year of industrial experience is required for teachers of related subjects and for teachers of industrial arts.

Students may enroll in the Industrial Education curriculum as freshmen or in advanced standing by transfer from the College of Engineering not later than the beginning of the Junior year. Substitutions for courses regularly included in the curriculum must be approved by the Department.

The freshman and sophomore years are the same as in the Mechanical Engineering Curriculum, for which see page 127. The courses for the last two years are as follows:

THE JUNIOR YEAR			THE SENIOR YEAR		
	1ST SEMESTER	2ND SEMESTER		1ST SEMESTER	2ND SEMESTER
Ind. Metallurgy (M. E. 39) ...	3	...	Ind. Management (M.E. 43)...	3	...
Shop Practice (M.E. 33).....	2	2	Factory Planning (M.E. 44) ...	...	3
D.C. Circuits & Mach. (E.E. 36)	4	...	H. S. Admin. (Ed. 6).....	...	3
A.C. Circuits & Mach. (E.E. 37) .....	...	4	Trade Teaching (I. Ed. 2, 3) ...	1	1
Applied Art (Ed. 338)	2	...	Trade Analysis (I. Ed. 4, 5) ...	1	1
Prin. Voc. Ed. (I. Ed. 1).....	1	...	Instr. Matls. (I. Ed. 6, 7).....	1	1
Adolescent Psych. (Ed. 4) .....	...	3	Tch. Indus. Arts (I. Ed. 8) ...	2	2
Prin. of Ed. (Ed. 1)	3	...	Observ. & Tchg. (I. Ed. 9).....	...	3
Elem. Economics (Ec. 1).....	3	3	Shop Practice (M. E. 33)	4	2
Kinematics (M.E. 32) .....	...	3	Mechanics of Matls. (M.M. 6) ...	3	...
Elective .....	...	3	Wood Technology (For 8).....	3	3

COURSES OF INSTRUCTION

ART

Professors Colburn, Prindle, and Kidder; Mrs. Mills and Mr. Francis Colburn

HISTORY OF ART

1. GREEK ART. A general survey of the history of art in Greek lands through the Greco-Roman period, with emphasis on the development of sculpture and architecture, and some attention to the minor arts, especially vase-painting. The purpose is to help the student understand the meaning of art and appreciate some of the masterpieces. *Three hours, first semester. ELECTIVE EXCEPT TO FRESHMEN. Normally followed by History of Art 3.* *Professor Kidder*

2. A STUDY OF MODERN ART. The purpose of this course is to familiarize students with the modern and contemporary artists and to give them standards whereby they may judge the quality of any work of art. The Carnegie Collection of two thousand rare books and prints is extensively used in the course. *Two hours.* ELECTIVE EXCEPT TO FRESHMEN. Mrs. Mills
3. EUROPEAN PAINTING. A general survey of painting in Europe from 1400 to 1825. Attention is concentrated on the works of important painters and on the broader features of the historical background. Among the topics are museums and their functions, and the ways in which paintings are reproduced for study or for enjoyment in the home. *Three hours, second semester.* ELECTIVE EXCEPT TO FRESHMEN. See History of Art 1. Professor Prindle

APPLIED ART

1. APPLIED ART. The principles of design exemplified in such processes as stencilling, block printing, tooled leather, and batik. Studio Fee \$1.00 per semester. *Two hours credit, if taken in addition to History of Art 2 or History of Art 1 and 3.* ELECTIVE EXCEPT TO FRESHMEN.
2. APPLIED ART. Further exploration in the field of design, involving more complex problems. Studio Fee \$1.00 per semester. *Two hours credit, if taken in addition to History of Art 2 or History of Art 1 and 3.* ELECTIVE TO JUNIORS AND SENIORS. Mrs. Mills

FREE-HAND DRAWING AND PAINTING

1. FREEHAND DRAWING. Sketching from the figure and landscape in charcoal, brush, and crayon, emphasizing composition. Studio Fee \$1.00 per semester. *Two hours.* ELECTIVE.
2. DRAWING AND PAINTING. Advanced course requiring more difficult principles, techniques, and media. Fee \$1.00 per semester. *Two hours.* ELECTIVE. Professor Colburn
3. ADVANCED PAINTING. Painting from still life, landscape, and life for the more talented and experienced student. Studio Fee \$2.00 per semester. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN.

Mr. F. Colburn

ART EDUCATION

For courses in Art Education, see Index.

BOTANY

*Professors Burns, Lutman, Dole, Adams, Gersboj, and Marvin;
Dr. Thomson*

1. PRE-MEDICAL BOTANY. A course in elementary Botany particularly adapted to the requirements of pre-medical students. Problems of evolution, heredity, structure, and functions of plant organs. Laboratory Fee \$2.50 per semester. *Four hours, one semester, alternating with Zoology 1.* REQUIRED (PR. MED.) FRESHMEN.
Professors Burns and Dole; Dr. Thomson
2. ELEMENTARY BOTANY. Living organisms as illustrated by the origin, relationships, growth, reproduction, and physiology of the plant kingdom. Laboratory fee \$2.50 per semester. *Four hours.* ELECTIVE.
Professor Dole; Dr. Thomson
3. GENERAL BOTANY. A study of the morphology, anatomy, physiology and classification of higher plants. Lectures, recitations, laboratory. Fee \$2.50 per semester. *Three hours.* REQUIRED (AG.) FRESHMEN.
Professor Marvin
4. PLANT PHYSIOLOGY. An experimental study of the nutrition of higher plants, problems of irritability and response. Field, greenhouse and laboratory with lectures and readings. Laboratory Fee \$2.50 per semester. *Three hours.* REQUIRED (P. I.). ELECTIVE. PREREQUISITE: AN ELEMENTARY COURSE IN BOTANY.
Professor Marvin
5. ELEMENTARY BOTANY. The morphology and physiology of the organs of higher plants; biology of reproduction and heredity. Lectures and laboratory. Fee \$2.50. *Three hours, first semester.* BOTANY 5 OR ZOOLOGY 3. REQUIRED (HOME EC.) FRESHMEN.
Professor Burns
6. PLANT MORPHOLOGY. A study of plant types, representative of each of the larger phylogenetic groups. Special emphasis is placed on the evolutionary development of vegetative and reproductive structures. Life cycles, and an introduction to the phylogenetic system of classification. Laboratory Fee \$2.50 per semester. *Three hours.* ELECTIVE. PREREQUISITES BOTANY 2 OR 3. *Professor Dole*
7. EMBRYOLOGY OF SEED PLANTS. Special emphasis is placed on morphogenesis, reproduction, and heredity. A brief examination is made of diverse types of the spermatophytes. Laboratory, field work, and lectures. Laboratory Fee \$2.50. *Three hours, second semester.* ELECTIVE. PREREQUISITES: BOTANY 2 OR 3 AND 10. (Omitted 1942-43.)
Professor Gersboj

8. CYTOLOGY. This course includes the technique involved in the preparation of permanent slides for microscopic study and the detailed study of cell contents and cell processes; vegetative and reductive mitotic divisions; the development of the embryo-sac, etc. Laboratory Fee \$10.00. *Four hours, first semester.* PREREQUISITES: BOTANY 1 OR 2 AND ZOOLOGY 1 OR 2. *Professor Gersbohy*
9. ECOLOGY. A study of the physiological factors of habitats and their effect in plant structure and distribution. Field work and lectures. *Three hours, second semester.* PREREQUISITE: BOTANY 2 OR 3 OR THE EQUIVALENT. *Professor Burns*
10. PLANT PATHOLOGY. A course dealing with the healthy plant, conditions producing disease, insect-produced diseases, bacteria and fungi, fungicides and their action. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (P. I.) SENIORS. ELECTIVE TO OTHERS. *Professor Gersbohy*
11. GENERAL MICROBIOLOGY. A study of bacteria in soil, water, and air, morphology, classification, and requirements. Laboratory Fee \$5.00. *Four hours, first semester.* REQUIRED (AG.) SOPHOMORES. PREREQUISITE: AN ELEMENTARY COURSE IN BOTANY. *Dr. Thomson*
12. GENERAL BACTERIOLOGY. A lecture and laboratory course covering the principles and technique of growing and studying bacteria. Recommended especially to General Science and Pre-Medical students. Laboratory Fee \$5.00. *Three hours, first semester.* ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. PREREQUISITE: AN ELEMENTARY COURSE IN BOTANY. *Dr. Thomson*
13. HOUSEHOLD MICROBIOLOGY. A course dealing with bacteria, yeast, and molds and their relation to home sanitation and to food preservation. Laboratory Fee \$5.00. *Three hours, second semester.* REQUIRED (H. E.) JUNIORS. PREREQUISITE: AN ELEMENTARY COURSE IN BOTANY. *Dr. Thomson*
14. EDUCATIONAL BIOLOGY. See Education 346.
108. CURRENT LITERATURE IN BOTANY. A review of important papers and books. *One hour.* ELECTIVE TO JUNIORS AND SENIORS.
109. SPECIAL INVESTIGATION. Hours to be arranged. Laboratory Fee \$5.00 per semester. *Number of hours to be arranged.* ELECTIVE TO SENIORS BY PERMISSION. *Professors Burns and Lutman*
115. ADVANCED SYSTEMATIC BOTANY. *Three hours.* ELECTIVE BY PERMISSION. *Professor Dole*

CHEMISTRY

Professors Braun, Willmarth, †Crooks; Miss Brown, Mr. Lucarini, Dr. Newton, Dr. Patterson; Mr. Hinman, Mr. Purchase, and Mr. Rees

1. GENERAL CHEMISTRY. Lectures with demonstrations, recitations, and laboratory, including general experiments and elementary qualitative analysis. Fee \$5.00 per semester. *Four hours, first semester, and five hours, second semester.* REQUIRED (ENG., G. S., AGR.) FRESHMEN. ELECTIVE TO OTHERS. *Five hours each semester.* REQUIRED (CH.) FRESHMEN.
Professor Braun; Miss Brown, Messrs. Lucarini, Hinman, Purchase, and Rees
2. SEMIMICRO QUALITATIVE ANALYSIS. Lectures, classroom and laboratory work. Fee \$5.00. *Four hours, first semester.* REQUIRED (CH.) SOPHOMORES. ELECTIVE TO OTHERS. PREREQUISITE: CHEMISTRY 1.
3. ELEMENTARY QUANTITATIVE ANALYSIS. An introductory course including laboratory and classroom work. Laboratory Fee \$5.00. *Four hours, second semester.* REQUIRED (CH.) SOPHOMORES. ELECTIVE TO OTHERS. PREREQUISITE: CHEMISTRY 1 AND 2.
4. ADVANCED QUANTITATIVE ANALYSIS. A course comprising lectures and laboratory instruction with class meetings for discussion of methods. Laboratory Fee \$5.00 per semester. *Three hours.* REQUIRED (CH.) JUNIORS. ELECTIVE TO OTHERS. PREREQUISITES: CHEMISTRY 1, 2, AND 3.
Dr. Newton
5. QUANTITATIVE ANALYSIS FOR PRE-MEDICAL STUDENTS. This course, consisting of classroom and laboratory work, is adapted to students who are preparing for the study of medicine. *Three hours, first semester; repeated in the second semester.* Laboratory Fee \$5.00. ELECTIVE. PREREQUISITE: CHEMISTRY 1.
Mr. Lucarini and Dr. Newton
7. PHYSICAL CHEMISTRY. (Not offered 1942-43.)
9. ELEMENTARY ORGANIC CHEMISTRY. Lectures, discussions, and laboratory work, suitable for pre-medical students and those majoring in the biological sciences. Fee \$5.00 per semester. *Four hours.* REQUIRED (CH.) JUNIORS, ELECTIVE TO OTHERS. PREREQUISITE: CHEMISTRY 1.
Professor Braun; Dr. Patterson
15. AGRICULTURAL CHEMISTRY. A study of fundamentals of organic chemistry in special relation to agriculture. Lectures, recitations,

† Absent on leave: Military Service.

laboratory. Laboratory Fee \$5.00. *Three hours, second semester.*
REQUIRED (AG.) SOPHOMORES.

Professor Willmarth and Mr. Purchase

19. OUTLINES OF ORGANIC CHEMISTRY. Introduction to the principal classes of organic compounds with special emphasis on the composition of foods and their related groups. Lectures, recitations, laboratory. Laboratory Fee \$5.00. *Five hours, second semester.* REQUIRED (H.E.) FRESHMEN. *Professor Willmarth*
20. CHEMISTRY OF FOODS. A general discussion of foodstuffs with chemical analyses of milk, edible fats and oils, carbohydrate foods, proteins, and tests for preservations and adulterants. Lectures, recitations, laboratory. Laboratory Fee \$7.50. *Three hours, second semester.* REQUIRED (H. E. C. ED., NUTR.) SOPHOMORES. *Professor Willmarth*
22. GENERAL INORGANIC CHEMISTRY. Lectures, recitations, and laboratory, for students enrolled in the Home Economics Curriculum. Laboratory Fee \$5.00. *Five hours.* REQUIRED (H. E.) FRESHMEN. NOT OPEN TO OTHERS. *Professor Willmarth and Miss Brown*
24. BIOCHEMISTRY. The elements of biochemistry including the chemistry of digestion and a study of the bile and other digestive fluids. Qualitative and quantitative analyses of blood and urine and determination of hydrogen ion concentration. Lectures, recitations, laboratory. Laboratory Fee \$7.50. *Three hours, second semester.* REQUIRED (NUTR.) SOPHOMORES. *Professor Willmarth*
104. PHYSICAL CHEMISTRY. This course consists of lectures, recitations and problem work. *Three hours.* REQUIRED (CH.) JUNIORS. ELECTIVE TO OTHERS. PREREQUISITES: CHEMISTRY 1, PHYSICS 1, AND MATHEMATICS 2. *Dr. Newton*
105. PHYSICAL CHEMISTRY. This laboratory course is recommended to students who enroll in Chemistry 104. Laboratory Fee \$5.00 per semester. *Two hours.* REQUIRED (CH.) JUNIORS. ELECTIVE TO OTHERS. PREREQUISITES: CHEMISTRY 1, PHYSICS 1, AND MATHEMATICS 2. *Dr. Newton; Mr. Hinman*
106. ADVANCED PHYSICAL CHEMISTRY. Lectures and recitations, including advanced work in such fields as thermodynamics and kinetics. *Three hours.* REQUIRED (CH.) SENIORS; ELECTIVE TO OTHERS. PREREQUISITES: CHEMISTRY 104, 105.
108. ADVANCED INORGANIC CHEMISTRY. Recent developments regarding the structure and reactions of inorganic compounds with special emphasis on coordination compounds, complex acids, and hydrides.

The second semester continues with a treatment of free radicals, oxides, non-metallic elements, metals, metallic carbonyls, and non-aqueous solvents. *Three hours.* REQUIRED (CH.) SENIORS. ELECTIVE TO OTHERS. PREREQUISITES: CHEMISTRY 104, 105.

Dr. Patterson

111. ADVANCED ORGANIC CHEMISTRY. A lecture course with discussions of the modern theories of organic chemistry and their applications. Current journals and books on organic chemistry are used as works of reference. *Three hours.* PREREQUISITE: CHEMISTRY 9 AND 104. REQUIRED (CH.) SENIORS. ELECTIVE BY PERMISSION. *Professor Braun*
- 112-A. ADVANCED ORGANIC CHEMISTRY LABORATORY. The preparation and general study of organic compounds. The preparations are chosen to illustrate the major reactions used in organic synthesis. Reference to the original literature is required. Laboratory Fee \$5.00. *Three hours, first semester.* REQUIRED (CH.) SENIORS. ELECTIVE BY PERMISSION. PREREQUISITE: CHEMISTRY 9. *Professor Braun*
- 112-B. QUALITATIVE ORGANIC ANALYSIS. Lectures and laboratory work involving the characterization and identification of organic compounds, including compounds in mixtures, with emphasis on solubility relationships, class reactions, and the preparation of derivatives. Laboratory Fee \$5.00. *Three hours, first semester.* REQUIRED (CH.) SENIORS. ELECTIVE BY PERMISSION. PREREQUISITE: CHEMISTRY 9. *Dr. Patterson*
114. CHEMISTRY SEMINAR. Students will present reports on current research papers appearing in the original literature in English or German. *Three hours, second semester.* REQUIRED (CH.) SENIORS. ELECTIVE BY PERMISSION. *The Chemistry Staff*
115. THESIS RESEARCH. The student may elect the field for his thesis work from inorganic, analytical, physical, or organic chemistry. He will work under the direction and advice of a staff member, submit his findings in written form, suitably bound, to the Department of Chemistry to be filed. Laboratory Fee \$10.00. *Six hours, second semester.* REQUIRED (CH.) SENIORS. ELECTIVE BY PERMISSION. *Professor Braun; Drs. Newton and Patterson*

CLASSICAL LANGUAGES

Professors Prindle, Kidder, and Pooley

GREEK

- A. ELEMENTARY GREEK. This course is intended for those who desire a slight acquaintance with the language as well as for those who wish to continue the study of Greek. It serves as a preparation for Greek 1. *Four hours.* *Professor Pooley*
1. PLATO AND HOMER. The works usually read are Plato's *Apology* and selections from other dialogues, as well as selections from the *Iliad* and *Odyssey* of Homer. *Three hours.* ELECTIVE. PREREQUISITE: GREEK A OR THE EQUIVALENT.
2. GREEK DRAMA. The course includes the reading of three plays of Sophocles, Euripides, and Aristophanes, and lectures on the Greek theatre and on the origin, evolution, and history of Attic tragedy and comedy. *Three hours.* ELECTIVE. PREREQUISITE: GREEK 1.
3. GREEK LITERATURE IN TRANSLATION. See Comparative Literature 1.
107. ADVANCED PROSE COMPOSITION. *One hour.* ELECTIVE BY PERMISSION.
109. ADVANCED READING COURSE. The course normally includes selections from the works of Herodotus and Thucydides, with attention to the development of historiography. Other authors may be chosen, according to the needs and interests of the class. *Three hours.* ELECTIVE. PREREQUISITE: GREEK 2. *Professor Kidder*

LATIN

- A. Elementary Latin. The elements of the language, for students presenting less than two years of entrance Latin. *Three hours, if Latin B is also completed.* ELECTIVE.
- B. Intermediate Latin. Further study of vocabulary, forms, and syntax, and readings from such authors as Caesar, Cicero, Ovid, and Virgil. *Three hours.* ELECTIVE. PREREQUISITE: AT LEAST TWO YEARS OF HIGH-SCHOOL LATIN OR LATIN A.
1. LATIN PROSE AND POETRY. The works usually read are: Selections from Livy or Cicero; Virgil, *Eclogues*; Plautus or Terence, one play. *Three hours.* ELECTIVE. PREREQUISITE: FOUR YEARS OF LATIN FOR ENTRANCE OR LATIN B.

2. HORACE, CATULLUS, AND PLINY. The works usually read are: Horace, *Odes* and *Epodes*; selections from the poems of Catullus and the letters of Pliny. *Three hours*. ELECTIVE. PREREQUISITE: LATIN 1.
11. CLASSICAL MYTHOLOGY. See Comparative Literature 3.
- *14. THE TEACHING OF LATIN. The place of Latin in the curriculum, the aims of Latin teaching, ways of studying vocabulary, syntax, and derivatives, the selection and use of textbooks and illustrative material. Lectures, discussions, outside readings, and papers. *Three hours, second semester*. REQUIRED FOR RECOMMENDATION TO TEACH LATIN. PREREQUISITE: LATIN 2. *Professor Kidder*
16. THE LATIN AND GREEK ELEMENTS IN THE ENGLISH VOCABULARY. Among the topics treated are dictionaries and their use, the Indo-European family of languages, a sketch of the history of the English language, word formation, the ways in which Latin and Greek words have come into English, and the respective places of the Classical and Anglo-Saxon elements in the English vocabulary. *Two hours*. ELECTIVE EXCEPT TO FRESHMEN. SOME KNOWLEDGE OF LATIN IS REQUIRED. (Offered 1943-44.)
Professor Prindle
17. LATIN LITERATURE IN TRANSLATION. See Comparative Literature 2.
- †104. TACITUS. A reading of selections and a study of Tacitus as an historian and as a literary artist. *Three hours, first semester*. ELECTIVE. PREREQUISITE: LATIN 2. (Offered 1943-44.)
105. CICERO. Selections from the *Orations*, the *Letters*, and the philosophical works are studied in detail. Attention is given to the position of Cicero in the political and literary history of his age. *Three hours, second semester*. ELECTIVE. PREREQUISITE: LATIN 2. (Offered 1944-45.)
Professor Pooley
106. VIRGIL. The whole of the *Aeneid* is read in the original or in translation. The poem is considered with reference to its structure, its literary qualities, and its position in the literature of Rome and of the world. *Three hours, second semester*. ELECTIVE. PREREQUISITE: LATIN 2. (Offered 1943-44.)
Professor Prindle
- †107. ROMAN ELEGY. Reading of selections from Tibullus, Ovid, and Propertius and consideration of the development of the elegy.

* Latin 14, a course in special methods required in some states, may be counted as a half-course in Education if taken in conjunction with Education 1, 5, 7, and 8.

† Either 104 or 107 will be given in 1943-44, in accordance with the preference of the students.

Three hours, first semester. ELECTIVE. PREREQUISITE: LATIN 2.
(Offered 1943-44.) Professor Kidder

109. PROSE COMPOSITION. Advanced course. *Three hours, first semester.* REQUIRED OF ALL STUDENTS WHO WISH TO BE RECOMMENDED TO TEACH LATIN. ELECTIVE TO OTHERS. PREREQUISITE: LATIN 2.
Professor Pooley

112. OVID. Selections from the *Metamorphoses* are studied in detail. Rapid reading from other works of Ovid. *Three hours, first semester.* ELECTIVE. PREREQUISITE: LATIN 2. (Offered 1944-45.)
Professor Prindle

COMPARATIVE LITERATURE

1. GREEK LITERATURE IN TRANSLATION. Lectures on the development of the various branches of Greek literature and on its chief authors, with special emphasis on Homeric epic and drama. Readings in standard translations from the more important writers. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. No knowledge of Greek required. Professor Kidder
2. LATIN LITERATURE IN TRANSLATION. Lectures on the development of Latin literature and on the principal Latin writers, with some emphasis on the historical background. Attention to the relation of Latin literature to Greek and to English literature. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS. No knowledge of Latin required. Professor Prindle
3. CLASSICAL MYTHOLOGY. The more important myths and their influence on English literature and on art. Lectures, assigned readings, short papers, and recitations. *Two hours.* ELECTIVE. PREREQUISITE: SOPHOMORE STANDING AND SOME CLASSICAL BACKGROUND. (Offered 1944-45.) Professor Prindle
4. GERMAN LITERATURE IN TRANSLATION. Lectures on the development of German literature from the earliest times, reading and discussion of representative works, mainly from the Classic Period and the nineteenth and twentieth centuries. *Two hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. No knowledge of German required. Professor Carpenter
5. SCANDINAVIAN LITERATURE IN TRANSLATION. The old Norse civilization and literature including the Elder Edda and the sagas followed by a study of the principal Scandinavian authors of the nineteenth and twentieth centuries. Lectures on the periods not covered by adequate translation. *Two hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS. Professor Carleton

ECONOMICS

Professors Groat, Briggs, Woodard, Nulty, and Davis; Miss Morgan and Hr. Haller

1. ELEMENTARY ECONOMICS. An introductory course covering the elements of the subject. *Three hours.* REQUIRED (BUS.) SOPHOMORES. ELECTIVE EXCEPT TO FRESHMEN. *Mr. Haller*
3. PUBLIC FINANCE AND TAXATION. An introduction to the principles and problems of government spending, borrowing, and taxing. Special attention to particular methods and problems as determined by a nation at war. *Three hours.* REQUIRED (BUS.) SENIORS. ELECTIVE TO JUNIORS AND SENIORS. (Not offered 1942-43.)
4. MARKETING AND ADVERTISING. Economic principles as applied to exchange and distribution of products; practical application to wholesale and retail procedure; methods of selling; advertising; protection of consumers. War controls applied by government. *Three hours.* REQUIRED (BUS.) SENIORS. ELECTIVE TO JUNIORS AND SENIORS. (Not offered 1942-43.)
6. ECONOMIC HISTORY OF ENGLAND. An outline of the development of English agriculture, commerce, industry, and finance. *Three hours, first semester.* REQUIRED (BUS.) SOPHOMORES. ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS.
7. ECONOMIC HISTORY OF THE UNITED STATES. An outline of the development of agriculture, manufactures, transportation, commerce, and finance, with special emphasis on the period of national development. *Three hours, second semester.* REQUIRED (BUS.) SOPHOMORES. ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. *Professor Woodard*
8. STATISTICS. An introductory course in the basic methods of statistical computation, and the principles of statistical interpretation. *Three hours, first semester; repeated, second semester.* REQUIRED (BUS.) SOPHOMORES. ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. *Professor Briggs*
9. ECONOMIC GEOGRAPHY. Geography as a basis for economic development; importance of materials, distribution, and transportation to national economies in war and peace. *Three hours.* REQUIRED (BUS.) SOPHOMORES. ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. *Professor Woodard and Miss Morgan*

12. ACCOUNTING. An elementary course emphasizing the principles of accounting, with such practical work as is necessary to illustrate them. *Three hours.* REQUIRED (BUS.) JUNIORS. ELECTIVE TO JUNIORS AND SENIORS. *Professor Briggs*
16. BUSINESS ADMINISTRATION. A course to develop a comprehensive knowledge of the main forms of business structure on the technical and administrative side and the adaptation of these to different kinds of business activity. *Three hours, second semester.* REQUIRED (BUS.) SENIORS. ELECTIVE TO JUNIORS AND SENIORS. *Professor Groat*
20. BUSINESS LAW. The general principles of business law as shown in cases arising out of typical business relations. *Three hours, first semester; repeated, second semester.* REQUIRED (BUS.) SOPHOMORES. ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. *Professor Briggs*
102. MONEY AND BANKING. An analysis of the various types of currency and the application of banking principles to foreign and domestic business. *Three hours.* REQUIRED (BUS., SEC.) JUNIORS; (C. T.) SENIORS. ELECTIVE TO JUNIORS AND SENIORS. (Not offered 1942-43.)
105. CORPORATION FINANCE AND INVESTMENTS. A comparison of the various types of business enterprise and elaboration of the principles of financing large-scale industry followed by instruction in the methods of analyzing investments and of determining investment policies. *Three hours.* REQUIRED (BUS.) SENIORS. ELECTIVE TO JUNIORS AND SENIORS. *Professor Briggs*
- 105A. MONEY, BANKING AND FINANCE. A special course for students preparing for teaching in Business Education courses. Emphasis upon use of money in exchange processes, practical banking procedure and training in use of checks, notes, and drafts. *Three hours.* REQUIRED (C. T.) SENIORS. NOT OPEN TO OTHERS. *Professor Briggs*
110. SOCIAL ECONOMICS AND CONSUMPTION. Modern industry with reference to its effects upon social welfare; population changes, national income and its distribution, standards of living, family budget studies, and cooperation as these affect social well-being. Consequences of war in terms of inflation and living standards. *Three hours.* REQUIRED (BUS.) JUNIORS. ELECTIVE TO JUNIORS AND SENIORS. (Not offered 1942-43.)
111. LABOR PROBLEMS AND PERSONNEL MANAGEMENT. The principles involved in the employer-employee relation, including attitudes,

policies, and forms of organization. Emphasis upon national policy of collective bargaining as established by government; and present government-labor policy in war. *Three hours, first semester.* REQUIRED (BUS.) JUNIORS. ELECTIVE TO JUNIORS AND SENIORS.

Professor Groat and Miss Morgan

113. ADVANCED ACCOUNTING. The principles and practice of advanced accounting. *Three hours.* ELECTIVE TO SENIORS. PREREQUISITE: ECONOMICS 12. *Professor Briggs*
114. ADVANCED ECONOMICS. An advanced course in economic theory, emphasizing especially the relationship between the development of economic doctrines and industrial changes. *Three hours.* REQUIRED (BUS.) SENIORS. ELECTIVE TO SENIORS. PREREQUISITE: ECONOMICS 1. (Not offered 1942-43.)
115. SEMINAR IN ECONOMICS. An advanced course open to those who have shown ability to undertake independent investigation. *Three hours.* ELECTIVE TO SENIORS BY PERMISSION. PREREQUISITE: A SATISFACTORY MAJOR IN ECONOMICS. *Professor Groat*

ECONOMICS (*Secretarial*)

Professors Nulty and Davis

52. ELEMENTARY SHORTHAND. Instruction in the fundamental principles of Gregg Shorthand. Dictation of business letters. *Five hours.* REQUIRED JUNIORS (SEC. AND C. T.). NOT OPEN TO OTHERS.
53. ADVANCED SHORTHAND. Dictation covering a broad business vocabulary, and a variety of literary and technical subject-matter. Emphasis on speed in taking shorthand and in transcribing. *Five hours.* REQUIRED (SEC. AND C. T.) SENIORS. NOT OPEN TO OTHERS. *Professor Nulty*
56. ELEMENTARY TYPEWRITING. Instruction in the care of the typewriter; correct technique; mastery of the keyboard; practice in variety of forms of material. *Five hours.* REQUIRED (SEC. AND C. T.) JUNIORS. NOT OPEN TO OTHERS.
57. ADVANCED TYPEWRITING. Development of typing speed. Projects covering the different kinds of commercial typing. Transcription of shorthand notes. *Five hours.* REQUIRED (SEC. AND C. T.) SENIORS. NOT OPEN TO OTHERS. *Professors Nulty and Davis*
58. BUSINESS CORRESPONDENCE. Business letters and report writing. *Three hours.* REQUIRED (SEC. AND C. T.) SOPHOMORES. NOT OPEN TO OTHERS.

59. FILING. Methods of indexing and filing; business reference books. Laboratory practice. *Three hours, first semester.* REQUIRED (SEC.) FRESHMEN. NOT OPEN TO OTHERS.
60. BUSINESS ORGANIZATION AND MANAGEMENT. Survey of organization and management policies in modern business. *Three hours, second semester.* REQUIRED (SEC.) FRESHMEN. NOT OPEN TO OTHERS.
61. SECRETARIAL SCIENCE. The duties performed by the secretary in the business office. Laboratory practice. *Three hours, second semester.* REQUIRED (SEC. AND C. T.) SENIORS. NOT OPEN TO OTHERS.
62. OFFICE MANAGEMENT. The general principles of organization and management applied to the office. Laboratory practice on office machines. *Three hours, first semester.* REQUIRED (SEC. AND C. T.) SENIORS. NOT OPEN TO OTHERS. *Professor Davis*
63. PRINCIPLES AND METHODS IN BUSINESS EDUCATION. The principles underlying the organization of high-school business curricula, the aims and content of business subjects offered in both the junior and senior high school, and the most effective methods of teaching these subjects. *Three hours, first semester.* REQUIRED (C. T.) SENIORS. NOT OPEN TO OTHERS.
64. OBSERVATION AND PRACTICE TEACHING IN BUSINESS EDUCATION. Directed observation and supervised practice in teaching the business subjects in a junior or senior high school in or near Burlington. General conference once a week; individual conferences with supervisor and training teacher. Study of special methods begun in Ec. 63 continued in this course. *Three hours, second semester.* REQUIRED (C. T.) SENIORS. NOT OPEN TO OTHERS. *Professor Nulty*

EDUCATION

Professors Douglass, Holbrook, Elizabeth Colburn, Nelle Adams, Sullivan, Pearl, Eleanor Cummings, Rowell, Marvin, Martin, LeBaron; Miss Marston, Mrs. Mills, Miss Parker, Mr. Pappoutsakis, Miss Perrin, Mrs. Morrill, Miss Brown, and Miss Madigan

*SECONDARY EDUCATION

1. PRINCIPLES OF EDUCATION. The aims and principles underlying the educative process; the organization of the public school system and the principles which determine the selection and treatment of subject-matter in the classroom. *Three hours, first semester.* REQUIRED (S. ED., EL. ED., MUS. ED., TCH. AG., TCH. H. E., C. T.) JUNIORS. ELECTIVE TO OTHER JUNIORS AND SENIORS.

Professors Holbrook, Nelle Adams; Mrs. Morrill

2. HISTORY OF EDUCATION. A study of modern education in the light of historical development and the influences of the most significant historical movements upon present educational theory and practice. *Three hours, first semester.* REQUIRED (S. ED.) JUNIORS OR SENIORS. ELECTIVE TO OTHER JUNIORS AND SENIORS. *Professor Douglass*

3. EDUCATIONAL PSYCHOLOGY. The application of psychological principles and findings to the work of the school, including such topics as the influence of heredity and environment; growth and learning; the influence of social environment; the measurement of intelligence and achievement. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: PSYCHOLOGY 1.

Professor Douglass

4. PSYCHOLOGY OF ADOLESCENCE. The growth of youth from the close of childhood to the threshold of adulthood. Consideration is centered upon boys and girls as they develop physically, emotionally, socially, morally, and intellectually. *Three hours, second semester.* REQUIRED (C. T.) JUNIORS. ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: PSYCHOLOGY 1.

Professor Holbrook

5. PHILOSOPHY OF EDUCATION. Educational theory based upon psychological principles and present day social needs; the relationships

* Students who are preparing to teach in secondary schools are referred to the following specialized courses which are offered in other departments: Agricultural Education 2, 3, 4, 5, 10 (Teaching and Methods); Economics 63 (Methods in Commercial Education); English 116 (Advanced Composition); French 108 (Conversation and Composition); German 108 (Composition and Conversation); Greek 107 (Advanced Prose Composition); Home Economics 16 (Teaching Methods); Latin 9, 14 (Composition and Methods); Mathematics 14 (Teaching Mathematics); Music 10 (Music Methods); Spanish 104 (Conversation and Composition). For the curriculum in Secondary Education refer to the Index.

of education to social welfare and the demands made upon education by a modern democratic society. *Three hours, second semester.* REQUIRED (S. ED., EL. ED., MUS. ED.) JUNIORS OR SENIORS. ELECTIVE. PREREQUISITE: ONE COURSE IN EDUCATION.

Professors Douglass, Holbrook and Adams; Mrs. Morrill

6. HIGH SCHOOL ADMINISTRATION. The objectives, administration, and supervision of the secondary school with particular reference to professional relationships; pupil guidance; curricular and extra-curricular activities. *Three hours, second semester.* REQUIRED (S. ED.) SENIORS. ELECTIVE TO OTHER JUNIORS AND SENIORS.

Professor Douglass

7. PRINCIPLES AND MODERN PROCEDURES IN SECONDARY EDUCATION. General methods of secondary school instruction and special methods in the student's proposed teaching field; problems of classroom management, pupil diagnosis, and guidance. The special methods phase, continued into Education 8, is developed individually by each student through directed reading and study through group and individual conferences with the instructor and the training teacher. *Three hours, first semester.* ELECTIVE TO SENIORS. PREREQUISITE: A SATISFACTORY GRADE IN EDUCATION 1 WITH STATEMENT OF INTENTION TO TEACH.

8. STUDENT TEACHING IN SECONDARY SCHOOLS. Each student is assigned to a class in a junior or senior high school in or near Burlington. His teaching is observed and criticized by his training teacher, the course instructor, and the school principal. Practice Fee \$10.00. *Three hours, second semester.* PREREQUISITES: SATISFACTORY CREDIT IN EDUCATION 1 AND EDUCATION 7; THE APPROVAL OF THE ENROLLMENT BY THE DEPARTMENT OF EDUCATION AND THE DEPARTMENT IN WHICH THE STUDENT IS SPECIALIZING.

Professor Pearl

9. INTRODUCTORY COURSE IN EDUCATIONAL MEASUREMENTS. An introductory survey of tests of intelligence, performance, achievement, personality, and aptitudes. Laboratory Fee \$2.00. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS.
10. ADVANCED COURSE IN EDUCATIONAL MEASUREMENTS. The study and administration of individual and group intelligence and achievement tests and their practical application in educational and vocational guidance. Laboratory Fee \$2.00. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS.

Professor Holbrook and Miss Parker

11. SCHOOL ADMINISTRATION. A study of State, county, and local school administration and supervision conducted as a research seminar. *Three hours.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS.
13. SCHOOL AND CLASS MANAGEMENT. (Omitted in 1942-43.)
112. SEMINAR. Problems in present-day education studied by individuals and the group. Methods of investigation and standards for the presentation of material. *Three hours.* ELECTIVE BY PERMISSION TO SENIORS IN EDUCATION AND GRADUATE STUDENTS IN EDUCATION.
Professor Douglass and the Departmental Professors

*ELEMENTARY EDUCATION

321. INTRODUCTION TO EDUCATION. The elements of psychology as applied to the learning process and child development; a comprehensive preview of the whole program of education, including observations. Observation Fee \$1.00 each semester. *Three hours.* REQUIRED (EL. ED.) FRESHMEN.
Professor Nelle Adams
322. READING IN THE ELEMENTARY SCHOOL. The principles underlying the teaching of reading including reading readiness, remedial reading, phonetics, and the cultivation of correct study habits; the use of standard tests for purposes of diagnosis and improvement. Observation Fee \$1.00. *Two hours, second semester.* REQUIRED (EL. ED.).
Professor Nelle Adams
324. PROBLEMS OF TEACHING ENGLISH IN THE ELEMENTARY GRADES. Principles and techniques in the teaching of the language arts, including spelling and handwriting. Common speech problems and their solutions. A study of literature, old and new, for children is an integral part of this course. Observation Fee \$1.00 each semester. *Three hours.* REQUIRED (EL. ED.) FRESHMEN AND SOPHOMORES.
Professor Sullivan
325. THE TEACHING OF ARITHMETIC IN THE ELEMENTARY SCHOOL. Subject matter and modern methods of presentation. A remedial course is offered the first semester for those who fail to meet necessary standards. In the second semester emphasis is placed on aims and principles of teaching arithmetic. Observation Fee \$1.00. *Two hours.* REQUIRED (EL. ED.) FRESHMEN, SOPHOMORES OR JUNIORS.
Professor Nelle Adams
329. ENGLISH AND LITERATURE. (See English 1 and 2.)
Professor Sullivan

* For the curriculum in Elementary Education, see Index.

330. **PENMANSHIP.** This course includes practice under supervision for all who have not attained the required degree of proficiency; the use of scales in evaluating penmanship; instruction in methods of teaching and blackboard writing. *One hour.* REQUIRED (EL. ED.) FRESHMEN. *Miss Madigan*

331. **THE TEACHING OF SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL.** Subject matter, procedures and techniques applicable to the teaching of the social studies, including geography and history and elementary science, and their integration with other subjects of the elementary school. *Two semester hours.* REQUIRED (EL. ED.) STUDENTS WHO DO NOT ENROLL IN EDUCATION 332. *Miss Perrin*

332. **THE ELEMENTARY SCHOOL CURRICULUM AND STUDENT TEACHING.** The curriculum of the elementary school with emphasis upon desirable grade placement, methods of instruction, school organization, and control. Observation, participation, and student teaching in graded and one-room schools are included. Practice Fee \$2.00. *Six hours.* REQUIRED (EL. ED.) ALTERNATE REQUIREMENT WITH EDUCATION 331 FOR EL. ED.

*Professor Douglass, Nelle Adams, Colburn, and Sullivan;
Miss Perrin and Mr. Pappoutsakis*

334. **PHYSICAL EDUCATION AND HYGIENE.** In the Freshman year personal and community health, team and individual sports, and various types of dances; in the Sophomore year, a wide variety of outdoor and schoolroom games and folk dances for the elementary schools, playground organization, and teaching games; in the Junior year, health education; in the Senior year, the teaching of physical education with student teaching. *Two hours.* REQUIRED (EL. ED.) FRESHMEN AND SOPHOMORE WOMEN. *One hour.* REQUIRED (EL. ED.) JUNIOR AND SENIOR WOMEN.

Professor Eleanor Cummings

335. **SCHOOL MUSIC 1.** Ear training, music reading, and writing, elementary theory. Designed to supply the subject matter prerequisite to El. Ed. 336 (School Music 2). *Three hours.* REQUIRED (EL. ED.)
336. **SCHOOL MUSIC 2.** A study of the basic principles in elementary school music teaching. *Three hours.* PREREQUISITE: EL. ED. 335 OR MUSIC 8. REQUIRED (EL. ED.). *Mr. Pappoutsakis*

337. **ART EDUCATION 1.** The theory and practice of art and the development of skill and judgment through drawing, painting, lettering, and handwork. Special emphasis is given to art appreciation.

Studio Fee \$1.00 per semester. *Two double periods.* REQUIRED (EL. ED.).

338. ART EDUCATION 2. A study of the principles of color and design as applied in various art projects. Studio Fee \$1.00 per semester. *Two double periods.* ELECTIVE (EL. ED.).

Professor Colburn and Mrs. Mills

339. ELEMENTARY CURRICULUM AND STUDENT TEACHING FOR TWO- AND THREE-YEAR STUDENTS. Includes (1) a study of curriculum content, organization, and procedures in relation to child growth and development; (2) a study of teacher's responsibilities in the school and community; and (3) observation, participation, and student teaching in rural and city schools. Practice Fee \$2.00 per semester. *Six hours.* REQUIRED (EL. ED.). *Miss Perrin*

340. MENTAL HYGIENE, ARTS AND CRAFTS. Mental hygiene in its relation to the school program, and arts and crafts by way of the psychological and technique approach. Special emphasis on how certain crafts motivate, stimulate, and act as therapeutic agents for pupil adjustment. Studio Fee \$1.00 per semester. *Three hours.* (EL. ED.). ALTERNATE REQUIREMENT WITH ELEMENTARY EDUCATION 338.

Miss Parker and Professor Holbrook

341. THE TEACHING OF ART. Art principles and processes as integrated with present educational practice will be discussed, demonstrated, and observed. Students are trained to recognize and meet the art needs of varying situations. *Two hours, first semester.* REQUIRED (EL. ED.) SENIORS. *Professor Colburn*

345. ELEMENTARY SCHOOL MUSIC METHODS AND STUDENT TEACHING. See Music 345.

346. EDUCATIONAL BIOLOGY. The anatomy, physiology, and development of plants and animals; native flora and fauna studied on field trips; the preparation and presentation of biological material. Laboratory Fee \$4.00 per semester. *Four hours.* ELECTIVE (EL. ED. ONLY).

Professors Marvin and Rowell

*INDUSTRIAL EDUCATION

1. PRINCIPLES OF VOCATIONAL EDUCATION. A study of the history, principles and problems, including early apprenticeship system, state and federal legislation and aid, and modern trends in industrial training. *One hour, first semester.* REQUIRED (IND. ED.) SENIORS.

* For the curriculum in Industrial Education, see Index.

2. METHODS OF TRADE TEACHING. This course presents the relation of Vocational Education and Industrial Arts and methods of teaching industrial shop and related subjects. *One hour, first semester.* REQUIRED (IND. ED.) SENIORS.
3. METHODS OF TRADE TEACHING (ADVANCED). A continuation of the work of Industrial Education 2, emphasizing technique and offering practice in the application of methods of teaching industrial subjects. *One hour, second semester.* REQUIRED (IND. ED.) SENIORS.
4. TRADE ANALYSIS. An analytical study of trade practice as a basis of course planning. *One hour, first semester.* REQUIRED (IND. ED.) SENIORS.
5. TRADE ANALYSIS (ADVANCED). A continuation of the course in Industrial Education 4 presenting the organization of trade content, discovered by analysis, into useful outlines of instruction. *One hour, second semester.* REQUIRED (IND. ED.) SENIORS.
6. PREPARATION OF INSTRUCTIONAL MATERIALS. A survey of organized instructional material and a study of the principles and methods involved. *One hour, first semester.* REQUIRED (IND. ED.) SENIORS.
7. PREPARATION OF INSTRUCTIONAL MATERIALS (ADVANCED). A continuation of Industrial Education 6 with emphasis on practice in preparing materials. *One hour, second semester.* REQUIRED (IND. ED.) SENIORS.
8. TEACHING INDUSTRIAL ARTS. A study of the organization and management of the general shop or laboratory of industries. *Four hours.* REQUIRED (IND. ED.) SENIORS.
9. OBSERVATION AND DIRECTED TEACHING. This course includes observation and conference discussions, followed by supervised practice in teaching of trade and industrial classes in the public schools of Burlington and vicinity. *Three hours, second semester.* REQUIRED (IND. ED.) SENIORS.
10. SPECIAL PROBLEMS. A study and investigation of problems of special interest to the student. Formal preparation of results in thesis form required. *Two or three hours.* ELECTIVE (IND. ED.) SENIORS.

*ENGLISH

Professors Tupper, Aiken, Lindsay, Pope, Dean, Hall, Wainwright, †Carleton, and Sullivan; Mr. Powers, ‡Mr. Merrick, and Dr. Hughes

1. FRESHMAN COMPOSITION. An elementary course, including criticism of the common errors of speech; study of words, sentences, and paragraph construction; theme writing, oral reports, and study of selected literature as illustrative of the principles discussed. *Three hours.* REQUIRED OF ALL FRESHMEN.
2. HISTORY OF ENGLISH LITERATURE. An outline study of the History of English Literature from its beginning through the Victorian Period. This course is normally considered a prerequisite to advanced courses in English literature. *Three hours.* REQUIRED OF STUDENTS CONCENTRATING IN ENGLISH.
Professors Aiken, Lindsay, Pope, Dean, Hall, Wainwright, and Sullivan; Dr. Hughes
3. ENGLISH LITERATURE FROM 1700 TO 1900. Lectures and seminars upon the poets and important literary movements from the Restoration through the Victorian age. The course includes a series of lectures upon the history and principles of English versification. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1942-43.) *Professor Tupper*
6. SHAKSPERE AND HIS CONTEMPORARIES. A study of Elizabethan drama by lectures and collateral reading with literary study and textual interpretation of selected plays of Shaksperc. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS.

(1942-43) *Professor Pope*
(1943-44) *Professor Tupper*

7. AMERICAN LITERATURE. A general survey of American prose and poetry from the Colonial period to the present time with lectures,

* Sophomores must take one of the following courses: English 2, English 7, English 15, or English 116; those who intend to concentrate in English should take English 2. Substitutions for sophomore English may be made by the Department.

A student concentrating in English must take thirty hours in courses offered by the Department. Other courses to make up the thirty-six hours for the field of concentration should be chosen from advanced courses in the departments of Classical Languages, Comparative Literature, German, History, Philosophy, Religion, and Romance Languages.

Other courses offered by members of the English Department are listed under Comparative Literature and Religion.

† Absent on leave: Military Service.

‡ Military leave.

reports, and collateral reading. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN. *Professor Lindsay*

8. ARGUMENTATION. An outline study of the elements of Argumentation with class discussions and practice in brief writing. *One hour.* ELECTIVE. *Mr. Powers*
9. THE ENGLISH NOVEL. A critical study of masterpieces of English fiction to the nineteenth century. *Two hours.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1942-43.)
10. THE NINETEENTH CENTURY NOVEL. A critical study of selected novels of the nineteenth century. *Two hours.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate year, 1943-44.) *Professor Tupper*
11. POETRY OF THE ENGLISH RENAISSANCE. Lectures and textual study of selected passages from the more important works of Spenser, Milton, and their contemporaries. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1943-44.)
12. THE RESTORATION AND THE EIGHTEENTH CENTURY. A study of the poetry and prose of the periods indicated, especially the principles of New Classicism, the emergence of early romantic tendencies, eighteenth-century satire, and the rise of the essay. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN. (Offered in alternate years, 1942-43.) *Professor Aiken*
13. FORMS OF PRESENT-DAY LITERATURE. A study of English poetry and novel, with particular reference to contemporary movements and writers. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. *Professors Aiken and Pope*
14. MODERN DRAMA. The origin and development of American drama with a study of leading European dramatists. The course includes readings of representative plays, the new art of drama and the theatre. *Two hours.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1943-44.) *Professor Tupper*
15. PERIODICAL WRITING. News and article writing the first semester, short story and other forms the second semester. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN. *Professor Dean*
19. INTRODUCTION TO POETICS. An elementary study of the general problems of aesthetics as related to poetry, the forms and characteristics of poetry. Special attention is given to the lyric. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1942-43.)

20. WORDSWORTH AND COLERIDGE. A study of the life, character, and work of William Wordsworth and of Samuel Taylor Coleridge. General class discussion of assigned reading and individual study of selected topics, the results of which are presented before the class. This course may be supplemented by English 30. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1943-44.)
Professor Lindsay
21. BIOGRAPHY AS A TYPE OF LITERATURE. See Religion 21.
22. VICTORIAN LITERATURE (1832-1900). A study of the lives and the works (except the novel) of the significant writers of the era by lectures, discussions, and reports. Each semester outstanding poets and prose writers are studied as spokesmen of their own age and harbingers of the present one. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN.
Professor Wainwright
23. BIBLICAL LITERATURE. See Religion 23.
24. SCANDINAVIAN LITERATURE IN TRANSLATION. See Comparative Literature 5.
25. HISTORY AND PRINCIPLES OF CRITICISM. The more important critical writings, past and present, considered as contributions to the theory of literature and as aids to interpretation of literary works. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1942-43.)
Professor Lindsay
28. AMERICAN NOVEL. The American novel from Charles Brockden Brown to Stephen Crane, as it reflects the philosophy and life of the nineteenth century. Included are the chief novelists of the period and those, now forgotten, who were of contemporary importance. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS.
Professor Carleton
30. BYRON, SHELLEY, AND KEATS. The lives, characters, and works of Byron, Shelley, and Keats. Lectures and general class discussion of assigned reading in their poems and letters, collateral reading in the subjects, and individual reports on selected topics. This course is supplementary to English 20. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1943-44.)
Professor Pope
104. ANGLO SAXON. Training in early linguistic forms and in the development of English. The course includes a literary study of Anglo-Saxon prose and poetry. Text, Smith, *Old English Grammar.* *Two hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1942-43.)

105. CHAUCER. A continuation of English 104 with further training in linguistic development. The course includes a study of Chaucer's poetry and collateral readings in the work of his contemporaries. *Two hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1943-44.)
106. TYPES OF MEDIEVAL LITERATURE. An introduction to the study of literary forms, including history, legend, romance, allegory, lyric, and the drama in the Middle English period. *Two hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. (Offered in alternate years, 1942-43.) *Professor Tupper*
116. ADVANCED COMPOSITION. This course is recommended to those who wish to teach English, and for others who wish practice in writing. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN. *Professor Lindsay*

GEOLOGY

Professors Jacobs and Doll

1. PHYSICAL AND HISTORICAL GEOLOGY. The composition, structure, and surface forms of the earth, and the agencies active in their production; the past history of the earth, including the evolutionary development of animals and plants, and ancient geographical and climatic changes, as recorded in rocks, especially of the North American continent. Lectures, laboratory, field trips. Fee \$2.50 per semester. *Four hours.* ELECTIVE. *Professor Doll*
2. PHYSIOGRAPHY. First semester: elementary facts and principles of astronomy, meteorology, and climatology. Second semester: geomorphology, the relief features of the earth, their descriptions, origins, and human significance, with especial attention to North America, including Vermont and the National Parks. Lectures, laboratory, field trips. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN.
3. ENGINEERING GEOLOGY. The phases of geology most useful to engineers: minerals, rocks, rock structures, dynamic geology, stratigraphy, topographic map reading. Lectures, laboratory, field trips. Fee \$2.50. *Three hours, first semester.* REQUIRED (C. E.). ELECTIVE TO OTHERS. PREREQUISITE: CHEMISTRY I AND PHYSICS I.
5. ADVANCED GEOLOGY. Theories of earth origin, mountain building, geophysical methods, seismology, brief survey of Historical Geology.

- Lectures, field trips. *Three hours, second semester.* PREREQUISITE: GEOLOGY 3.
6. OPTICAL CRYSTALLOGRAPHY AND PETROGRAPHY. A study of minerals and then of rocks in thin sections, using the polarizing microscope. Sedimentary, igneous, and metamorphic rocks examined for their component minerals and for the mineral changes they undergo. Lectures and laboratory. Fee \$5.00 per semester. *Three hours.* PREREQUISITE: GEOLOGY 5. *Professor Jacobs*
 7. STRUCTURAL GEOLOGY. The structural features of the earth's crust produced by earth movements; the mechanics of folding, fracturing, and faulting; relations of such structures to mountain building. Lectures, laboratory, field trips. Fee \$2.50. *Three hours, first semester.* PREREQUISITE: GEOLOGY 1.
 8. GEOLOGICAL MAPPING. Field methods in the mapping of an assigned area. A written report and geological map are required. Conference and field work. *Three hours, second semester.* PREREQUISITE: GEOLOGY 7. *Professor Doll*
 9. MINERALOGY. The more common minerals, their chemical, physical, and crystalline properties; their importance as ores, constituents of rocks, and in many commercial fields. Lectures and laboratory work, including blowpiping and study of crystal forms. Fee \$3.00. *Three hours, first semester.* ELECTIVE. PREREQUISITE: CHEMISTRY 1. *Professor Doll*
109. GRADUATE WORK. Credit to be arranged.
Professors Jacobs and Doll

GERMAN

Professors Carpenter and Ladd

1. ELEMENTARY GERMAN. Grammar, pronunciation, easy reading, dictation, and oral practice, for students presenting less than two years of entrance German. *Three hours, if German 2 is also completed.* ELECTIVE. *Professors Carpenter and Ladd*
2. INTERMEDIATE GERMAN. Intensive and extensive reading of short stories, novels, and plays, with emphasis on the attainment of reading ability and particular stress on the acquisition of a basic vocabulary necessary for reading German works in any field. In the second semester pre-medical students read material dealing with the biological sciences. *Three hours.* ELECTIVE. PREREQUISITE: GERMAN 1 OR THE EQUIVALENT. *Professors Carpenter and Ladd*

3. SCIENTIFIC GERMAN. A course in the reading of selected scientific works which aims not only to furnish the student a reading knowledge of that branch of science in which he is specializing, but also to acquaint him with the general development of scientific thought and method in his field and with the outstanding personalities who have influenced this development. In the second semester, individual assignments are made along the line of each student's chief scientific interest. *Three hours.* ELECTIVE TO STUDENTS CONCENTRATING IN SCIENCE. PREREQUISITE: GERMAN 2. *Professor Ladd*
4. GERMAN LITERATURE OF THE CLASSIC PERIOD. The course covers a selection of the works of Goethe, Schiller, and Lessing, and a survey of the development of German literature from the beginnings through the Classic period. *Three hours.* ELECTIVE. PREREQUISITE: GERMAN 2. *Professor Carpenter*
8. COMPOSITION AND CONVERSATION. A course giving practice in German composition and training in speaking the language. Free composition and oral reports on individual assignments are required. *Three hours, first semester.* ELECTIVE BY PERMISSION. THIS COURSE MAY BE TAKEN SIMULTANEOUSLY WITH GERMAN 2.
9. COMPOSITION AND CONVERSATION. A continuation of German 8. By permission it may be taken independently of it for credit. *Three hours, second semester.* ELECTIVE BY PERMISSION. PREREQUISITE: A SATISFACTORY RECORD IN GERMAN 2 OR GERMAN 8. *Professor Ladd*
10. GERMAN LITERATURE IN TRANSLATION. See Comparative Literature 4.
104. GOETHE'S FAUST. A course based on class readings of Part I and portions of Part II. The sources of the poem and its influence are studied, particularly in relation to English literature and drama. There are supplementary readings assigned of various plays which deal with a similar theme. *Three hours, first semester.* ELECTIVE, PREREQUISITE: GERMAN 4. (Offered in alternate years, 1942-43.)
Professor Carpenter
105. GERMAN LITERATURE, 1800-1850. The course includes a study of the selected works of Kleist, Grillparzer, and Heine; recitations, outside reading, and German reports. One hour a week is devoted to lectures and discussions on the Romantic movement and Young Germany. *Three hours, second semester.* PREREQUISITE: GERMAN 4. (Offered in alternate years, 1942-43.)
106. MODERN GERMAN LITERATURE. A course consisting of lectures and class discussions of the history of German literature since 1850.

The first semester and a portion of the second are devoted to a study of German drama from Hebbel to the present-day writers. The remainder of the second semester is given to rapid reading of short stories. Typical novels are assigned for outside reading. *Three hours.* ELECTIVE. PREREQUISITE: GERMAN 4. (Offered in alternate years, 1943-44.)

108. ADVANCED COMPOSITION AND CONVERSATION. This course aims to enable the student to speak and write German with facility. Special attention is paid to phonetics as a basis for the acquisition of a correct pronunciation. The course is recommended to those preparing to teach German. Students should consult the instructor before enrolling. *Three hours.* ELECTIVE. PREREQUISITE: GERMAN 4 OR 8.
Professor Carpenter

HISTORY

*Professor Evans, *Putnam, Pooley, and Dean; Mr. Quimby and Dr. Ellis*

1. ANCIENT HISTORY. A brief survey of the ancient Near East, followed by a more detailed study of the Greek and Roman worlds. *Three hours.* ELECTIVE.
2. MEDIEVAL EUROPE. From the late Roman Empire to the Renaissance, with particular emphasis on political and cultural development. *Three hours.* ELECTIVE.
Professor Pooley
3. SURVEY OF MODERN EUROPE. An introduction to European history commencing with the rise of the national state and the beginnings of modern economic life. *Three hours.* ELECTIVE. NO CREDIT ALLOWED STUDENTS WHO HAVE CREDIT FOR HISTORY 11 OR 12.
Professor Evans; Mr. Quimby
4. HISTORY OF LATIN AMERICA. (Omitted for the duration of the war.)
5. ENGLISH HISTORY. A survey of British affairs from prehistoric times to date. *Three hours.* ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. (Offered in alternate years, 1943-44.)
Professor Evans
7. EARLY AMERICAN HISTORY. A course in American history from the discovery of the new continent to 1865. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN. (Offered 1942-43.)

* Absent on leave: Military Service.

8. RECENT AMERICAN HISTORY. A study of the history of the United States from 1865 to the present. *Three hours*. ELECTIVE EXCEPT TO FRESHMEN. (Offered 1943-44.) *Dr. Ellis*
9. HISTORY OF VERMONT. A course covering the field of state history from the Indian and colonization period to the present, based on textbook, weekly reports, and classroom discussion. *One hour*. ELECTIVE. *Professor Dean*
10. HISTORY OF CANADA. (Omitted for the duration of the war.)
11. EARLY MODERN HISTORY. The Renaissance, the Reformation, and sixteenth century Europe with special attention to economic and social history. *Three hours*. ELECTIVE EXCEPT TO FRESHMEN. (Offered 1942-43.) *Professor Evans*
12. MODERN EUROPE. European history from the seventeenth century to the present. *Three hours*. ELECTIVE EXCEPT TO FRESHMEN.
13. CONTEMPORARY HISTORY. A study of history in the making based upon newspaper and periodical material. The course stresses the historical background of current events and problems. *Three hours*. ELECTIVE BY PERMISSION. ENROLLMENT LIMITED TO FOURTEEN STUDENTS. *Professor Evans*
14. AMERICAN HISTORY. A general survey of American history from the early national period to the present, designed for students who intend to take only one course in the subject. *Three hours*. ELECTIVE. NO CREDIT ALLOWED STUDENTS WHO HAVE CREDIT FOR HISTORY 7 OR 8. *Dr. Ellis*
115. SEMINAR. Advanced study in a selected field. *Two hours*. ELECTIVE TO GRADUATE STUDENTS AND SENIORS BY PERMISSION. *Professor Evans*

HOME ECONOMICS

The following courses are open to Juniors and Seniors in the College of Arts and Sciences. For descriptions see HOME ECONOMICS in the College of Agriculture.

FAMILY RELATIONSHIPS

40. CHILD CARE AND HOME CARE OF THE SICK.
41. CHILD DEVELOPMENT.
42. FAMILY RELATIONSHIPS.

FOOD AND NUTRITION

32. DIET AND NUTRITION.

HOME AND INSTITUTIONAL MANAGEMENT

30. HOME MANAGEMENT.

***MATHEMATICS**

Professors Swift, Fraleigh, †Householder, Nicholson, and Witham

- A. REVIEW OF ALGEBRA AND GEOMETRY. For students whose high school training in Mathematics is deficient. Three hours, second semester. No college credit.
1. FRESHMAN MATHEMATICS. Algebra, Plane Trigonometry, and Analytic Geometry. *Three hours.* REQUIRED (CH., STUDENTS PLANNING TO CONCENTRATE IN SCIENCE OR PREPARING FOR THE STUDY OF MEDICINE) FULL YEAR AND (AG.) FIRST SEMESTER ONLY. FRESHMEN. ELECTIVE TO OTHERS.
2. CALCULUS. Differential and Integral Calculus. *Three hours.* REQUIRED (CH., STUDENTS CONCENTRATING IN MATHEMATICS, CHEMISTRY, OR PHYSICS) SOPHOMORES. ELECTIVE TO OTHERS. PREREQUISITE: MATHEMATICS 1.
4. PROJECTIVE GEOMETRY. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS AND TO SOPHOMORES BY PERMISSION. A knowledge of Calculus is desirable. PREREQUISITE: MATHEMATICS 1.
5. MODERN GEOMETRY. *Three hours.* ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS. PREREQUISITE: MATHEMATICS 1.
6. SOLID GEOMETRY. *Three hours, first semester.* ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS, AND TO FRESHMEN BY PERMISSION. (Not given 1942-43.)
7. ADVANCED ALGEBRA. *Three hours, second semester.* ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS AND TO FRESHMEN BY PERMISSION.
8. ANALYTIC GEOMETRY OF THREE DIMENSIONS. *Three hours, first semester.* ELECTIVE TO SOPHOMORES, JUNIORS, AND SENIORS WHO ARE TAKING OR HAVE TAKEN MATHEMATICS 2.
- ‡11. MATHEMATICS OF FINANCE. *Three hours.* REQUIRED (BUS., SEC., C.T.) FRESHMAN. ELECTIVE TO OTHERS.
14. THE TEACHING OF ALGEBRA AND GEOMETRY. This course may be counted as a half course in Education by those taking two other courses in Education. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: MATHEMATICS 2. A COURSE IN EDUCATION IS DESIRABLE.

* Those who expect to teach Mathematics must take courses 2 and 14 and should take either 4 or 5.

† Resigned October 27, 1942.

‡ May be taken for four hours credit for the year by students having credit in Mathematics 1.

103. ADVANCED CALCULUS. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: MATHEMATICS 2.
105. THEORY OF FUNCTIONS. *Three hours.* ELECTIVE TO SENIORS. PREREQUISITE: MATHEMATICS 103.

Not all these courses will be given in any one year; those planning to take any of courses 4, 5, 105 should consult the instructor before the close of the year preceding that in which they intend to take such courses.

A major in Mathematics must include Mathematics 2. Courses 6, 7, 11, and 14 may not be counted toward a required major in Mathematics.

*MUSIC

HISTORY AND THEORY OF MUSIC

Professor Bennett; Miss Marston, Mrs. Bradish, Messrs. Papoutsakis and Anselmo

1. SURVEY OF MUSICAL LITERATURE. A listener's course in music, aiming to acquaint the student especially with the choral music of the sixteenth century, with the compositions of Bach, Handel, Haydn, Mozart, Beethoven, and the romantic and modern composers. *Three hours.* REQUIRED (MUS. ED.) FRESHMEN. ELECTIVE TO OTHERS. NO PREVIOUS TECHNICAL KNOWLEDGE REQUIRED.
3. ELEMENTARY HARMONY. The study of chords—how to arrange them effectively, how to connect them smoothly, and how to employ them to accompany a melody. *Three hours.* REQUIRED (MUS. ED.) SOPHOMORES. ELECTIVE TO OTHERS.
4. ADVANCED HARMONY AND HARMONIC ANALYSIS. *Three hours.* REQUIRED (MUS. ED.) JUNIORS. ELECTIVE TO OTHERS. PREREQUISITE: MUSIC 3.
5. COUNTERPOINT. *Three hours.* ELECTIVE. PREREQUISITE: MUSIC 3.
Professor Bennett
8. ELEMENTARY SIGHT-SINGING AND THEORY. Recommended to precede or accompany Music 3, Elementary Harmony, but may be taken separately. *Two hours.* REQUIRED (MUS. ED.) FRESHMEN. ELECTIVE TO OTHERS.
9. ADVANCED SIGHT-SINGING AND THEORY. Recommended to precede or accompany Music 4, Advanced Harmony, or Music 5, Counterpoint,

* A major in music must include Music 1, 3 and 4 or 5, the related minor being German, French, or Italian. See Index for Curriculum in Music Education.

but may be taken separately. *Two hours.* REQUIRED (MUS. ED.) SOPHOMORES. ELECTIVE TO OTHERS. PREREQUISITE: MUSIC 8.

Mr. Pappoutsakis

10. SECONDARY SCHOOL MUSIC AND PRACTICE TEACHING. The administration and content of the required and elective music courses in the junior and senior high schools. Observation and practice teaching in the schools of Burlington and vicinity. Students must have credit for or be enrolled in Music 1 and Music 8. *Three hours.* REQUIRED (MUS. ED.) SENIORS. ELECTIVE BY PERMISSION.

Miss Marston

11. ORCHESTRATION AND CONDUCTING. A study of the characteristics of instruments; arranging; technique of the baton; elementary instrumental technique. *Three hours.* REQUIRED (MUS. ED.) SENIORS. ELECTIVE BY PERMISSION. PREREQUISITE MUSIC 3; PREFERABLY ALSO MUSIC 4.

Mr. Pappoutsakis

12. APPLIED MUSIC METHODS. Methods of teaching piano, organ, singing, or violin. *One hour.* REQUIRED (MUS. ED.) SENIORS. PREREQUISITE: THREE YEARS' INSTRUCTION IN CHOSEN INSTRUMENT AT THE UNIVERSITY, OR EQUIVALENT.

Miss Marston, Mrs. Bradish, and Mr. Anselmo

106. CANON AND FUGUE. *Three hours.* ELECTIVE BY PERMISSION. PREREQUISITES: MUSIC 4 AND 5.
107. COMPOSITION. *Two hours.* ELECTIVE BY PERMISSION. PREREQUISITES: MUSIC 4 AND 5.

Professor Bennett

335. SCHOOL MUSIC 1. See Elementary Education 335.
336. SCHOOL MUSIC 2. See Elementary Education 336.
345. ELEMENTARY SCHOOL MUSIC METHODS AND PRACTICE TEACHING. The teaching of music in the primary and grammar grades. Observation and practice teaching in the schools of Burlington and vicinity. Students must have credit for or be enrolled in Music 1 and Music 8. *Three hours.* REQUIRED (MUS. ED.) JUNIORS. ELECTIVE (EL. ED.) JUNIORS AND SENIORS.

Miss Marston

APPLIED MUSIC

PIANO AND ORGAN, *Miss Marston*; SINGING, *Mrs. Bradish*; VIOLIN, *Mr. Anselmo*

The purpose of instruction in piano, organ, violin and singing in the University is to give the student, through actual performance, a more intimate appreciation of music than can be acquired through listening alone. To perform the best musical literature demands both technical

and interpretative ability. The aim of the technical instruction is not only to give the student necessary dexterity, but also to achieve a critical understanding of the principles of instrumental and vocal technique.

Students may take either one or two half-hour lessons per week. The fees for instruction and use of organ and practice piano are given elsewhere in this Catalogue.

One semester hour of credit will be given for one private lesson in piano, organ, voice or violin, under a member of the department, and five hours practice per week; and two semester hours of credit for two private lessons and ten hours practice per week, upon the recommendation of the instructor concerned and of the head of the department, and on condition that the instruction be accompanied or preceded by any of the following courses: Music 1, Survey of Musical Literature; Music 3, Elementary Harmony; Music 4, Advanced Harmony and Harmonic Analysis; Music 5, Counterpoint.

PHILOSOPHY

Professors Gifford and Dykhuizen

1. LOGIC. The principles and conditions of correct thinking, with emphasis on the detection of the characteristic fallacies of thought. *Three hours, first semester.* ELECTIVE EXCEPT TO FRESHMEN.
2. ETHICS. An examination of the ideas underlying man's moral behavior. The aim is to develop an acceptable and coherent theory of personal conduct. *Three hours, second semester.* ELECTIVE EXCEPT TO FRESHMEN. *Professor Dykhuizen*
3. SOCIAL ETHICS. The application of psychological and ethical principles, and the techniques of adjustment, in social problem situations. *Three hours, second semester.* ELECTIVE. PREREQUISITE: JUNIOR STANDING, AND PSYCHOLOGY 3 OR PHILOSOPHY 2. *Professor Gifford*
4. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. Philosophical thought as found among the ancient Greek, Roman, and medieval thinkers. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS.
5. HISTORY OF MODERN PHILOSOPHY. The more important philosophers from the time of the Renaissance to the end of the nineteenth century. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS. *Professor Dykhuizen*
107. PHILOSOPHICAL CRITICISM. An advanced and detailed study of some important metaphysical problem or historical system. *Three hours.* ELECTIVE TO SENIORS BY PERMISSION.

108. HISTORY AND INTERPRETATION OF RELIGION. A genetic survey of early religious cults with comparative and critical study of the higher religions. *Three hours, first semester.* ELECTIVE TO SENIORS.
109. METAPHYSICS. Theories of truth and of the nature of reality. Viewpoints of the philosophy of science and the philosophy of values. *Three hours, second semester.* ELECTIVE TO SENIORS.
Professor Gifford
110. INTELLECTUAL BACKGROUND OF MODERN LIFE. The various thought movements which have been influential in determining the thought of today. *Three hours, first semester.* ELECTIVE TO SENIORS. REQUIRED OF CANDIDATES FOR THE DEGREE MASTER OF EDUCATION.
Professor Dykhuizen

PHYSICAL EDUCATION

For courses, see Index.

PHYSICS

*Professor *Holmes, Walbridge, Woodward, and Rooney; Mr. Burgess*

1. GENERAL PHYSICS. Some of the experimental facts and theoretical principles of mechanics, properties of matter, heat, sound, magnetism, electricity, and light. The purposes are to train the students in the scientific method of reasoning and to enable them to acquire a knowledge of their physical environment. The course includes a demonstration lecture each week and the performance of about sixty experiments by each student. Laboratory Fee \$5.00 per semester. *Five hours.* REQUIRED (STUDENTS CONCENTRATING IN THE DIVISION OF SCIENCE, CH., ENG.). ELECTIVE TO OTHERS.
Professors Walbridge, Woodward, Rooney; Mr. Burgess
2. HOUSEHOLD PHYSICS. Some physical phenomena frequently encountered in nature. Lecture demonstrations. *Three hours, second semester.* REQUIRED (H. E.) FRESHMEN. (Open 1942-43 to Arts College students, with additional requirement of one laboratory period.)
Professor Rooney
101. MECHANICS. The emphasis is on the integration of fundamental physical principles with mathematics. *Three hours.* PREREQUISITES: PHYSICS I AND CALCULUS. (Offered 1944-45.) *Professor Walbridge*

* Absent on leave: Military Service.

102. HEAT. Two lectures and one two-hour laboratory period per week. Laboratory Fee \$5.00 per semester. *Three hours.* PREREQUISITES: PHYSICS 1 AND CALCULUS. (Offered 1944-45.)

Professor Woodward

104. ELECTRICITY AND MAGNETISM. Fundamental principles and their applications to electric and magnetic equipment. In the laboratory the class applies the general principles to magnetic and to electrical measurements. Laboratory Fee \$5.00 per semester. *Three hours.* PREREQUISITES: PHYSICS 1 AND CALCULUS. (Offered 1943-44.)

Professor Rooney

105. X-RAYS. In the laboratory the student performs some of the important experiments which have resulted in the modern conception of radiation. Laboratory Fee \$5.00 per semester. *Three hours.* PREREQUISITES: PHYSICS 1 AND CALCULUS. (Offered 1943-44.)

Professor Walbridge

106. LIGHT. Including geometrical optics, physical optics and spectroscopy. Laboratory Fee \$5.00 per semester. *Three hours.* PREREQUISITES: PHYSICS 1 AND CALCULUS. (Offered 1943-44.)

Professor Woodward

107. MODERN PHYSICS. A study of certain parts of physics which have recently been developed. Approximately one-half of the year is devoted to electronics. Each student performs about thirty experiments. Laboratory Fee \$5.00 per semester. *Three hours.* PREREQUISITES: PHYSICS 1 AND CALCULUS. (Offered 1944-45.)

Professor Rooney

108. UNDERGRADUATE LABORATORY. The student will do independent experimental work and write a thesis on some subject selected in consultation with the instructor. Laboratory Fee \$5.00 per semester. *Three hours.* PREREQUISITE: ANY OTHER PHYSICS COURSE NUMBERED ABOVE 100, AND CONSENT OF THE INSTRUCTOR.

Professors Walbridge, Woodward, and Rooney

204. SEMINAR. Contemporary advances in physics and special problems. Reports on research problems currently carried on in the department. *One hour.* REQUIRED OF ALL GRADUATE STUDENTS.

The Staff

210. RESEARCH. For students seeking a Master of Science degree in Physics. *Nine to twelve hours.* PREREQUISITE: THREE PHYSICS COURSES NUMBERED ABOVE 100 AND MATH. 103 OR 104.

Professors Walbridge, Woodward, and Rooney

POLITICAL SCIENCE

Professors Carroll and Nuquist; Dr. Long

1. AMERICAN GOVERNMENT. The organization and function of national, state, and local governments in the United States. *Three hours. ELECTIVE. Professors Carroll and Nuquist and Dr. Long*
3. INTERNATIONAL RELATIONS. The fundamentals of international politics and the problem of force in international relations. An effort is made to develop a constructively critical attitude toward these problems. *Three hours. ELECTIVE EXCEPT TO FRESHMEN.*
Dr. Long
5. COMPARATIVE GOVERNMENT: THE BRITISH COMMONWEALTH OF NATIONS. The development, organization, and function of the political institutions of Great Britain, the self-governing dominions, and the colonies. *Three hours, first semester. PREREQUISITE: POLITICAL SCIENCE 1.*
6. COMPARATIVE GOVERNMENT: CONTINENTAL EUROPE. The organization and function of the governmental institutions of the leading states of Continental Europe, with emphasis on types of government. *Three hours, second semester. PREREQUISITE: POLITICAL SCIENCE 1.*
Professor Carroll
7. RURAL GOVERNMENT. The organization, function, and procedure of rural government in the United States. Town government in Vermont is stressed with particular attention to such factors as state control, town reporting, land use, and local revenues. The significance of rural government in the preservation of American democracy is emphasized. *Three hours, first semester. ELECTIVE EXCEPT TO FRESHMEN.*
8. MUNICIPAL GOVERNMENT. The basic problems and significant developments in the field of municipal government. Theories of government are analyzed in the light of actual practice. *Three hours, second semester. ELECTIVE EXCEPT TO FRESHMEN.*
Professor Nuquist
104. CONSTITUTIONAL LAW. The interpretation and development of the Constitution of the United States, with emphasis on the judicial process as evidenced in leading decisions of federal and state courts. *Three hours. ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: POLITICAL SCIENCE 1.*
Professor Carroll
106. FOREIGN POLICY OF THE UNITED STATES. An analysis of the foreign policy of the United States with particular attention to underlying

fundamentals. A detailed study is made of the foreign relations of the United States in each of the great regions of the world. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. *Dr. Long*

107. FAR EASTERN POLITICS. The races, civilization, and political, economic, and social development of the Far East, with attention to the activity and interests of European nations and the United States in this region and to the external growth of states located in this area. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS. *Professor Nuquist*
111. POPULAR GOVERNMENT. This course is intended to familiarize the student with the basic governmental theories and problems of the present day. The subjects covered include the theory and practice of popular government in relation to other types, current trends in the organization and function of government, and the mechanics of popular control of government. Emphasis is placed upon fundamental principles in the solution of public problems. *Three hours, second semester.* ELECTIVE TO JUNIORS AND SENIORS.
112. HISTORY OF POLITICAL THEORY. The development of political theories from Socrates to the theorists of the present day. An effort is made to follow particularly the origin and growth of ideas of government which are now recognized as important. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. *Professor Carroll*
114. INTERNATIONAL LAW. A brief survey of the legal basis of international relations with major emphasis on the rules governing international intercourse in time of peace. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS.
115. PUBLIC ADMINISTRATION. A study of the nature and development of administrative agencies and services in national, state, and local governments. *Three hours.* PREREQUISITE: POLITICAL SCIENCE 1. ELECTIVE TO JUNIORS AND SENIORS. *Professor Nuquist*

PSYCHOLOGY

*Professors Metcalf, Gifford, and *Collier; Drs. *L. A. Riggs and Smith*

1. GENERAL PSYCHOLOGY. An introduction to the entire field with emphasis upon the normal, adult human being. *Three hours.* REQUIRED (EC., H.E., AND ED.).

Professors Metcalf and Collier; Dr. Smith

* Absent on leave, 1942-43.

2. APPLIED PSYCHOLOGY. The applications of psychological method and technology to present day problems of individual and group adjustment. *Three hours.* PREREQUISITE: PSYCHOLOGY 1.
Professor Collier
3. SOCIAL PSYCHOLOGY. The social factors in personality and the psychological aspects of social relations, groups, institutions, and culture. Followed by Philosophy 3. *Three hours, first semester.* PREREQUISITE: PSYCHOLOGY 1.
Professor Gifford
4. GENETIC PSYCHOLOGY. The evolution from simpler to more complex forms of behavior in animal life, in connection with the mental development of the human individual from birth to maturity. *Three hours, first semester.* PREREQUISITE: PSYCHOLOGY 1.
5. ABNORMAL PSYCHOLOGY. The more unusual mental processes, the methods of observing and interpreting them, and their bearing upon our understanding of the normal mind. *Three hours, second semester.* PREREQUISITE: PSYCHOLOGY 1.
7. AESTHETICS. The mental processes involved in the response to the beautiful in art and nature. *Three hours.* PREREQUISITE: PSYCHOLOGY 1.
Professor Metcalf
8. PSYCHOLOGICAL TESTS AND MEASUREMENTS. Individual training in the fundamental concepts of psychological measurement, the administration of tests and the interpretation of results. *Three hours.* PREREQUISITE: PSYCHOLOGY 1.
Professor Collier
106. EXPERIMENTAL PSYCHOLOGY. The student performs experiments designed to develop skill in psychological methods of procedure and thought. *Three hours.* (Two two-hour laboratory periods and a one-hour lecture period.) PREREQUISITE: PSYCHOLOGY 1.
Dr. Smith

RELIGION

21. TYPICAL RELIGIOUS LEADERS AND THINKERS. The religious leader as a personality as well as a thinker; the history of the early Christian church studied through the lives of these leaders; some foundation study of biography as a type of literature. *Three hours, first semester.* ELECTIVE EXCEPT TO FRESHMEN.
23. BIBLICAL LITERATURE. An introduction to the literature of the Old and New Testaments with a consideration of the value of the Book as an English classic as well as a record of religious experience and of the development of religious institutions. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN.
Professor Hall

ROMANCE LANGUAGES

*Professors Myrick, DeForest, Doane, and Towne; *Dr. Johnston,
and Dr. Cedrone*

FRENCH

1. ELEMENTARY COURSE. A course in grammar, pronunciation, composition and translation, dictations, and use of the spoken language for beginners and students who present less than two years of preparatory French. *Three hours, if French 3 is also completed.* ELECTIVE. *Dr. Cedrone*
3. INTERMEDIATE COURSE. A course in French Prose and Poetry, grammar, composition and translation, collateral reading, dictations, and conversational exercises. The class work is conducted in French. Reserved sections are offered to students who expect to concentrate in French. *Three hours.* ELECTIVE. PREREQUISITE: FRENCH 1 OR TWO YEARS OF PREPARATORY FRENCH.

Professors Doane and Towne; Dr. Cedrone

All of the courses following are conducted in French:

4. FRENCH LITERATURE OF THE NINETEENTH CENTURY. An advanced course including lectures, recitations, collateral reading, reports, and assignments in advanced composition. The lectures deal with the growth of Romanticism and the reactions to Realism, Naturalism, and present-day tendencies. Reserved section for students expecting to concentrate in French. *Three hours.* ELECTIVE. PREREQUISITE: FRENCH 3. *Professors Myrick and Doane*
105. FRENCH LITERATURE IN THE NINETEENTH CENTURY FROM THE ROMANTIC SCHOOL TO 1900. Recitations, lectures, outside reading, and reports. A ready reading knowledge of French is presumed. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: FRENCH 4. (Offered 1942-43.)
106. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. The course includes readings and recitations, and a series of lectures on the development of classic literature. The influence of Society, the Academy, and the Church on the French literature of this period is emphasized. The romance, poetry, and drama are read and studied. Collateral reading and reports are assigned. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: FRENCH 4. (Offered 1943-44.)
107. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. A course consisting of selected readings, lectures on the growth of liberalism,

* Resigned October 26, 1942.

the "return to nature," the drama, and the novel. Voltaire, Rousseau, and their influence on modern thought. Collateral readings and reports. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. PREREQUISITE: FRENCH 4. (Offered 1944-45.) *Professor Myrick*

108. FRENCH CONVERSATION AND COMPOSITION. An advanced course in composition including lessons in phonetics. Exercises in advanced conversation continue throughout the year. This course is required of those who expect to be recommended as teachers of French. *Three hours.* ELECTIVE BY PERMISSION. PREREQUISITE: GOOD STANDING IN FRENCH 4.

Professors Myrick and DeForest

109. FRENCH READINGS IN THE FOURTEENTH AND FIFTEENTH CENTURIES. A course based on readings from Joinville, Commines, Froissart, Villon, and other contemporary writers. Outside reading and reports are required. *Two hours, first semester.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS.

110. FRENCH LITERATURE OF THE SIXTEENTH CENTURY. Readings from Montaigne, Rabelais, the Pléiade Poets. Outside reading and reports. *Two hours, second semester.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS.

111. OLD FRENCH. A series of lectures on Old French phonology and morphology and selected readings from the oldest texts. *Three hours.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS BY PERMISSION. PREREQUISITE: COURSES IN ADVANCED FRENCH AND LATIN 1. (Given 1942-1943.) *Professor Myrick*

112. ADVANCED COMPOSITION AND CONVERSATION. Translation into French of difficult modern English prose, free composition and discussion of questions of rhetoric and style, exercises in intonation. Practice in advanced conversation throughout the year. *Three hours.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS.

Professors Myrick and DeForest

113. MODERN FRENCH DRAMA. Plays by Scribe, Dumas fils, Augier, Becque, Brioux, Hervieu, Lavedan, and Maeterlinck. Brief history of modern French drama; outside reading. Written summaries of portions of the plays read, discussion of the text assigned, and lectures on dramatic technique and literary history. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS. *Professor DeForest*

200. ADVANCED COURSES may be taken by graduate students, and resident candidates for the degree of Master of Arts, for whom further opportunities for independent work will be provided. Qualified graduate students majoring in French may be permitted to take advanced courses in Italian or Spanish. *Professor Myrick*

ITALIAN

1. ELEMENTARY ITALIAN. A beginner's course, grammar and composition, translation and practice in the spoken language. Enrollment restricted to students having good standing in other language courses. *Three hours.* ELECTIVE BY PERMISSION.
2. ADVANCED ITALIAN. *Three hours.* ELECTIVE. PREREQUISITE: ITALIAN 1. *Professor Myrick*

SPANISH

1. ELEMENTARY SPANISH. A beginner's course including grammar, composition and translation with frequent practice in pronunciation, and use of the spoken language. *Three hours, if Spanish 2 is also completed.* ELECTIVE. *Professors Doane and Towne; Dr. Cedrone*
2. INTERMEDIATE SPANISH. A course consisting of readings from authors such as Becquer, Pardo Bazán, Taboada, Galdós, Pereda, Blasco-Ibáñez. Advanced composition, dictation, and conversational practice. *Three hours.* ELECTIVE. PREREQUISITE: SPANISH 1 OR THE EQUIVALENT. *Professors DeForest and Towne*
103. NINETEENTH CENTURY SPANISH LITERATURE. Reading of selected texts illustrative of the Romantic, Realist, and Naturalist schools; recitations, collateral reading, reports; advanced composition. Conducted in Spanish. *Three hours.* ELECTIVE. PREREQUISITE: A GRADE OF NOT LESS THAN C IN SPANISH 2. *Professor DeForest*
104. SPANISH CONVERSATION AND COMPOSITION. Conversation, lessons in phonetics, intonation, supplemented by training in advanced composition. Conducted in Spanish. Required of those who expect to be recommended to teach Spanish. *Three hours.* ELECTIVE TO JUNIORS, SENIORS, AND GRADUATE STUDENTS WHO HAVE HIGH STANDING IN SPANISH 103. *Professor DeForest*
105. OLD SPANISH. An introduction to Spanish literature from the beginnings to the end of the mediaeval period with readings from early texts. Study of the development of sounds, forms, and syntax from vulgar Latin into Spanish. *Two hours.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS. PREREQUISITES: HIGH STANDING IN ADVANCED COURSES IN SPANISH AND LATIN 1. *Professor Myrick*
200. The department offers advanced courses in Old Spanish and Spanish Literature for graduate credit to resident candidates for the Master's degree. Qualified graduate students majoring in Spanish may be permitted to take advanced courses in French or Italian. *Professor Myrick*

SOCIOLOGY

Professor Gifford

1. DEVELOPMENT OF SOCIETY. Social and cultural origins and evolution. Contemporary social relations, institutions, and trends. *Three hours.* ELECTIVE EXCEPT TO FRESHMEN. *Professor Gifford*
2. SOCIAL PSYCHOLOGY. (See Psychology 3.)
3. SOCIAL ETHICS. (See Philosophy 3.)

SPANISH

For courses in Spanish see Romance Languages.

*ZOOLOGY

Professors Perkins, Moody, Rowell; Dr. Webber, Miss Christiansen, Dr. Lockhead

1. GENERAL ZOOLOGY. The fundamental principles of biology illustrated by invertebrate and vertebrate forms. Laboratory Fee \$4.00. *Four hours, one semester, alternating with Botany 1.* ELECTIVE. *Professor Rowell; Miss Christiansen*
2. GENERAL ZOOLOGY. The course presents a broad survey of the principles of animal biology, including structure, physiology, heredity, evolution, and acquaintance with the main types of invertebrate and vertebrate animals. Laboratory Fee \$4.00 per semester. *Four hours.* ELECTIVE. *Professor Moody; Drs. Webber and Lockhead*
3. GENERAL ZOOLOGY. Typical invertebrate and vertebrate animals; their structure, physiology, behavior, and life histories. Laboratory Fee \$4.00. *Three hours, first semester.* ELECTIVE (H. E.) FRESHMEN ONLY. *Miss Christiansen*
4. GENERAL ZOOLOGY. For description see Zoology 3. Laboratory Fee \$4.00. *Four hours, second semester.* REQUIRED (AG.) FRESHMEN. *Dr. Webber*
5. ANIMAL ECOLOGY. A course treating of the distribution of animals and their relations to one another and to their environment, including association, seasonal changes, and behavior. The field study is supplemented by experiments, lectures, and laboratory work.

* Students who major in Zoology are required to enroll in Zoology 111 during the Senior year. For other courses in Zoology, see Index.

Laboratory Fee \$2.50 per semester. *Three hours.* ELECTIVE. PREREQUISITE: ZOOLOGY 2 OR THE EQUIVALENT. (Not offered 1942-43.)

6. COMPARATIVE ANATOMY. Study of the structure of vertebrate animals to gain understanding of the evolutionary background of mammalian anatomy. Laboratory Fee \$5.00 per semester. *Four hours.* ELECTIVE. Professor Moody
7. VERTEBRATE EMBRYOLOGY. A detailed study of the development of the frog and the chick. These forms are used as a point of departure for a discussion of the fundamental problems of development in the vertebrates. Laboratory Fee \$4.00. *Four hours, second semester.* PREREQUISITE: GENERAL ZOOLOGY. Professor Rowell
8. ENTOMOLOGY. An elementary study of insects with special emphasis on forms of economic importance in Vermont. Recitation, laboratory and field trips. Laboratory Fee \$2.50. *Two hours, second semester.* ELECTIVE. PREREQUISITE: ZOOLOGY 2 OR 4 OR THE EQUIVALENT. (Offered 1943-44.)
9. EVOLUTION. A lecture course with assigned readings on backgrounds of evolution, evidence of its occurrence, and theories of the methods of evolution, in light of modern research. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS. Professor Moody
10. HEREDITY. A study of the mechanism of heredity, heritable and non-heritable characteristics, the laws of human inheritance, eugenics, using material gathered by the Eugenics Survey of Vermont. *Three hours.* ELECTIVE TO JUNIORS AND SENIORS.
12. EUGENICS. A seminar course on practical applications of the principles of race betterment, including conservation of the family, and population problems such as migration, birth rates, and racial mixtures. Recommended for general cultural education and especially to those interested in any phase of social work, including teaching. *Three hours, second semester.* PREREQUISITE: ZOOLOGY 10. Professor Perkins
13. PHYSIOLOGY. The fundamentals of physiological phenomena in man and other vertebrates. *Three hours, first semester.* REQUIRED (H. E.) JUNIORS. PREREQUISITE: ZOOLOGY 3 OR EQUIVALENT. Dr. Webber
14. EDUCATIONAL BIOLOGY. See Education 346.
15. PHYSIOLOGY. A study of biochemical and biophysical phenomena as related to stimulus and response, enzyme action, oxidation and reduction, and

renal function. Laboratory Fee \$2.50. *Three hours, second semester.* ELECTIVE. PREREQUISITE: ZOOLOGY 2 OR THE EQUIVALENT.

Dr. Webber

106. PRIMATE ANATOMY. A detailed dissection of the Rhesus monkey. Recommended to candidates for Senior Honors in Zoology. Laboratory Fee announced each year. *Two hours.* ELECTIVE BY PERMISSION. PREREQUISITE: ZOOLOGY 6 OR ITS EQUIVALENT.

Professor Moody

111. SEMINAR. Papers and discussion on the more important topics in zoological research. *One hour.* REQUIRED OF ALL GRADUATE AND SENIOR STUDENTS MAJORING IN ZOOLOGY.

Professor Perkins

*The College of Engineering

The College of Engineering offers instruction in the three curricula, Civil, Electrical, and Mechanical Engineering, each leading to the degree of Bachelor of Science in the field of specialization. Each curriculum includes the general subjects: Mathematics, Chemistry, Physics, Mechanical Drawing, Elements of Electrical Engineering, Mechanics, Engineering Materials, Hydraulics, Economics, English, and Contracts.

All freshman and sophomore men are required to complete the two basic courses in Military Science for a total credit of eight semester hours. These credits become an integral part of the record and are counted toward graduation. Two years of Physical Education are required of all students.

Students enrolled in the College of Engineering may become affiliated with their respective national professional engineering societies, the American Society of Civil Engineers, the American Institute of Electrical Engineers and the American Society of Mechanical Engineers, as each of these organizations has authorized a student chapter at the University of Vermont. These student organizations sponsor frequent meetings, the purpose of which is to present an opportunity for students to conduct activities similar to those conducted by members of the national societies. These activities include meetings at which technical papers are presented by students and by engineers who are actively engaged in the profession; attendance at conventions and inspection trips, all of which provide

* Due to the war emergency the College of Engineering is now operating on an accelerated program which makes possible the completion of the four-year curricula in three academic years plus two summer sessions of twelve weeks each. Freshmen are admitted in September only.

helpful contact with engineering practice and also assist in the development of the qualities of leadership which are so essential for success in the engineering profession.

THE ENGINEERING CURRICULA

THE FRESHMAN YEAR (for all curricula)	1ST SEMESTER	2ND SEMESTER	THE SOPHOMORE YEAR (for all curricula)	1ST SEMESTER	2ND SEMESTER
Freshman Math. (M.M. 11, 12, 13)	5	4	Calculus (M.M. 21, 22)	4	4
Mech. Drawing (M.E. 11, 12)	3	3	Statics (M.M. 23) .....	...	3
Inorganic Chem. (Chem. 1)	4	5	Gen. Physics (Phys. 1)	5	5
English Comp. (Eng. 1)	3	3	Adv. Eng. Comp. (Eng. 2)	2	2
Engrg. Materials (C.E. 10) .....	...	2	Physical Education 2	1	1
Physical Education 1	1	1	Military Science 2	2	2
Military Science 1 (Men)	2	2	Additional courses as indicated below.	...	...
	18	20		19	19-22

In the Sophomore year, the following are also required:

Civil Engineering: Surveying (C.E.20,21) 5 hours first semester and 3 hours second semester, and Engineering Camp (C.E.22) 2 hours credit second semester;

Electrical Engineering: Elements of Electrical Engineering (E.E.20) 5 hours first semester and D. C. Machines (E.E.21) 2 hours second semester;

Mechanical Engineering: Manufacturing Processes (M.E.23,24) 2 hours each semester, and Fuels and Combustion (M.E.25) 3 hours first semester.

CIVIL ENGINEERING

THE JUNIOR YEAR	1ST SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Kinetics (M.M. 31)	3	...	Hydraulics (C.E. 47, 48)	4	...
Mech. of Matls. (M.M. 32) .....	...	3	Bridge Design (C.E. 40)	3	3
Graphic Statics (C.E. 30)	3	...	Masonry Constr. (C.E. 41) .....	...	3
Bridge Stresses (C.E. 31) .....	...	3	Sanitary Engrg. (C.E. 45, 46)	3	3
Direct Currents (E.E. 36)	4	...	Contracts (C.E. 43)	2	...
Alternat. Currents (E.E. 37) .....	...	4	Highway Engrg. (C.E. 44) .....	...	3
Mapping (C.E. 33)	2	...	Materials Lab. (C.E. 49) .....	...	2
Reinforced Concrete (C.E. 32) .....	...	2	Engrg. Constr. (C.E. 42) .....	...	2
Elem. Economics (Ec. 1)	3	3	Engrg. Geology (Geol. 3)	3	...
Elective	3	3	Elective	2	2
Engineering Camp (C.E. 34) .....	...	(2)		17	18
	18	20			

ELECTRICAL ENGINEERING

THE JUNIOR YEAR	1ST SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Kinetics (M.M. 31)	3	...	Contracts (C.E. 43)	2	...
Mech. of Matls. (M.M. 32) .....	...	3	Hydraulics (C.E. 47, 48)	4	...
D.C. Machines (E.E. 31)	4	...	Electronics Lab. (E.E. 40)	1	...
A.C. Theory (E.E. 34, 35)	3	3	Wire Commun. (E.E. 46)	3	...
D.C. Lab. (E.E. 32, 33)	2	2	Wire Commun. (E.E. 47) or		
Electronics (E.E. 30) .....	...	3	Radio Commun. (E.E. 48) .....	...	5
Elem. Economics (Ec. 1)	3	3	A.C. Machines (E.E. 44, 45)	3	5
Thermodynamics (M.E. 35)	3	...	Power Transmission (E.E. 41) .....	...	3
Power Engineering (M.E. 38) .....	...	4	A.C. Lab. (E.E. 42, 43)	2	2
	—	—	Elective	3	3
	18	18		—	—
				18	18

MECHANICAL ENGINEERING

THE JUNIOR YEAR	1ST SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Kinetics (M.M. 31)	3	...	Mach. Stress Anal. (M.E. 41)	4	...
Mech. of Matls. (M.M. 32) .....	...	3	Machine Design (M.E. 42) .....	...	4
Kinematics (M.E. 32) .....	...	3	Indus. Engrg. (M.E. 43)	3	...
Thermodynamics (M.E. 35)	3	...	Factory Planning (M.E. 44) .....	...	3
Int. Comb. Eng. (M.E. 36) .....	...	3	Air Conditioning (M.E. 45)	3	...
Indus. Metallurgy (M.E. 39)	3	...	Steam Power Plants (M.E. 47) .....	...	4
D.C. Circ. & Mach. (E.E. 36)	4	...	Aerodynamics (M.E. 48) .....	...	3
A.C. Circ. & Mach. (E.E. 37) .....	...	4	Seminar (M.E. 50) .....	...	2
Elem. Economics (Ec. 1)	3	3	Hydraulics (C.E. 47, 48)	4	...
Elective	2	2	Contracts (C.E. 43)	2	...
	—	—	Elective	2	2
	18	18		—	—
				18	18

COURSES OF INSTRUCTION

CIVIL ENGINEERING

Dean Eckhard, Professors Puffer, Butterfield, and Aldrich

10. ENGINEERING MATERIALS. A descriptive course, covering the making, shaping, treating and properties of iron and steels; non-ferrous metals and alloys; Portland and other cements, concrete, clay products, wood and other materials used by engineers. Lectures and demonstrations. *Two hours, second semester* (ENG.) FRESHMEN.

Professor Puffer

20. SURVEYING. The theory of land, city, topographic and hydrographic surveying; methods of computing and plotting traverses, computing areas and earthwork; field practice in the use and adjustments of surveying instruments. Recitations, computation periods and field work. *Five hours, first semester (C. E.) SOPHOMORES.*

Professor Aldrich

21. ROUTE SURVEYING. A course dealing with reconnaissance, preliminary, location, construction and maintenance surveys for railroads, highways, pipe lines, transmission lines, canals; the theory of simple, compound, reverse and vertical curves and the spiral easement; string-lining of curves; theory and methods of computing earthwork. The instruction includes lectures, recitations and problem work. *Three hours, second semester (C. E.) SOPHOMORES.*

Professor Aldrich

22. ENGINEERING CAMP. Field practice in land and topographic surveying, leveling, triangulation and base-line measurement. Camp Fee \$15.00. *Four weeks at close of second college year; two semester hours credit (C. E.).*

Professors Puffer and Aldrich

30. GRAPHIC STATICS. The determination of the dead and live load stresses in roof and bridge trusses by means of the application of the equilibrium polygon. *Three hours, first semester (C. E.) JUNIORS.*

Dean Eckhard

31. BRIDGE STRESSES. The analytical determination of stresses in simple framed structures under dead and live loads; the theories of deflection and least work; the history of truss development; numerous problems exemplifying the theory. *Three hours, second semester (C. E.) JUNIORS.*

Dean Eckhard

32. REINFORCED CONCRETE. The theory and design of reinforced concrete structures, the theories of beam flexure, the derivation of formulas and the design of slabs, girders, columns and special structures of reinforced concrete. *Two hours, second semester (C. E.) JUNIORS.*

Professor Aldrich

33. MAPPING. Computation and plotting of the work done at Engineering Camp. *Two hours, first semester (C. E.) JUNIORS.*

Professor Aldrich

34. ENGINEERING CAMP. Field practice in route surveying. Camp Fee \$15.00. *Four weeks at close of third college year (C. E.). Two semester hours credit.*

Professors Puffer and Aldrich

35. GEODESY. A course in practical astronomy, including the derivation of the fundamental formulas of spherical trigonometry and

their applications to the celestial sphere. Emphasis is placed on the determination of latitude, time and azimuth as computed from field observations made with the sextant and alt-azimuth. *Three hours, first semester.* ELECTIVE TO STUDENTS HAVING CREDIT IN PLANE TRIGONOMETRY. *Professor Butterfield*

36. GEODESY. A course in the theory and field work of triangulation, trigonometric and precise leveling, base line measurements and computations. *Three hours, second semester.* ELECTIVE (C. E.) JUNIORS AND SENIORS. PREREQUISITE: PLANE TRIGONOMETRY. *Professor Butterfield*
37. SURVEYING. A practical course in the care, use, and adjustments of surveying instruments with field work, computations, and recitations. *Two hours, first semester.* ELECTIVE (M. E. AND E. E.) JUNIORS AND SENIORS. (Not given for less than five students.) *Professor Aldrich*
38. RAILROAD ENGINEERING. A study of track and other railroad structures, signaling, yards and terminals, the locomotive, train resistance and operation, including the economic theory of railroad location, construction and operation. *Two hours, second semester.* ELECTIVE, JUNIORS AND SENIORS. *Professor Aldrich*
40. BRIDGE DESIGN. The design of a roof truss, plate girder and railroad truss bridge; the making of stress sheets, order and shipping bills, estimates of weight and shop drawings of the structures designed. The methods used conform to the best modern practice.* A careful study is made of standard specifications. *Three hours, first and second semester (C. E.) SENIORS.* *Dean Eckbard*
41. MASONRY CONSTRUCTION. The design of dams, retaining walls, concrete bridges and other masonry structures by graphical and analytical methods. The instruction is given by lectures and drafting room work. *Three hours, second semester (C. E.) SENIORS.* PREREQUISITE: C. E. 32. *Professor Puffer*
42. ENGINEERING CONSTRUCTION. A course dealing with the foundations of structures; timber, concrete and steel piles; cofferdams, caissons and piers; footings, grillages and underpinning; bearing power of soils. *Two hours, second semester (C. E.) SENIORS.* *Professor Puffer*
43. CONTRACTS AND ENGINEERING RELATIONS. The business and professional relations of the engineer, together with the study of engineering contracts and specifications, and the laws relating to their writing, interpretation and enforcement. *Two hours, first semester (ENG.) SENIORS.* *Professor Puffer*

44. HIGHWAY ENGINEERING. A study of the general principles of design, construction and maintenance of modern types of highways and street pavements, including methods of highway administration and finance. *Three hours, second semester* (C. E.) SENIORS.
Professor Aldrich
45. SANITARY ENGINEERING. A study of water supplies; methods of collection, storage, purification and distribution of water; relation of disease to water supply; examination of water; construction, operation, and maintenance of water works. *Three hours, first semester* (C. E.) SENIORS.
Professor Puffer
46. SANITARY ENGINEERING. A study of the methods of design, construction and operation of sewer systems and sewage treatment plants; their relation to sanitation and public health; the final disposal of sewage products and other wastes. *Three hours, second semester* (C. E.) SENIORS.
Professor Puffer
47. HYDRAULICS. A study of pressure of liquids on submerged surfaces; stresses in pipes; stability of floating bodies; flow through orifices, tubes, pipes and over weirs; flow in conduits, canals and natural streams; meters and water measurement; hydrodynamics and hydraulic machinery. *Three hours, first semester* (ENG.) SENIORS.
Professor Puffer
48. HYDRAULICS LABORATORY. An experimental and field course in hydraulic measurements, including stream flow; tests of meters, weirs and orifices; friction loss in pipes; tests of pumps, water wheels and other hydraulic machinery. Laboratory Fee \$2.50. *One hour, first semester* (ENG.) SENIORS.
Professor Aldrich
49. MATERIALS LABORATORY. Testing of Portland cement, aggregates, concrete, wood and steel; elementary tests of soils. Laboratory Fee \$5.00. *Two hours, second semester* (C. E.) SENIORS.
Professor Aldrich
130. HIGHWAY TRAFFIC ENGINEERING. Causes of congestion; causes of accidents; methods of relieving congestion and reducing accidents; regulation of moving traffic; regulation of parking; regulation of pedestrians; traffic signs and signals; municipal traffic codes; traffic bureaus; application of engineering, enforcement, and education to the traffic problem. *Two hours, second semester.* ELECTIVE JUNIORS AND SENIORS.
Professor Aldrich
140. WATER POWER ENGINEERING. The study of precipitation and runoff; stream flow and storage, and their effect on power development; theory of the water wheel; power plant design and the valuation of water power. The class visits operating power plants. *Three*

hours, first semester. PREREQUISITE: C. E. 47. ELECTIVE (ENG.) SENIORS. Professor Puffer

141. ADVANCED GEODESY. A study of the theory of least squares and problems of adjustment of observations, including position computations, and the derivation of geodetic formulas. *Three hours. ELECTIVE (C. E.) SENIORS. Professor Butterfield*

ELECTRICAL ENGINEERING

Professors McKee, Buchanan, Williams and Shorey

20. ELEMENTS OF ELECTRICAL ENGINEERING. A study of the laws of electric and magnetic circuits and their application to Electrical Engineering. *Five hours, first semester (E. E.) SOPHOMORES. PREREQUISITE: CREDIT OR ENROLLMENT IN M. M. 21.*
21. DIRECT CURRENT MACHINES. A course presenting the characteristics of direct current machines. *Two hours, second semester (E. E.) SOPHOMORES. PREREQUISITE: E. E. 20.*
30. ELECTRONICS. A study of the theory, characteristics, and engineering application of electron tubes. *Three hours, second semester (E. E.) JUNIORS. PREREQUISITES: PHYSICS 1 AND CREDIT OR ENROLLMENT IN E. E. 35 OR CREDIT IN E. E. 37.*
31. DIRECT CURRENT MACHINES. A continuation of E. E. 21. *Four hours, first semester (E. E.) JUNIORS. PREREQUISITE: E. E. 21.*
32. ELECTRICAL LABORATORY. A course in direct current measurements and circuits and experimental determination of the characteristics of direct current machines. Laboratory Fee \$5.00. *Two hours, first semester (E. E.) JUNIORS. PREREQUISITE: CREDIT OR ENROLLMENT IN E. E. 31.*
33. ELECTRICAL LABORATORY. A continuation of E. E. 32 and including the experimental determination of the properties of alternating current circuits. Laboratory Fee \$5.00. *Two hours, second semester (E. E.) JUNIORS. PREREQUISITES: E. E. 32 AND CREDIT OR ENROLLMENT IN E. E. 35.*
34. ALTERNATING CURRENT THEORY. The mathematical and graphical analysis of current and voltage relationships in single phase and poly-phase circuits. *Three hours, first semester (E. E.) JUNIORS. PREREQUISITES: PHYSICS 1, M.-M. 21-22 AND E. E. 20.*
35. ALTERNATING CURRENT THEORY. A continuation of E. E. 34. *Three hours, second semester (E. E.) JUNIORS. PREREQUISITE: E. E. 34.*

36. DIRECT CURRENT CIRCUITS AND MACHINES. The laws of electric and magnetic circuits and the characteristics of direct current machines. Laboratory Fee \$2.50. *Four hours, first semester* (C. E. AND M. E.) JUNIORS. PREREQUISITES: M.-M. 21-22 AND PHYSICS 1.
37. ALTERNATING CURRENT CIRCUITS AND MACHINES. The laws of single phase and polyphase alternating current circuits and the characteristics of alternating current machines. Laboratory Fee \$2.50. *Four hours, second semester* (C. E. AND M. E.) JUNIORS. PREREQUISITE: E. E. 36.
40. ELECTRONICS LABORATORY. The experimental determination of the characteristics of electron tubes and a study of the circuits commonly used in the application of electronic devices. Laboratory Fee \$2.50. *One hour, first semester* (E. E.) SENIORS. PREREQUISITE: E. E. 30.
41. POWER TRANSMISSION. A study of the design, construction, and operation of transmission and distribution systems. *Three hours, second semester* (E. E.) SENIORS. PREREQUISITE: E. E. 35.
42. ELECTRICAL LABORATORY. A course in the experimental determination of the characteristics of alternating current circuits and machines. Laboratory Fee \$5.00. *Two hours, first semester* (E. E.) SENIORS. PREREQUISITES: E. E. 35 AND CREDIT OR ENROLLMENT IN E. E. 44.
43. ELECTRICAL LABORATORY. A continuation of E. E. 42. Laboratory Fee \$5.00. *Two hours, second semester* (E. E.) SENIORS. PREREQUISITES: E. E. 42 AND CREDIT OR ENROLLMENT IN E. E. 45.
44. ALTERNATING CURRENT MACHINES. A study of the principles of design, construction and operation of alternating current machines. *Three hours, first semester* (E. E.) SENIORS. PREREQUISITES: E. E. 31 AND 35.
45. ALTERNATING CURRENT MACHINES. A continuation of E. E. 44. *Five hours, second semester* (E. E.) SENIORS. PREREQUISITE: E. E. 44.
46. WIRE COMMUNICATION. Network theory and the fundamental principles of wire communication systems. Laboratory Fee \$2.50. *Three hours, first semester* (E. E.) SENIORS. PREREQUISITE: E. E. 35.
47. WIRE COMMUNICATION. A continuation of E. E. 46. Laboratory Fee \$2.50. *Five hours, second semester* (E. E.) SENIORS. PREREQUISITE: E. E. 46.
48. RADIO COMMUNICATION. The fundamental principles of radio communication systems. Laboratory Fee \$2.50. *Five hours, second semester* (E. E.) SENIORS. PREREQUISITE: E. E. 35.

49. POWER STATIONS. A course presenting the Electrical Engineering features of steam, water and oil engine power plants. *Three hours, second semester*, SENIORS, ELECTIVE. PREREQUISITES: ENROLLMENT IN E. E. 45 OR CREDIT IN E. E. 37.
140. TRANSIENT PHENOMENA. A mathematical development of common voltage and current transients with experimental check by means of the oscillograph. Laboratory Fee \$2.50. *Three hours, second semester* (E. E.) SENIORS, ELECTIVE. PREREQUISITE: E. E. 35.
141. SPECIAL TOPICS. Formulation and solution of theoretical and practical problems dealing with electrical circuits, apparatus, machines or systems. *Three hours, first semester* (E. E.) SENIORS, ELECTIVE. PREREQUISITE: E. E. 35.
142. SPECIAL TOPICS. A continuation of E. E. 141. *Three hours, second semester* (E. E.) SENIORS, ELECTIVE. PREREQUISITE: E. E. 35.
143. ADVANCED COMMUNICATION ENGINEERING. A study of the theory of circuits and networks used for communication systems. Laboratory Fee \$2.50. *Three hours, second semester* (E. E.) SENIORS, ELECTIVE. PREREQUISITE: E. E. 46.

MATHEMATICS AND MECHANICS

Professors Butterfield, Bullard, and Millington

- A. INTERMEDIATE ALGEBRA. A review course for those not sufficiently prepared for the engineering mathematics of the freshman year. No Fee. NO DEGREE CREDIT.
- B. SOLID GEOMETRY. A course required of those who do not present solid geometry as an entrance credit. Fee \$10.00. *Two hours, first semester* (ENG.) FRESHMEN. NO DEGREE CREDIT.

Professor Millington

- 11 AND 12. ADVANCED ALGEBRA. The topics studied are theory of equations, determinants, permutations and combinations, probability, imaginary and complex numbers, logarithms, exponential equations, interest and annuities.

TRIGONOMETRY. The topics studied are logarithmic computation, development and use of fundamental formulas of analytical trigonometry, solution of right and oblique plane triangles with applications, solution of right and oblique spherical triangles with applications to the terrestrial and astronomical triangles.

13. PLANE ANALYTICAL GEOMETRY. The topics studied are systems of coordinates and their transformations, rectilinear and polar equations

of the straight line, the conic sections, and higher plane curves. *Four hours, second semester (ENG.) FRESHMEN.*

Professors Butterfield and Millington

- *21. DIFFERENTIAL CALCULUS. In Differential Calculus the topics included are rates, maxima and minima, series, expansion of functions, indeterminate forms, partial and total derivatives. The study of planes, lines and quadric surfaces in solid analytic geometry is also included. *Four hours, first semester (ENG.) SOPHOMORES.*

Professors Butterfield and Millington

- *22. INTEGRAL CALCULUS. In Integral Calculus the topics included are the standard forms of integration and their application to engineering and physical problems, in obtaining areas, surfaces, volumes, centroids, and moments of inertia. *Four hours, second semester (ENG.) SOPHOMORES.*

Professors Butterfield and Millington

- †23. THEORETICAL MECHANICS (STATICS). The course includes a study of fundamental concepts, the resultant of a force system by graphical and analytical methods, conditions of equilibrium and the applications to cranes, trusses and flexible cables, followed by centers of gravity and moments of inertia. *Three hours, second semester (ENG.) SOPHOMORES. PREREQUISITE: M.-M. 21.*

Professor Bullard

- ‡31. THEORETICAL MECHANICS (KINETICS). The course is a continuation of Statics treating the equations of motion of a body under the action of a force system, the principles of work and energy, impulse and momentum. *Three hours, first semester (ENG.) JUNIORS.*

Professor Bullard

32. MECHANICS OF MATERIALS. The course includes a study of the behavior of elastic bodies, with particular attention to the beam, shaft and column, including simple stress and strain, combined stresses, the elastic curve, and strain energy. *Three hours, second semester (ENG.) JUNIORS.*

Professor Bullard

104. ADVANCED MATHEMATICS. This course is arranged to give special work in mathematics to those engineers who desire to study the application of mathematics to particular subjects as in differential equations or advanced calculus or advanced mechanics and may include advanced geodesy and the theory of least squares. *Three hours, each semester, JUNIORS AND SENIORS. ELECTIVE.*

Professors Butterfield and Bullard

* Given in summer quarter under the accelerated program.

† Given in first semester under accelerated program.

‡ Given in second semester under accelerated program.

MECHANICAL ENGINEERING

Professors Chapman and Lucarini; Mr. Batchelder.

11. MECHANICAL DRAWING. Practice and development of proficiency in the use of drawing equipment. The work includes the use of instruments, lettering, sketching, inking, tracing and elementary projective drawing. (Three laboratory periods. No laboratory fee.) *Three hours, first semester.* REQUIRED (ENG.) FRESHMEN.
12. MECHANICAL DRAWING. Theory and application of orthographic projection, dimensioning, applications of conventions and standards, elementary detail, and assembly drawings of machines and structures. (Three laboratory periods. No laboratory fee.) *Three hours, second semester.* REQUIRED (ENG.) FRESHMEN.
23. MANUFACTURING PROCESSES. A laboratory course covering elementary principles in the fields of metal casting, machining, welding, and forming. (Two laboratory periods.) Laboratory Fee \$5.00. *Two hours, first semester.* REQUIRED (M. E.) SOPHOMORES.
24. MANUFACTURING PROCESSES. A laboratory study of methods, jigs, fixtures, special tools and gauges with practice in their uses during manufacturing for interchangeable and progressive assembly. (Two laboratory periods.) Laboratory Fee \$5.00. *Two hours, second semester.* REQUIRED (M. E.) SOPHOMORES.
25. FUELS AND COMBUSTION. This course includes the study of the analysis of solid, liquid and gaseous fuels; the principles of the theory and practice in the combustion of fuels; and the correlation of commercial specifications with the analysis and ultimate utilization of fuels. Two recitation and one laboratory periods. Fee \$2.50. *Three hours, first semester.* REQUIRED (M. E.) SOPHOMORES. PREREQUISITE: CHEMISTRY 1.
32. KINEMATICS. The analysis of displacements, velocities, and accelerations in machines and the application of such analysis to cams, gears, and other mechanisms. Three laboratory periods. *Three hours, second semester.* REQUIRED (M. E.) JUNIORS. PREREQUISITES: M. E. 12 AND M.-M. 31.
33. SHOP PRACTICE. Advanced work in the fields of machining, wood working, welding or sheet metal fabrication according to the needs of the student. Especially adapted to those preparing for the teaching of Industrial Arts. Three laboratory periods. Laboratory Fee \$7.50. *Three hours.* REQUIRED (IND. ED.) SENIORS. ELECTIVE. PREREQUISITE: M. E. 24.

35. THERMODYNAMICS. The fundamental principles of engineering thermodynamics and the application of these principles to heat engine, air compression, and refrigeration cycles. Three recitation periods. *Three hours, first semester.* REQUIRED (M. E.) AND (E. E.) JUNIORS. PREREQUISITES: PHYSICS 1 AND M.-M. 21 AND 22.
36. INTERNAL COMBUSTION ENGINES. The thermodynamic and mechanical principles of the design, operation and performance of spark ignition and Diesel engines. Two recitation and one laboratory periods. Laboratory Fee \$2.50. *Three hours, second semester.* REQUIRED (M. E.) JUNIORS. PREREQUISITE: M. E. 35.
38. POWER ENGINEERING. A short course in the fields of steam and internal combustion engine power. Analysis of the design, operation and performance of characteristic equipment. Two recitation and two laboratory periods. Laboratory Fee \$5.00. *Four hours, second semester.* REQUIRED (E. E.) JUNIORS. PREREQUISITE: M. E. 35.
39. INDUSTRIAL METALLURGY. The fundamentals of ferrous and non-ferrous metallurgy. Physical and metallographic characteristics correlated with the theory and practice of industrial metallurgical processes. Two recitation and one laboratory periods. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (M. E.) JUNIORS. PREREQUISITES: CHEMISTRY 1 AND PHYSICS 1.
41. MACHINE STRESS ANALYSIS. This course includes the study and use of the mathematical and graphical methods suited to the analysis and determination of static and dynamic stresses in machine parts. Three recitation and one laboratory periods. No laboratory fee. *Four hours, first semester.* REQUIRED (M. E.) SENIORS. PREREQUISITES: M. E. 32 AND M.-M. 32.
42. MACHINE DESIGN. A study of the design of the elements of machines. Three recitation and one laboratory periods. No laboratory fee. *Four hours, second semester.* REQUIRED (M. E.) SENIORS. PREREQUISITE: M. E. 41.
43. INDUSTRIAL ENGINEERING. This course is a study of the principles of management and their applications to industrial organizations and industrial operations. Two recitation and one laboratory periods. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (M. E.) SENIORS. PREREQUISITE: M. E. 24.
44. FACTORY PLANNING. The systematic analysis of the requirements of a factory for a specific purpose. Work includes the consideration of such items as location, plant design, equipment requirements, general layout and production planning. One recitation and

- two laboratory periods. No laboratory fee. *Three hours, second semester.* REQUIRED (M. E.) SENIORS. PREREQUISITE: M. E. 43.
45. AIR CONDITIONING. The applications of the fundamental principles of thermodynamics in a study of the design and performance of air conditioning equipment and systems for residences, public buildings and industrial plants. Two recitation and one laboratory periods. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (M. E.) SENIORS. PREREQUISITE: M. E. 35.
47. STEAM POWER PLANTS. The study of the thermodynamic and mechanical principles of the design, installation, operation, and performance of steam power plant equipment. Two recitation and two laboratory periods. Laboratory Fee \$2.50. *Four hours, second semester.* REQUIRED (M. E.) SENIORS. PREREQUISITE: M. E. 35.
48. AERODYNAMICS. The course includes the study of the application of the principles of the mechanics of fluids to the airplane, to fan and propeller characteristics and to the flow of gases and vapors. Two recitation and one laboratory periods. Laboratory Fee \$2.50. *Three hours, second semester.* REQUIRED (M. E.) SENIORS. PREREQUISITES: C. E. 47 AND 48.
49. SPECIAL PROBLEMS. A study and investigation on a topic or problem of special interest to the student. Formal submission of results in thesis form required. Problems must be approved by the Chairman of the Department before election of the course. *Meetings as arranged, two or three hours. First and second semesters.* ELECTIVE (M. E.) SENIORS BY PERMISSION.
50. SEMINAR. Meetings are devoted to discussions of the Mechanical Engineering Profession, the ethics, responsibilities and status of members of the Profession, and timely activities of present-day practice. Current issues of pertinent publications are used as collateral reading and as guides in the study and discussion of contemporary progress in the field. *Two hours, second semester.* REQUIRED (M. E.) SENIORS.
101. ADVANCED HEAT ENGINES. This is an advanced study in theoretical thermodynamics with applications in specific types of heat engines according to the interests of the students. *Three to six hours, first semester, second semester.*
102. VIBRATIONS IN MACHINES. An advanced course in the field of machine design with special emphasis on problems of vibrations. Topics considered include causes of vibrations, methods of study of vibratory motion, determination of vibration stresses, and methods

of balancing and damping. *Three to six hours, first semester, second semester.*

103. RESEARCH. The work includes selection of a topic, reading, development of research program and submission of satisfactory thesis. *Three to six hours, first semester, second semester.*

The College of Agriculture

The College of Agriculture performs three public functions: it teaches, it investigates, it disseminates. These three lines of work are carried out respectively by the College as such, by the Agricultural Experiment Station, and by the Agricultural Extension Service.

The College as such offers professional curricula in Agriculture and Home Economics.

The Agricultural Experiment Station has as its essential functions to conduct research in Agriculture and Home Economics, to administer certain regulatory statutes, and to publish the results of such work.

The Vermont Agricultural Extension Service is a cooperative undertaking of the State of Vermont, the College of Agriculture, the United States Department of Agriculture, and the farm bureaus of the several counties of the State. It has a State staff, with headquarters at the University, and a staff of county extension agents in each county. Its purpose is "to aid in diffusing among the people . . . useful and practical information on subjects relating to agriculture and home economics, and to encourage the application of the same." It works primarily with the rural people of the State, including both adults and children.

THE CURRICULA IN AGRICULTURE

It is an aim of this College to impart to its students in agriculture such theoretical and practical training as will serve to fit them successfully to engage in agricultural pursuits, using that term in the widest sense; that is to say, including not only the conduct of operations directly or indirectly related to agriculture, but also of teaching, research, or extension in agriculture. While its fundamental concept is to make agriculture and related subjects the main line of effort, the course is broad in its scope and includes mathematics, literature, sciences, and other cultural studies. The technique of the sundry operations is exemplified, so far as time, means, and equipment permit, but the emphasis is laid on lectures, textbook assignments, and laboratory work more than upon field operations.

There are five options of the Agricultural curricula each leading to the degree of Bachelor of Science in Agriculture. These options are: the Teaching of Agriculture, Plant Industry, Dairy Production, Dairy Manufactures, and Agricultural Economics. The total number of semester hours required for the degree is one hundred forty-four for men, one hundred thirty-six for women. Men are required to complete two courses in Military Science for a total credit of eight semester hours. This credit becomes an integral part of the record and is counted toward graduation. Two years of Physical Education are required of all students. Advanced Military Science is an acceptable free elective for men who have completed the basic courses subject to the approval of the Professor of Military Science and Tactics.

AGRICULTURAL CURRICULA

THE FRESHMAN YEAR		1ST	2ND	THE SOPHOMORE YEAR		1ST	2ND
		SEMESTER				SEMESTER	
English Comp. (Eng. 1)	3	3		Eng. Literature (Eng. 2)	3	3	
Freshman Math. (Math. 1)	3	...		Elem. Economics (Ec. 1)	3	3	
Gen. Botany (Bot. 3)	3	3		Gen. Microbiology (Bot. 11)	4	...	
Inorganic Chem. (Chem. 23)	4	4		Agricul. Chem. (Chem. 15) .....	...	3	
Gen. Zoology (Zool. 4) .....	...	4		Field Crops (Agro. 2)	3	...	
Pomology (Hort. 1)	3	...		Live Stock (A.D.H. 3)	2	3	
Dairy Manuf. 1 (A.D.H. 10) .....	...	3		Stock Feeding (A.D.H. 1) .....	...	3	
Physical Education 1	1	1		*Elective	3	3	
Military Science 1 (Men)	2	2		Physical Education 2	1	1	
				Military Science 2 (Men)	2	2	

* Restricted; for P. I. to Botany 4, for D. M. to Animal and Dairy Husbandry 8-9, for Tch. Ag. to Poultry Husbandry 1 (Second Semester). Any one of these may be taken by D. P. and Agl. Econ.

Minimum credit of 34 semester hours is required in the Junior year and 32 semester hours in the Senior year. Following is the distribution of courses under the several options.

TEACHING OF AGRICULTURE OPTION

THE JUNIOR YEAR		1ST	2ND	THE SENIOR YEAR		1ST	2ND
		SEMESTER				SEMESTER	
Soils & Soil Mgt. (Agro. 1)	3	3		Farm Mgt. (Agl. Ec. 1)	3	3	
Woodlot Forestry (For. 2)	3	3		Marketing (Agl. Ec. 2) .....	...	3	
Prin. of Education (Ed. 1)	3	...		Farm Mech. (Agl. Eng. 1)	3	...	
Tchg. Agri. 1 (Agl. Ed. 2) .....	...	2		Agr. & Civ. (Agl. Phil. 1) .....	...	3	
*Electricity (Agl. Eng. 2)	3	...		*Agl. Coop. & Credit (Agl. Ec. 3)	3	...	
Laying Flock Mgt. (P.H. 2)	3	...		Tchg. Farm Shop (Agl. Ed. 10) .....	...	3	
Electives	2	9		Tchg. Agri. (Agl. Ed. 3, 5)	5	2	
				Electives	1	3	

* These courses are given only in alternate years, and are taken by both Juniors and Seniors of the year in which they are given.

PLANT INDUSTRY OPTION

THE JUNIOR YEAR	1ST. SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Soil Mgt. (Agro. 1)	3	3	Farm Mgt. (Agl. Ec. 1)	3	3
Woodlot Forestry (For. 2)	3	3	Marketing (Agl. Ec. 2) .....	...	3
*Adv. Field Crops (Agro. 3)	3	...	*Entomology (Zool. 8)	2	...
*Greenhouse Mgt. (Hort. 4, 5)	3	3	*Adv. Pomology (Hort. 2)	3	...
Laying Flock Mgt. (P.H. 2)	3	...	Farm Mech. (Agl. Eng. 1)	3	...
Genetics 1 .....	...	3	Agr. & Civ. (Agl. Phil. 1) .....	...	3
Plant Pathology (Bot. 10)	3	...	Electives	5	5
Electives .....	...	5			

THE DAIRY PRODUCTION OPTION

THE JUNIOR YEAR	1ST. SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Soil & Soil Mgt. (Agro. 1)	3	3	Farm Mgt. (Agl. Ec. 1)	3	3
Woodlot Forestry (For. 2)	3	3	Marketing (Agl. Ec. 2) .....	...	3
Laying Flock Mgt. (P.H. 2)	3	...	Farm Mech. (Agl. Eng. 1)	3	...
Genetics 1 .....	...	3	Agr. & Civ. (Agl. Phil. 1) .....	...	3
*Dairy Herd Mgt. (A.D.H. 6)	3	...	*Horse, Sheep, Swine Mgt. (A.D.H. 7)	3	...
Adv. Stock Judging (A.D.H. 5) .....	...	3	Electives	7	7
Veterinary Science .....	...	3			
Electives	5	2			

THE DAIRY MANUFACTURES OPTION

THE JUNIOR YEAR	1ST. SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Soil Mgt. (Agro. 1)	3	3	Farm Mgt. (Agl. Ec. 1)	3	3
Judging Dairy Prod. (A.D.H. 15) .....	...	2	Marketing (Agl. Ec. 2) .....	...	3
Dairy Pl. Oper. (A.D.H. 18) .....	...	1	Farm Mech. (Agl. Eng. 1)	3	...
*Butter, Ice Cream (A.D.H. 11, 14)	3	3	Agr. & Civ. (Agl. Phil. 1) .....	...	3
Electives	11	8	*Milk, Cheese (A.D.H. 13, 12)	3	3
			Electives	7	4

THE AGRICULTURAL ECONOMICS OPTION

THE JUNIOR YEAR	1ST. SEMESTER	2ND SEMESTER	THE SENIOR YEAR	1ST SEMESTER	2ND SEMESTER
Soil Mgt. (Agro. 1)	3	3	Farm Mgt. (Agl. Ec. 1)	3	3
Woodlot Forestry (For. 2)	3	3	Marketing (Agl. Ec. 2) .....	...	3
*Agl. Problems (Agl. Ec. 4)	3†	...	†Agl. Coop. & Credit (Agl. Ec. 3)	3	...
‡Electives	7	10	Agr. & Civ. (Agl. Phil. 1) .....	...	3
			‡Electives	7	10

* These courses are given only in alternate years, and are taken by both Juniors and Seniors of the year in which they are given.

† Political Science 7, Vermont Local Govt., may be substituted.

‡ Not less than 15 hours should be chosen in the fields of Economics, Political Science, Psychology, and Sociology.

THE CURRICULA IN HOME ECONOMICS

The purpose of this department is to meet the needs of students interested in the principles and processes involved in home-making, whether with an interest in family life or in training for a profession. The curricula are uniform for all students in the freshman year. At the beginning of the sophomore year, the student may choose to pursue any one of the four options.

The General Home Economics option supplies a background which will enable students to become more intelligent home-makers. The Home Economics Education option prepares students to teach Home Economics on the secondary level in Vermont and some other states. The Clothing, Textile, and Related Art option is especially designed for students who wish to enter the fields of costume design, interior decoration, or merchandising. The Food and Nutrition option is designed to prepare students for positions as dietitians in hospitals, colleges, or other institutions, as nutrition or food specialists, or for positions as demonstrators or in commercial food firms.

HOME ECONOMICS CURRICULA

THE FRESHMAN YEAR		1ST SEMESTER	2ND SEMESTER	THE SOPHOMORE YEAR		1ST SEMESTER	2ND SEMESTER
English Composition (Eng. 1)	3	3		Elem. Economics (Ec. 1)	3	3	
American History (Hist. 14)	3	3		English 2, 7, or 116	3	3	
Inorganic Chem. (Chem. 22)	5	...		Gen. Psychology (Psych. 1)	3	3	
Organic Chem. (Chem. 19)	...	5		Food Preparation (F.N. 20)	3	3	
Orientation (G.H.E. 10)	1	1		Housing & Equip. (H.I.M. 20)	3	...	
Applied Design (C.T. 11)	3	...		History of Art	...	3	
Clothing Selection (C.T. 10)	...	3		*Clothing 1 (C.T. 20)	...	3	
Household Physics (Phys. 2)	...	3		*Textiles (C.T. 21)	3	...	
Botany 5 or Zoology 3	3	...		Physical Education 2	1	1	
Physical Education 1	1	1					
	19	19				19	19

THE JUNIOR YEAR		1ST SEMESTER	2ND SEMESTER
Human Physiology (Zool. 13)	3	...	
Household Micro. (Bot. 13)	...	3	
Amer. Govt. (Pol. Sci. 1)	3	3	
Home Planning & Furn. (H.I.M. 21)	3	...	
Meal Planning & Serv. (F.N. 32)	3	...	
Home Mgt. (H.I.M. 30)	...	3	

* In the Food and Nutrition Option, these courses are replaced respectively by Biochemistry (Chem. 24) and Chemistry of Foods (Chem. 20).

In addition to the courses listed, the several options require the following additional courses and electives as needed to complete a total of about eighteen hours each semester.

General Home Economics Option: in the second semester, Diet and Nutrition (F. N. 32) 5 hrs. and Clothing 2 (C. T. 30) 3 hrs.

Home Economics Education Option: in the first semester, Principles of Education (Ed. 1) 3 hrs.

Clothing, Textile, and Related Art Option: in the first semester, Journalism (Eng. 15) 3 hrs. and Textile Analysis (C. T. 32) 3 hrs.; in the second semester, History of Costume (C. T. 31) 3 hrs.

Food and Nutrition Option: in the first semester, Journalism (Eng. 15) 3 hrs. and Educational Psychology (Ed. 3) 3 hrs.; in the second semester, Food Economics (F. N. 31) 3 hrs.

THE SENIOR YEAR

GENERAL HOME ECONOMICS OPTION

	1ST SEMESTER	2ND SEMESTER
Home Mgt. House (H.I.M. 41)	3	or 3
Child Care (F.R. 40)	3	...
Child Development (F.R. 41)	3	...
Family Relation. (F.R. 42)	3	...
Children's Clothing (C.T. 41) .....	...	2
Related Arts (C.T. 43) .....	...	3
Child Nutrition (F.N. 43)	3	...
History, Elective	3	3
Electives		6-9

HOME ECONOMICS EDUCATION OPTION

	1ST SEMESTER	2ND SEMESTER
Child Care (F.R. 40)	3	...
Child Development (F.R. 41)	3	...
Family Relation. (F.R. 42)	3	...
Meth. of Teach. (H.E.E. 40)	2	...
Electives	5-8	...
BLOCK A, 7 or 8 wks.		
Home Mgt. House (H.I.M. 41) .....	...	3
Related Arts (C.T. 43) .....	...	3
Spec. Problems (H.E.E. 42) .....	...	2-3
BLOCK B, 7 or 8 wks.		
Student Teach. (H.E.E. 41) .....	...	7
Meth. of Teach. (H.E.E. 40) .....	...	1

CLOTHING, TEXTILE, RELATED ART OPTION

	1ST SEMESTER	2ND SEMESTER
Applied Psych. (Psych. 2)	3	3
Social Economics (Ec. 110)	3	3
Home Mgt. House (H.I.M. 41)	3	or 3
Related Arts (C.T. 43) .....	...	3
Costume Design (C.T. 42)	3	...
Adv. Cloth. Prob. (C.T. 40)	3	...
Electives	3-6	3-9

FOOD AND NUTRITION OPTION

	1ST SEMESTER	2ND SEMESTER
Home Mgt. House (H.I.M. 41)	3	or 3
Diet in Disease (F.N. 44)	3	...
Quan. Food Prep. (F.N. 41)	3	...
Insti. Mgt. (H.I.M. 40) .....	...	3
Exper. Food Prep. (F.N. 40) .....	...	3
Food Demonstra. (F.N. 42) .....	...	1
Electives	9-12	8-10

COURSES OF INSTRUCTION

AGRICULTURE

AGRONOMY

Professor Miller

1. SOILS AND SOIL MANAGEMENT. Physiography, physics, chemistry, and biology of soils. Two lectures, one laboratory. Laboratory Fee \$2.50 per semester. *Three hours.* REQUIRED (AG.) JUNIORS.
2. FIELD CROPS. Hay and pasture grasses, legumes, cereal, cash and special crops; market grades, judging and identification. One lecture, two laboratory periods. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (AG.) SOPHOMORES.
3. ADVANCED FIELD CROPS. Field inspections of farms practicing improved pasture and crop programs, study of questions received from farmers relative to crops, crop sequences, rotation and field plot technique. Thesis required. *Three hours, first semester.* REQUIRED (P.I.) JUNIORS AND SENIORS. (Offered 1944-45.)
103. SPECIAL INVESTIGATION. Advanced course. Reference reading, field and laboratory studies. Thesis and participation in departmental seminars required. *Two or more hours.* ELECTIVE TO JUNIORS, SENIORS, AND GRADUATE STUDENTS.

ANIMAL AND DAIRY HUSBANDRY

Professors Ellenberger, Herreid, Newlander, and Allen; Mr. Slack

1. STOCK FEEDING. The principles of animal nutrition; ration formulation and feeding practice. Lectures, recitations, laboratory. *Three hours, second semester.* REQUIRED (AG.) SOPHOMORES.

Professors Ellenberger and Newlander

3. LIVE STOCK. Study of breeds and stock judging. Lectures, recitations, scoring practice. *Two hours, first semester; three hours, second semester.* REQUIRED (AG.) SOPHOMORES.

Professor Allen

5. ADVANCED STOCK JUDGING. Advanced study of types and strains, competitive judging, particularly of dairy cattle. *Three hours, second semester.* REQUIRED (D.P.) JUNIORS. *Professor Allen*
6. DAIRY HERD MANAGEMENT. Herd improvement and management, emphasizing economic production, records and farm practice. Lec-

tures, recitations, laboratory. *Three hours, first semester.* REQUIRED (D.P.) JUNIORS OR SENIORS. (Offered 1944-45.)

Professor Allen

7. HORSE, SHEEP, AND SWINE MANAGEMENT. Breeding, economic production, and farm practice. Lectures, recitations, laboratory. *Three hours, first semester.* REQUIRED (D.P.) JUNIORS OR SENIORS. (Offered 1943-44.)

Professor Allen

8. DAIRY CHEMISTRY. Chemical composition and properties of dairy products; tests for adulterations, pasteurization, fats, and solids including Mojonnier methods. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, first semester.* REQUIRED (D.M.) SOPHOMORES.

Professor Newlander; Mr. Slack

9. DAIRY BACTERIOLOGY. Relation of micro-organisms to milk and milk products, methods of examination and control. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, second semester.* REQUIRED (D.M.) SOPHOMORES.

Professor Newlander; Mr. Slack

10. INTRODUCTION TO DAIRY SCIENCE. General dairying. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, second semester.* REQUIRED (AG.) FRESHMEN.

Professor Herreid; Mr. Slack

11. BUTTER, CONDENSED AND POWDERED MILK. Theory and practice. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, first semester.* REQUIRED (D.M.) JUNIORS OR SENIORS. (Offered 1944-45.)

Professor Herreid; Mr. Slack

12. CHEESE AND CASEIN. Theory and practice. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, second semester.* REQUIRED (D.M.) JUNIORS OR SENIORS. (Offered 1943-44.)

Professor Herreid; Mr. Slack

13. MARKET MILK. Quality production, processing, and marketing. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, first semester.* REQUIRED (D.M.) JUNIORS OR SENIORS. (Offered 1943-44.)

Professor Herreid; Mr. Slack

14. ICE CREAM. Theory and practice. Fee \$2.50. *Three hours, second semester.* REQUIRED (D.M.) JUNIORS OR SENIORS. (Offered 1944-45.)

Professor Herreid; Mr. Slack

15. JUDGING DAIRY PRODUCTS. Quality and market standards, scoring. Lectures, laboratory. Fee \$2.50. *Two hours, second semester.* REQUIRED (D.M.) JUNIORS.

Professor Newlander; Mr. Slack

116. SPECIAL INVESTIGATION. Advanced work, individual problems for qualified students. *Two or more hours.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS.

Professors Ellenberger, Herreid, Newlander, and Allen

18. DAIRY PLANT OPERATIONS. Two weeks of supervised practice in commercial plants in early September. *Credit one hour.* REQUIRED (D.M.) JUNIORS. *Professor Herreid*

POULTRY HUSBANDRY

Mr. Granger

1. BROODING AND REARING. Problems encountered in brooding and rearing chicks to laying age. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, second semester.* REQUIRED (TCH. AGR.) SOPHOMORES. ELECTIVE TO JUNIORS AND SENIORS.
2. LAYING FLOCK MANAGEMENT. Lectures, recitations, laboratory. Fee \$2.50. *Three hours, first semester.* REQUIRED (TCH. AGR., P.I., D.P.) JUNIORS.
3. ADVANCED POULTRY MANAGEMENT. Work in fields of special interest to the students enrolled; project work under supervision. *Three hours per semester, either or both semesters.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS. PREREQUISITE: POULTRY HUSBANDRY 1 OR 2.

AGRICULTURAL ECONOMICS

Professor S. W. Williams

1. FARM MANAGEMENT. The principles and problems involved in the organization and operation of a successful farm business. *Three hours.* REQUIRED (AG.) SENIORS.
2. MARKETING AGRICULTURAL PRODUCTS. Economic aspects of the marketing of the chief products of Vermont farms. *Three hours, second semester.* REQUIRED (AG.) SENIORS.
3. AGRICULTURAL COOPERATION AND CREDIT. Farmers' business organizations, with emphasis on factors contributing to success, and the agencies extending agricultural credit, their practices, and problems. *Three hours, first semester.* REQUIRED (AGL. ECON., TCH. AG.) JUNIORS AND SENIORS. (Offered 1943-44.)
4. PUBLIC PROBLEMS OF AGRICULTURE. Price fluctuation as it affects farming, agricultural legislation, land use, and other public questions of special interest to farmers. *Three hours, first semester.* REQUIRED (AGL. ECON.) JUNIORS AND SENIORS. (Offered 1944-45.)

AGRICULTURAL EDUCATION

*Professors Martin, Douglass, Holbrook, and Nelle Adams;
Messrs. Granger and Park**

1. PRINCIPLES OF EDUCATION. (See Education 1.)
Professors Holbrook and Adams
2. TEACHING AGRICULTURE 1. Designed to give prospective agriculture teachers opportunity to survey the field, study their personal fitness for a teaching career, and gain preparation necessary for doing observation and practice teaching at an early date. *Two hours, second semester.* REQUIRED (TCH. AG.) JUNIORS.
3. TEACHING AGRICULTURE 2. Continuing the work of Agricultural Education 2, and giving special attention to the philosophy and psychology underlying agriculture teaching. *Two hours, first semester.* REQUIRED (TCH. AG.) SENIORS.
4. TEACHING AGRICULTURE 3. Methods related to part-time and evening-school teaching and advising Future Farmer of America chapters. *Two hours, second semester.* REQUIRED (TCH. AG.) SENIORS.
5. TEACHING AGRICULTURE 4. Observation and student teaching of high school classes under supervision. Practice Fee \$10.00 (returnable under certain conditions). Three weeks either semester. *Three hours.* REQUIRED (TCH. AR.) *Professor Martin*
10. TEACHING OF FARM SHOP. Objectives, course construction, lesson planning, shop management, selection and arrangement of shop equipment, and instruction in wood, concrete, metal, leather working skills. Laboratory Fee \$2.50. *Three hours, second semester.* REQUIRED (TCH. AG.) SENIORS. *Mr. Granger*

AGRICULTURAL ENGINEERING

Mr. Granger

1. FARM MECHANICS. Farm engineering and mechanics including current problems in general agricultural engineering. One lecture; two laboratories. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (TCH. AG., P.I., D.P., D.M.) SENIORS.
2. ELECTRICITY IN THE HOME AND ON THE FARM. Wiring, motors, farm appliances, safe use of electrical energy. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (TCH. AG.) JUNIORS OR SENIORS. (Offered 1942-43.)

* Military leave.

AGRICULTURAL PHILOSOPHY

1. SOCIAL PHILOSOPHY OF AMERICAN AGRICULTURE. A preliminary survey of European backgrounds; the history of American thought in respect to agriculture in this country; the more important agricultural problems of today in the light of American democratic thought. *Three hours, second semester.* REQUIRED (AG.) SENIORS.
Professor Dykhuizen

FORESTRY

**Professor Adams and Mr. Larsen*

1. CONSERVATION OF NATURAL RESOURCES. *Two hours, first semester.* ELECTIVE. Omitted for duration of the war.
2. WOODLOT FORESTRY. The theory and practice of silviculture, nursery management, natural and artificial regeneration, and the identification and classification of economic woods. Lectures, text assignments, field work. *Three hours.* REQUIRED (TCH. AG., P. I., D. P., AGL. ECON.) JUNIORS.
3. MENSURATION AND WOODLOT MANAGEMENT. The principles and practices in forest land survey and timber estimating, including a study of growth and yield. Principles of woodland management and finance. Lectures, text, field work. *Three hours, first semester.* ELECTIVE TO JUNIORS AND SENIORS.
6. SILVICS. *Three hours, first semester; repeated second semester.* PREREQUISITE: BOTANY 2 OR 3, OR FORESTRY 2. Omitted for duration of the war.
7. BIOLOGICAL STATISTICS. The application of the statistical method to the analysis of biological data with special reference to agriculture and forestry, including methods of sampling and testing samples, the application of statistical constants and the interpretation of data. Lectures and text assignments. *Three hours, second semester.* ELECTIVE TO JUNIORS, SENIORS, AND GRADUATE STUDENTS. (Omitted for duration of the war.)
8. WOOD TECHNOLOGY. *Three hours (two double periods).* REQUIRED (IND. ED.) SENIORS. ELECTIVE TO JUNIORS AND SENIORS. Omitted for duration of the war.

* Absent on leave: Military Service.

GENETICS

Professors Cummings and Allen

1. PLANT AND ANIMAL IMPROVEMENT. A course of studies in the principles of plant and animal improvement, origin of species and varieties, heredity, evolution, selection, hybridization, sterility and fecundity, and the principles of breeding. Lectures, text, laboratory. Fee \$2.00. *Three hours, second semester.* REQUIRED (P. I., D. P.) JUNIORS.

HOME ECONOMICS

*Professors King, Bailey, *Burwash, LeBaron, Doughty, Underwood and Holbrook; †Dr. Emelie Perkins, Dr. Viola Russell; Misses Rawson, Westby, Montgomery, Brown, and Dinegan; Mrs. Morrill*

GENERAL HOME ECONOMICS

10. ORIENTATION. A study of the problems of adjustment to college life and a survey of professional opportunities in Home Economics. *One hour.* REQUIRED (H. E.) FRESHMEN. *Professor King*

CLOTHING AND TEXTILES

10. CLOTHING SELECTION. A study of the artistic, psychological and economic problems involved in the selection and care of clothing. *Three hours, second semester.* REQUIRED (H. E.) FRESHMEN. *Miss Westby*
11. APPLIED DESIGN. Development of individual good taste and self-expression through the study and practical application of the principles of design and color. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (H. E.) FRESHMEN.
20. CLOTHING 1. A study of garment construction through the use of commercial patterns, of dress design and selection for the individual and of care and repair of clothing. Laboratory Fee \$2.50. *Three hours, second semester.* REQUIRED (GENL., ED., TEX.) SOPHOMORES. *Miss Rawson*
21. TEXTILES. A study of standard fabrics, including fiber content, construction, design and finishes; special emphasis on consumer-buyer

* Resigned September 21, 1942.

† Resigned April 27, 1942.

problems. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (GENL., ED., TEX.) SOPHOMORES.

30. CLOTHING 2. A study of commercial patterns and flat pattern designing; fundamental principles of dress selection and construction and special dress finishes applied to wool, silk, and rayon problems. Laboratory Fee \$2.50. *Three hours, second semester.* REQUIRED (GENL., ED., TEX.) JUNIORS.
31. HISTORY OF COSTUME. Costume from ancient times to the present day with opportunities for creative expression for dress and stage. *Three hours, second semester.* REQUIRED (GENL., TEX.) JUNIORS.
32. TEXTILE ANALYSIS. Physical, microscopical and chemical analysis of textile fabrics; application of testing processes; textile legislation. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (TEX.) JUNIORS. Miss Westby
40. ADVANCED CLOTHING PROBLEMS. The principles of draping; tailoring; remodeling and ready-to-wear alteration problems. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (TEX.) SENIORS.
41. CHILDREN'S CLOTHING. A study of fabrics, designs and the construction of infants' and children's clothing. Laboratory Fee \$2.50. *Two hours, second semester.* REQUIRED (GENL.) SENIORS.
42. COSTUME DESIGN. The relation of color, principles of design, and texture to dress design, experienced through various mediums and techniques. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (TEX.) SENIORS.
43. RELATED ARTS. The development of sensitivity to beauty in everyday living, including crafts, art experiences in dress, home and school laboratory furnishings and arrangements; community interests. *Three hours, second semester.* REQUIRED (GENL., TEX.) SENIORS.

Miss Rawson

FAMILY RELATIONSHIPS

- *40. CHILD CARE AND HOME CARE OF THE SICK. The care of the child from pre-natal life through infancy and childhood and of the family during illness. *Three hours, first semester.* REQUIRED (GENL., ED.) SENIORS. Dr. Russell; Miss Dinegan
- *41. CHILD DEVELOPMENT. A study of the mental, emotional and social development of the child and methods of guiding this development; opportunity for observation and participation with children of pre-

* Elective to Juniors and Seniors in Arts.

school age. *Three hours, first semester.* REQUIRED (GENL., ED.) SENIORS. *Professor Holbrook; Mrs. Morrill*

- *42. FAMILY RELATIONSHIPS. A study of the origin, development, structure, and functioning of the family in relation to present-day home and social problems. *Three hours, first semester.* REQUIRED (GENL., ED.) SENIORS. *Mrs. Morrill*

HOME AND INSTITUTIONAL MANAGEMENT

20. HOUSING AND EQUIPMENT. An analysis of adequate housing. Problems concerning the construction, selection, use, care and repair of equipment. *Three hours, first semester.* REQUIRED (H. E.) SOPHOMORES. *Professor Doughty*
21. HOME PLANNING AND FURNISHING. An analysis of floor plans and the study of the selection and arrangement of furnishings. *Three hours, second semester.* REQUIRED (H. E.) JUNIORS. *Miss Rawson*
- *30. HOME MANAGEMENT. A study of the problems involved in organizing and controlling the expenditure of time, energy, and money used in managing a home. *Three hours, second semester.* REQUIRED (H. E.) JUNIORS. *Professor Doughty*
40. INSTITUTION MANAGEMENT. Problems in the management of different types of institutions. *Three hours, second semester.* REQUIRED (NUTR.) SENIORS. *Professor Underwood*
41. HOME MANAGEMENT HOUSE. Practical application of homemaking problems and group living through seven weeks' residence. Laboratory Fee \$38.50, 1942-43. *Three hours, first or second semester.* REQUIRED (H. E.) SENIORS. *Professor Doughty*

HOME ECONOMICS EDUCATION

40. HOME ECONOMICS TEACHING. Modern educational principles and methods applied to the teaching of homemaking in the junior and senior high schools, including special problems of departmental administration. *Two hours, first semester; one hour, second semester.* REQUIRED (ED.) SENIORS. *Professor LeBaron*
41. STUDENT TEACHING. Observation and student teaching in junior and senior high schools, including discussions and individual conferences on teaching problems. Practice Fee \$10.00 (returnable under certain conditions). *Three hours, second semester.* REQUIRED (ED.) SENIORS. *Professor LeBaron; Miss Brown*
42. SPECIAL PROBLEMS. Individual investigation and report on specific problems. *Two or three hours, second semester.* REQUIRED (ED.) SENIORS. *Professor LeBaron*

* Elective to Juniors and Seniors in Arts.

FOOD AND NUTRITION

20. **FOOD PREPARATION.** A study of the scientific principles and fundamental processes underlying food preparation with practical applications. Laboratory Fee \$5.00 per semester. *Three hours.* REQUIRED (H. E.) SOPHOMORES. *Professor King; Miss Montgomery*
30. **MEAL PLANNING AND SERVICE.** A laboratory course in the preservation, and in the planning, buying, preparing and serving of food. Laboratory Fee \$5.00. *Three hours, first semester.* REQUIRED (H. E.) JUNIORS. *Professor Bailey; Miss Montgomery*
31. **FOOD ECONOMICS.** A study of the recent trends in food processing, of the agencies controlling production and marketing of foods and of consumer buying problems. *Three hours, second semester.* REQUIRED (GENL., NUTR.) JUNIORS. *Miss Montgomery*
- *32. **DIET AND NUTRITION.** A study of the principles of normal nutrition and practical feeding problems of the individual. Laboratory Fee \$5.00. *Five hours, second semester.* REQUIRED (GENL., ED., NUTR.) JUNIORS. *Professor Bailey*
40. **EXPERIMENTAL FOOD PREPARATION.** A study of methods and techniques used in experimental work in foods. Independent laboratory work in the solving of problems in food preparation. Laboratory Fee \$5.00. *Three hours, second semester.* REQUIRED (NUTR.) SENIORS. *Professor King*
41. **QUANTITY FOOD PREPARATION.** Participation in the purchase, preparation, and service of food in large quantities. Laboratory Fee \$5.00. *Three hours, second semester.* REQUIRED (NUTR.) SENIORS. *Professor Underwood*
42. **FOOD DEMONSTRATIONS.** A study of the purposes and techniques of demonstrations in relation to food preparation and nutrition, with applications to teaching, extension and business. Laboratory Fee \$2.50. *One hour, first semester.* REQUIRED (NUTR.) SENIORS. *Professor Doughty*
43. **CHILD NUTRITION.** The indices of good nutrition, the nutritional requirements of different age levels, and methods of development of good food habits. *Three hours, first semester.* REQUIRED (GENL.) SENIORS.
44. **DIET IN DISEASE.** A study of the dietetic treatment of impaired digestive and metabolic conditions. *Three hours, first semester.* REQUIRED (NUTR.) SENIORS.

* Elective to Juniors and Seniors in Arts.

45. READINGS ON NUTRITION. A critical survey of the literature on recent developments in nutrition. *Three hours, second semester.*
ELECTIVE, SENIORS. *Professor Bailey*

HORTICULTURE

Professor Cummings

1. GENERAL HORTICULTURE. An introductory course in orchard fruits and fruit plants, including science and practice, products and by-products, commercial aspects and extension problems. Lectures, recitations, laboratory, orchard practice. Laboratory Fee \$2.50. *Three hours, first semester.* REQUIRED (AG.) FRESHMEN.
2. ADVANCED POMOLOGY. Consideration of problems, research methods, investigational literature and teaching methods concerning important fruits. Lectures, readings, laboratory, field work. Fee \$2.50. *Three hours, first semester.* REQUIRED (P. I.) JUNIORS OR SENIORS. (Offered 1943-44.)
4. FLORICULTURE AND LANDSCAPE GARDENING. Principles and practice of culture of ornamental flowering plants; general, commercial and systematic problems. Outlines of landscape designing and planning for the improvement of home and public grounds. Lectures, text assignments, laboratory. Fee \$2.50. *Three hours, first semester.* REQUIRED (P. I.) JUNIORS OR SENIORS. (Offered 1942-1943.)
5. GREENHOUSE MANAGEMENT. A course in the methods and problems of growing fruits, flowers and vegetables under glass with special reference to commercial problems. Lectures, text readings, laboratory. Fee \$2.50. *Three hours, second semester.* REQUIRED (P. I.) JUNIORS OR SENIORS. (Offered 1942-43.)
106. SPECIAL INVESTIGATION. An advanced research seminar in some branch of horticulture. *Hours to be determined.* ELECTIVE TO SENIORS AND GRADUATE STUDENTS.

VETERINARY SCIENCE

Dr. L. A. Evans

2. DISEASES OF DOMESTIC ANIMALS. A study of the etiology, symptomatology, and treatment of the common ailments and diseases of farm animals. Lectures, recitations and clinics. *Three hours, one semester.* REQUIRED (D. P.) JUNIORS AND SENIORS. (Offered 1942-43.)

The College of Medicine

The College of Medicine of the University of Vermont is one of the oldest institutions of its kind in the United States. For over a century it has served the State and the Nation by sending out its graduates to every part of the Union.

The College of Medicine is a member of the Association of American Medical Colleges and is on the approved list of the Council on Medical Education and Hospitals of the American Medical Association. The excellent record of the graduates of this college and the high standing of the institution is, in large measure, the result of the intensive instruction given in small sections in lecture, laboratory, and clinic.

REQUIREMENTS FOR ADMISSION

Enrollment in the College of Medicine has been restricted in order to maintain the highest scholastic standards. At the present time thirty-six students are selected for the entering class.

A minimum of three years of college work in which certain subjects are required is a prerequisite for admission to the College of Medicine. It is a further prerequisite that this work shall have been done in an institution approved for premedical training by the Council on Medical Education and Hospitals of the American Medical Association. Their requirements are: one year each of English, General Chemistry, Organic Chemistry, Physics and Biology. In addition, the College of Medicine recommends a second course in English, a year in Mathematics, and a course of intermediate grade in a foreign language. These minimum requirements afford the student the opportunity of electing additional courses so that his undergraduate study will be both adequate preparation for professional work and a broad education as well.

The curriculum offered in the College of Arts and Sciences not only covers this work but also coordinates in subject matter with the work in the College of Medicine. The students preparing for the study of medicine are enrolled in the regular curricula. The Admissions Committee expects applicants to have completed a program like that outlined in the previous paragraph. At the same time the Committee may, at its discretion, give favorable consideration to applicants who have not found it possible to follow in close detail the premedical curriculum, provided that they have completed three years of college work and are able to show acceptable credit in the required courses.

In general, preference is shown in matters of admission: First, to residents of the State of Vermont; second, to sons and daughters of graduates of the University. If vacancies remain after these two groups have been considered, the quota will be filled with those non-resident applicants who, in the judgment of the Medical Admissions Committee, are best qualified to prepare for the practice of medicine.

All candidates must be able to show the Admissions Committee not only that they have passed the courses necessary to fulfill the entrance requirements, but also that their scholarship and personal qualifications for the study of medicine are of such character as to give high promise for success in the course of their medical studies.

Eligibility of an applicant for enrollment in the Freshman class as finally determined by the Admissions Committee of the College of Medicine is based upon:

1. The amount of premedical and other subject matter, and the quality of the record.
2. The score reported in the Aptitude Test, adopted by the Association of American Medical Colleges.
3. The personality and general fitness of the applicant for the study of medicine as determined by a personal interview with the above-named committee and by the recommendations of his premedical instructors and other persons.

Application blanks for entrance to the first year class may be secured from the Dean upon request. Individuals selected by the Admissions Committee on information so furnished will be given personal interviews. Notification of selection for personal interviews will be carried out by the Dean's office.

OUTLINE OF THE FOUR-YEAR CURRICULUM

The student studies first the general structure of the body, its embryological development, the functions of the various organs, the chemical processes taking place in the body and the minute structure of the tissues and organs in health.

Then follows consideration of the changes in gross and microscopic anatomy, the variations in the chemical processes and in the functions of organs and tissues under the influence of disease and how such changes give rise to different symptoms and physical signs. The methods of interpreting such findings in arriving at a diagnosis are also considered.

The student then studies the methods of investigating diseases, their causes and prevention, as well as the remedies used in their treatment. The

various surgical conditions are considered along with the indications for treatment or operation. Reproduction and development are studied together with the management of normal and abnormal labor.

Instruction is given by lectures, demonstrations, recitations, library work, practical courses, laboratory work, clinics and clinical teaching at the bedside, and in the Dispensary. For clinical work the class is divided into small sections. Each student therefore receives the personal attention of the instructor and is given every opportunity for the full use of assigned material.

The work of the First Year includes the study of Anatomy, Physiology, Physiological Chemistry, Histology, Embryology and Neuro-anatomy.

In the Second Year courses are given in Pharmacology, Pathology, Bacteriology and Public Health. Anatomy and Physiology are completed in this year. Medicine, Surgery, Obstetrics, Pediatrics and Psychiatry, find their introduction in the second year's curriculum. Regular conferences in which the interrelation of the several medical sciences is studied and clinical problems are discussed are begun in this year and continued throughout the rest of the course.

The work of the Third Year includes further study in Medicine, Surgery, Obstetrics, Pediatrics, Therapeutics, Pathology, and the various subjects of Medicine and Surgery. The study of Radiology and Physical Therapy is introduced, and practical courses in minor surgery and manikin exercises in obstetrics are offered. Ward work in Physical Diagnosis is also begun.

The Fourth Year is devoted to the study of clinical diagnosis and the treatment of disease, the work being entirely clinical and without didactic teaching.

The class is divided into sections of not more than four students each. These sections are assigned to various services in rotation. These services include Medicine, Surgery, Obstetrics and Pediatrics, together with the Medical and Surgical specialties.

During the year the students are required to attend autopsies under the instruction of the Professor of Pathology, and to make such study of the tissues removed as may be of value in understanding the pathological history of the case.

As a supplement to the clinical work in Burlington, a month is spent in Urology, Dermatology and Neurology at the Worcester City Hospital and another month in contagious diseases at the Belmont Hospital in Worcester, Massachusetts. Studies in residence at the State Hospital for mental disease at Waterbury, the State Sanatorium at Pittsford, and the State School at Brandon are included in the fourth year.

CLINICAL FACILITIES

The normal capacity of the general hospitals in Burlington used by the Medical College is 635 beds. Fully four hundred of these beds are used without restriction by the College for clinical teaching. Services in urology, dermatology, neurology, and pediatrics at the Worcester City Hospital and in contagious diseases at the Belmont Hospital in Worcester bring increases in numbers of patients seen.

To these clinical facilities are added those of the outpatient and Dispensary Services which total well over 20,000 cases a year, and those of the State Hospital for mental disease, 1,035 beds, at Waterbury, Vermont; the Vermont Sanatorium for tuberculosis and the Caverly Preventorium at Pittsford, 85 and 48 beds respectively; the hospital facilities of the Brandon State School for the feeble-minded, and the teaching facilities available through the study of children at the Vermont State Home for Destitute Children and St. Joseph's Orphanage, both in Burlington. The number of children cared for in these latter two institutions totals well over three hundred. Admissions to the medical, surgical, obstetrical, and speciality services used for teaching purposes approximate 12,000 annually exclusive of the special facilities just described. With this amount of clinical material and with a limited enrollment of thirty-six students in each of the two classes doing clinical work, an entirely favorable patient-student ratio obtains.

BULLETIN OF THE COLLEGE OF MEDICINE

A separate bulletin of the College of Medicine, giving fuller detail on the matters outlined above, and the courses of instruction, is available on request from the Dean of the College of Medicine.

MEDICO-MILITARY SCIENCE

See under Department of Military Science and Tactics

The Departments of Physical Education

PHYSICAL EDUCATION FOR MEN

*Professors *Prentice, Post, Gardner, and Evans; Drs. T. H. Harwood and R. B. Davis; Mr. Fogg*

This department aims to train the men students of the University to be healthy, physically and morally fit members of society. It is a required course for all academic Freshmen and Sophomores. Every new student is given a thorough Physical Examination. Men who have physical or health defects are given restricted work, with stress on corrective exercises. Follow-up examinations are given as need is indicated.

A chapter of Sigma Delta Psi, Honorary National Athletic Society, is maintained. Any student is eligible for membership provided he can meet the performance standards in both athletics and scholarship.

COURSES OF INSTRUCTION

1. **PHYSICAL EDUCATION (BASIC).** Training in posture, marching, calisthenics, and body-building exercises, the fundamentals and skills of various sports and physical activities, planned to develop and improve skill, co-ordination, and endurance, to establish regular habits of exercise, and to inculcate intelligent attitudes toward and interest in athletic activities.

Supplemental to this course are the required Personal Hygiene lectures, giving the student an understanding and appreciation of the factors necessary for health and healthful living. *Two hours.*
REQUIRED ACADEMIC FRESHMAN MEN.

Professors Post and Evans; Mr. Fogg

2. **PHYSICAL EDUCATION (INTERMEDIATE).** This course is based on a seasonal sports program.

Fall—Football, touch football, cross-country, obstacle course running, and calisthenics.

Winter—Basketball, indoor track, boxing, wrestling, apparatus and tumbling, handball, swimming, skiing, and calisthenics.

Spring—Baseball, track, softball, tennis, handball, obstacle course running, and calisthenics.

Two hours. **REQUIRED ACADEMIC SOPHOMORE MEN.**

Professors Post, Gardner, Evans; Mr. Fogg

* Absent on leave: Military Service.

3. ADVANCED COURSE IN ADMINISTRATION AND FOOTBALL COACHING (not offered in 1942-43).
4. ADVANCED COURSE IN HUMAN MECHANICS AND COACHING OF BASKETBALL, BASEBALL, AND TRACK (not offered in 1942-43).

INTRAMURAL ATHLETICS

This program, administered by the Department of Physical Education for Men and directed by Professor Post, enjoys a heavy voluntary participation by the students. Competitions are between classes, fraternities, and individuals. An Intramural Council aids the director in determining program content and policy. Contest winners receive suitable awards. The contests include:

Fall—Touch football, tennis.

Winter—Basketball, skiing, wrestling, handball, badminton, basketball free throw, indoor relays, track, hockey and bowling.

Spring—Softball, horseshoe pitching, hexathlon.

Interfraternity athletic competition carries points for the Traynor Trophy, all-year all-round fraternity championship award, for both winner and runner-up.

PHYSICAL EDUCATION FOR WOMEN

Professor Eleanor S. Cummings; Miss Crowe, Miss Hoffman; Dr. Viola Russell and Dr. T. H. Harwood

At the opening of college a health examination is required of all entering students. On the basis of this examination, the student receives advice concerning the correction of health defects, and direction as to her physical education program. For all students taking the required course, the examination is supplemented by periodic health conferences. Sophomores and Upperclassmen have an examination of heart, lungs, and general physical condition, before entering any strenuous activities.

The courses and training of the Department are given in the Southwick Building where showers and two large recreation rooms are available, one for sports instruction, the other a dance studio. The athletic fields for women are located nearby.

Fall—All sports out of doors. Archery, Field Hockey, Tennis, Horseback Riding, and Golf. The last two carry a small fee.

Winter—Fundamental Gymnastics, Corrective Work, Dancing (Folk, Country, and Square Dancing, Modern Dance Technique), Games, Basketball, Volleyball, Deck Tennis, Shuffleboard, Badminton, Archery, Golf,

Swimming, Life Saving, Bowling, Recreational Leadership, Skating, and Skiing. Instruction in the essentials of First Aid and Home Nursing is given.

Spring—Camp Craft, Softball, Archery, Tennis, Horseback Riding and Golf. The last two carry a small fee.

Elective courses for Juniors and Seniors are offered in Modern Dance Technique, Dance Composition, and Methods of Teaching Tennis, Field Hockey, Basketball, Badminton and Softball.

Interdormitory tournaments in many sports, and clubs in *all* sports, are open to all women students. These are conducted under the direction of the Department instructors and the Women's Athletic Association.

TWO YEARS OF PHYSICAL EDUCATION FOR TWO PERIODS WEEKLY ARE REQUIRED OF ALL COLLEGE WOMEN. THIS REQUIREMENT SHOULD BE COMPLETED DURING THE FRESHMAN AND SOPHOMORE YEARS. SUPPLEMENTARY FOR FRESHMEN IS A COURSE IN HYGIENE, ONE HOUR PER WEEK. TRANSFERS WHO HAVE NOT ALREADY PASSED A COURSE IN HYGIENE ARE REQUIRED TO TAKE THIS COURSE.

ENROLLMENT IN THE ADVANCED COURSES, WHICH ARE ELECTIVE, IS SUBJECT TO THE APPROVAL OF THE HEAD OF THE DEPARTMENT.

The Department of Military Science and Tactics

Major FRANCIS P. SIMPSON, INFANTRY, U. S. ARMY
Professor of Military Science and Tactics

Lieutenant Colonel C. EUGENE FOGG, MED. CORPS, N.G., A.U.S.
Professor of Medico-Military Science

First Lieutenant DONALD W. THAYER, INFANTRY, A.U.S.

Second Lieutenant EDWARD S. IRWIN, INFANTRY, A.U.S.
Assistant Professors of Military Science and Tactics

First Sergeant CHARLES F. PARKER, U. S. ARMY, DEML, BI

Staff Sergeant ANDREW J. LANDA, U. S. ARMY, DEML, BI

Staff Sergeant JAMES A. PICKETT, U. S. ARMY, DEML, INFANTRY
Instructors in Military Science and Tactics

Staff Sergeant RUDOLPH P. PAPPAS, U. S. ARMY, MED. DEPT.
Instructor in Medico-Military Science

THE SENIOR INFANTRY ROTC UNIT

GENERAL INFORMATION. All male students of the Freshman and Sophomore classes, and transfer students, in the College of Arts and Sciences, the College of Agriculture, and the College of Engineering, unless excused for adequate physical reason, previous credits at other schools being taken into account, are required to take Military Science 1 and 2 as a prerequisite to graduation from the University. They receive eight semester hours credit for these two basic courses and these credits become an integral part of the record of the student and are counted toward graduation. Military Science 3 and 4 are elective to properly qualified Juniors and Seniors.

The Military Training courses and practical work aim to acquaint students with the fundamentals of military science and tactics and to give them training in posture, bearing, courtesy, punctuality, initiative, and leadership over men. They are offered by the University with the cooperation of the Federal Government which provides arms and ammunition and officers and non-commissioned officers of the Regular Army of the United States who serve as the teaching staff of this department.

Absences from training or instruction can be excused only for physical disability or other exceptional causes. Any student who is so excused from practical or theoretical instruction will be required to make up the omitted training. Unexcused absences, and excused absences which are not made up, operate to reduce the grade given in the course.

The University Corps of Cadets is organized into an infantry battalion of four rifle companies and a band, comprising a Senior Division Infantry Unit of the R. O. T. C. The officers are appointed from among the members of the Senior class, sergeants normally from among members of the Junior class, and corporals from members of the Sophomore class. Military customs and courtesies are required to be observed. Students while under military instruction are subject to military discipline.

Members of the Freshman class are provided with the distinctive University of Vermont uniform, at an approximate cost of \$6, a part of which will be refunded to the student at the end of each year. The uniforms are the property of the University of Vermont, and are loaned to the student while he is taking military science.

Military Science 1 and 2 covering the Freshman and Sophomore years, comprise the "Basic Course" and Military Science 3 and 4 offered during the Junior and Senior years comprise the "Advanced Course." The Advanced Course is elective for members of the Junior Class who have successfully completed the Basic Course and *who are selected for further training by the Professor of Military Science and Tactics and the President of the University.* To enroll in this course the student must enlist in the Enlisted Reserve Corps, Inactive, and agree in writing to complete the

entire course of two years, and to attend the Infantry School or a similar Branch school for a summer course of three months before being given his second lieutenant's commission. Transportation to and from this school, subsistence in kind, uniforms, equipment, medical attendance, and pay at the rate of about \$50 per month are furnished members of the R.O.T.C. attending this course. Juniors and Seniors in the advanced course receive \$81.25 a year as commutation of subsistence.

MILITARY SCIENCE COURSES

1. FRESHMAN BASIC. Leadership, Military Courtesy, Discipline and Customs of the Service, Military History and Policy, Principles of Organization, Sanitation, and First Aid, Rifle Marksmanship, and Map Reading. *Three hours.* REQUIRED OF ALL MALE FRESHMEN.
2. SOPHOMORE BASIC. Characteristics of Infantry Weapons, Scouting and Patrolling, Musketry, Combat Principles of Small Units, Leadership. *Three hours.* REQUIRED OF ALL MALE SOPHOMORES.
3. JUNIOR ADVANCED. Machine Guns, Howitzer Weapons, Pistol and Rifle Marksmanship, Aerial Photograph Interpretation, Combat Principles, Leadership, Care and Operation of Motor Vehicles, Administration, Defense against Chemical Warfare. *Five hours.* ELECTIVE TO QUALIFIED JUNIORS. PREREQUISITE MILITARY SCIENCE 2.
4. SENIOR ADVANCED. Military Law, American Military History, Tanks and Mechanization, Defense against Aircraft, Chemical Warfare, Signal Communications, Combat Intelligence, Combat Orders, Combat Principles, Methods of Instruction, Organized Reserve Regulations, and Leadership. *Five hours.* ELECTIVE TO SENIORS. PREREQUISITE MILITARY SCIENCE 3.

MEDICAL UNIT—ROTC

Lieutenant Colonel Fogg

A course in Medico-Military Science is available to all medical students who enroll in the Medical Unit of the Reserve Officers Training Corps. This unit has been established by the War Department on application of the University authorities and is open to male medical students who have no disqualifying physical defects. The object of the course is to prepare students for commission in the Medical Corps.

Instruction in this subject is divided into two courses: Basic and Advanced. Each course consists of two school years with approximately thirty-two hours of class work per year. Enrollment in either course is for the full two years.

The basic course is designed for Freshmen and Sophomores and consists of instruction in Military Fundamentals, the organization of the Army and Medical Department, the tactical employment of Medical Department units, and such accessory subjects as will prepare the student for a better appreciation of the Advanced course which is largely preventive medicine.

Students who have satisfactorily completed the basic course are eligible for the Advanced Course. Formerly this course included a six-week period of summer training which is now suspended for the duration of the war and six months thereafter. A certain financial benefit, however, accrues to members pursuing the Advanced Course: they receive commutation of subsistence during their Junior and Senior years. This commutation is paid quarterly (every 3 months) and amounts to approximately \$22.50 per quarter which would yield a total of over \$136 for the entire Advanced Course.

During the present war, it is expected that all physically qualified male medical students will be called to active duty upon receiving the degree of M.D. and upon completion of one year of internship. The course in Military Medicine provides the ground-work for the military aspect of their preparation for commission as medical officers, Army of the United States.

Register, 1942-43

RESIDENT GRADUATE STUDENTS

- Bernecia Ella Avery, PH.B. (VERMONT), *History*, Cambridge, Mass.
Ellen Frances Birchall, A.B. (REGIS COLLEGE), *Biochemistry*, Nashua, N. H.
Lawrence Whitney Burgess, B.S., (VERMONT), *Physics*, Chelsea.
Paul Frederic Fenton, M.S. (VERMONT), *Biochemistry*, Rochester, N. Y.
†Richard Davis Halligan, B.S. (LEHIGH), *Agronomy*, West Orange, N. J.
Jack Wiley Hinman, B.A. (GRINNELL), *Chemistry*, Gowrie, Ia.
Thomas John Hutchinson (MC GILL), *Economics*, Milton
Charles Itzkowitz, B.S. (VERMONT), *Zoology*, New London, Conn.
Helen Graham Kurtz, B.A. (IOWA STATE), *Zoology*, Burlington.
Mrs. Ruth Electa Schaefer Ladd, PH.B. (VERMONT), *English*, Burlington.
†Charles Conrad Larson, B.S. (MINNESOTA), *Forestry*, Pettibone, N. D.
†Arnold Henry Lohmann, B.S. (MINNESOTA), *Dairy Production*, Zumbrota, Minn.
Mrs. Marion Jones Parrott, B.S. (VERMONT), *Education*, Burlington.
*Earl Ralph Purchase, A.B. (HOPE), *Chemistry*, Burlington.
Ransom Orcutt Slack, B.S. (VERMONT), *Dairy Husbandry*, Burlington
Frank Alphonse Slesinski, M.S. (MASSACHUSETTS STATE COLLEGE), *Biochemistry*,
Northampton, Mass.
†Kenneth Everson Varney, B.S. (MAINE), *Plant Pathology*, Hampden, Me.

GRADUATE STUDENTS IN THE SUMMER SESSION

- Stella Marion Adams, B.S. (NEW HAMPSHIRE), *Psychology*, Hebron, N. H.
Sister Mary Jerome Barry, A.B., (VILLANOVA), *English*, Rutland, Vt.
Margaret Elouise Bodette, B.S. (VERMONT), *Education*, Vergennes, Vt.
Helen Ruth Bolger, B.S. (NEW YORK UNIVERSITY), *English*, Montclair, N. J.
Charles Phillips Boright, B.S. (VERMONT), *Education*, Cabot, Vt.
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John Ralph Burnett, B.S. (VERMONT), *Education*, Wilmington, Vt.
Anna Viola Burns, B.E. (CASTLETON), *Education*, Fair Haven, Vt.
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Truman Lloyd Butterfield, A.B. (MIAMI UNIVERSITY), *Education*, Middlebury, Vt.
May Anne Campbell, PH.B. (VERMONT), *Education*, Lyndon Center, Vt.
Norma Beatrice Carder, B.S. (VERMONT), *Education*, Newport, Vt.
Elizabeth Alice Clark, A.B. (MOUNT HOLYOKE), *Philosophy*, Fitchburg, Mass.
Ernest Melvin Coddling, B.S. (VERMONT), *Education*, Windsor, Vt.
Regina MacNoboe Codey, A.B. (BARNARD COLLEGE), *English*, Dorset, Vt.
Dorothy Matilda Collins, B.S. (VERMONT), *Education*, Hyde Park, Vt.
Sister Mary Regis Conlon, A.B. (COLLEGE OF ST. ROSE), *Education*, Rutland, Vt.

* Research Fellow.

† Experiment Station Fellow.

- Irene Emily Cook, A.B. (MOUNT HOLYOKE), *Education*, North Andover, Mass.
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Philip Emerson Manning, B.S. (VERMONT), *Education*, Danville, Vt.
Ruth Lucile Marckres, PH.B. (VERMONT), *Education*, Craftsbury, Vt.
Sister Mary Eucharia Menster, A.B. (COLLEGE OF ST. ROSE), *Education*, Rutland, Vt.
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Eleanor Grace Milligan, A.B. (MIDDLEBURY), *English*, South Orange, N. J.
Milton George Moore, B.S. (CONNECTICUT STATE), *Education*, Stowe, Vt.
Vesta Spicer Moore, B.S. (SYRACUSE), *Education*, Middlebury, Vt.
Gertrude Ford Munson, A.B. (WILLIAM SMITH), *Education*, Fort Edward, N. Y.
Charles Philip Nason, A.B. (UNIVERSITY OF MAINE), *Education*, Bakersfield, Vt.
Kathryn Virginia Newcomb, B.S. (VERMONT), *Education*, Waitsfield, Vt.

- Grace Marilyn Palmer, B.S. (WORCESTER STATE TEACHERS COLLEGE), *English*, Worcester, Mass.
- Margaret Gertrude Palmer, B.S. (WORCESTER STATE TEACHERS COLLEGE), *Education*, Worcester, Mass.
- Edna Herridon Park, B.S. (VERMONT), *Education*, Burlington, Vt.
- Marion Jones Parrott, B.S. (VERMONT), *Education*, Burlington, Vt.
- Owen Meredith Parry, B.S. (VERMONT), *Education*, Poultney, Vt.
- Louis Pichierri, B.E. (VERMONT), *Education*, Burlington, Vt.
- Harold Carpenter Potter, B.S. (MASSACHUSETTS STATE), *Education*, Chester, Vt.
- Ernest Benjamin Rand, B.S. (VERMONT), *Education*, Alburg, Vt.
- Jean Dorothy Robb, B.S. (SIMMONS), *Education*, Wakefield, Mass.
- Iva Ellen Robertson, B.S. (VERMONT), *Education*, Waitsfield, Vt.
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- Barbara Eunice Seavey, B.S. (UNIVERSITY OF MAINE), *History*, Bangor, Me.
- Thomas Headley Skirm, A.B. (WESLEYAN), *Education*, Essex, Conn.
- Rupert John Spencer, B.S. (NORWICH), *Education*, Hyde Park, Vt.
- Ruth Ada Spooner, B.E. (VERMONT), *Education*, Burlington, Vt.
- Winifred Anna May Stone, Ph.B. (VERMONT), *Education*, Winooski, Vt.
- Minerva Laura Stoughton, B.S. (TEMPLE), *Education*, Plattsburg, N. Y.
- Sister St. Hilary Stringer, A.B. (COLLEGE OF ST. ROSE), *Education*, Rutland, Vt.
- Marion Louise Towle, B.E. (VERMONT), *Education*, St. Johnsbury, Vt.
- George Maynard Trafton, B.S. (UNIVERSITY OF MAINE), *Education*, St. Johnsbury, Vt.
- Sister Agnes Marie Tully, A.B. (COLLEGE OF ST. ROSE), *Education*, Rutland, Vt.
- Olive Gertrude Vernon, B.S. (SALEM STATE TEACHERS COLLEGE), *Education*, Peabody, Mass.
- Leon Edward Wagner, B.S. (BOSTON UNIVERSITY), *Education*, Hardwick, Vt.
- Louise Moore Walls, B.S. (FITCHBURG TEACHERS COLLEGE), *Education*, Pepperell, Mass.
- Basil Barry Walsh, B.S. (MIDDLEBURY), *Education*, Proctor, Vt.
- Frederick Henry Webster, B.S. (VERMONT), *Education*, Hinesburg, Vt.
- Merlin Jerome Wells, B.S. (VERMONT), *Education*, Jeffersonville, Vt.
- Catherine Amy Wilcox, A.B. (VERMONT), *English*, Barton, Vt.
- Alice Mary Wimet, Ph.B. (VERMONT), *History*, Pittsford, Vt.
- Rachel Clare Wursthorne, A.B. (TRINITY), *English*, Troy, Vt.

STUDENTS

- Leigh Gates Abbott, '46; *Med.*; Weston, Mass.
- Robert Bowie Abbott, '46; *LA*; Fort Ethan Allen
- Marjorie Esther Abell, '43; *HE*; Burlington
- Bernard Abrams, '45; *Bus*; Burlington
- Evelyn Dorothy Adams, '44; *El Ed*; Stowe
- Lawrence Martin Agan, '45; *Med*; Bennington
- Robert William Agan; 45; *Med*; Bennington
- Neill Carlton Aiken, '45; *ME*; Georgetown, Mass.
- Ruth Sargent Ainsworth (Mrs.), *Uncl Spec*; Burlington
- Roy Edward Alberghini, '43; *S Ed*; Orleans
- Brooke Albert, '44; *ME*; Burlington
- Marjorie Ina Alexander, '46; *LA*; Irasburg
- Monroe Barnes Allen, '44; *ME*; Burlington
- Virginia Mae Allen, '45; *HE*; Essex Junction
- Alfred Franklin Amee, '43; *El Ed*; Randolph
- Richard Walker Amidon, '44; *Med*; Burlington
- Barbara Smith Anderson, '46; *LA*; Upper Montclair, N. J.
- Betty Cornelia Anderson, '45; *El Ed*; New York, N. Y.
- Charles Gustave Anderson, '46; *LA*; Douglaston, N. Y.
- Elaine Scott Anderson, '44; *LA*; Craftsbury

- Eleanor Elaine Anderson, '46; *HE*; Essex Junction
 Helena Anderson, '43; *HE*; West Glover
 Janet Blaine Anderson, '44; *HE*; East Craftsbury
 Mildred Charlotte Anderson, '43; *HE*; West Rutland
 Edward Clinton Andrews, III, '46; *LA*; Plainfield
 Everett Bertrand Andrews, '45; *Ag*; Richmond
 Margery Stuart Anthony, '45; *LA*; Englewood, N. J.
 Harold Rodney Archambault, '45; *LA*; Fort Anne, N. Y.
 Robert Chadwick Arms, '46; *Ag*; Burlington
 Carolyn Esther Aronson, '46; *LA*; Proctor
 James Merrill Aseltine, '44; *ME*; Williston
 Mary Elizabeth Ashe, '45; *LA*; Nashua, N. H.
 Vincent John Astone, '45; *LA*; Beacon, N. Y.
 Henry Vernon Atherton, '45; *Ag*; Barton
 Paul John Audette, '43; *Med*; Burlington
 Richard Raymond Audette, '46; *ME*; Fairfax
 Francis David Auger, '46; *Bus*; Windsor
 Gertrude Barbara Austin, '45; *LA*; Brattleboro
 Bernecia E. Avery, *PG*; Cambridge, Mass.
 Clifford Eliott Backup, '46; *Med*; Burlington
 Cynthia Glenna Bailey, '43; *HE*; Essex Junction
 Elaine Delia Bailey, '45; *S Ed*; Waterbury
 Joyce Edna Bailey, '45; *EEd*; McIndoe Falls
 Lincoln Cooper Bailey, '46; *Bus*; Brockton, Mass.
 Ruth Marie Baker, '46; *LA*; Irvington, N. J.
 Rhoda Marsh Baldwin, '44; *Cb*; Hinesburg
 Esther Mae Ballard, '45; *LA*; Milton
 Aglaia Christy Ballas, '46; *LA*; Brattleboro
 Charles Edgar Banghart, '45; *ME*; Douglaston, L. I., N. Y.
 Ernest Stanley Barash, '45; *LA*; Brooklyn, N. Y.
 Albert Dennis Barnard, '46; *ME*; Brandon
 Diana Kay Barnes, '46; *LA*; Yonkers, N. Y.
 Bernard Benjamin Barney, '44; *Med*; Bennington
 Harriet Natalie Barron, '46; *LA*; Roxbury, Mass.
 Bartholomew David Barry, Jr., '44; *CE*; Methuen, Mass.
 Lloyd Gibson Bartholomew, '45; *Med*; Whitehall, N. Y.
 Margaret Isabelle Batchelder, '45; *EEd*; Montpelier
 Seymour James Baum, '43; *PM*; Bridgeport, Conn.
 John Willard Baxendale, '44; *Ag*; Burlington
 Alexander Eli Bayer, '45; *LA*; New Britain, Conn.
 Luther Parker Bayley, '46; *CE*; Burlington
 Natalie Brooks Beal, '44; *LA*; Burlington
 Allene Elizabeth Beattie, '46; *Sec*; St. Johnsbury
 Martha Lillian Beatty, '43; *CT*; Burlington
 Lawrence Arthur Beauchamp, '45; *Med*; Rutland
 Maurice Flavian Beauchamp, '43; *Med*; Rutland
 Robert Paul Beaudette, '45; *Med*; Montpelier
 Norman Hubert Beaulieu, '45; *EEd*; Barre
 Gerhard Theodor Beck, '46; *Med*; Rutland
 Arnold Herman Becker, '44; *Med*; Burlington
 Wilson Hollister Beebe, '44; *Ag*; East Dorset
 Janice Mildred Beers, '46; *EEd*; Burlington
 John Ernest Belock, '45; *Med*; Rutland
 Virginia Rae Benedict, '46; *HE*; Burlington
 Blanche Evelyn Benner, '44; *EEd*; Burlington
 Priscilla Ann Bennett, '44; *EEd*; Bennington
 Robert William Bennett, '44; *ME*; Orleans
 Marguerite Constance Benoit, '43; *SS*; Leominster, Mass.
 Wilfred Joseph Benoit, '43; *Bus*; New London, Conn.
 Kathleen Benson, '43; *EEd*; Springfield, Mass.
 Kenneth Alan Benson, Jr., '46; *CE*; Burlington
 Patricia Webb Bergman, '46; *LA*; Port Arthur, Texas
 Eleanor Ruth Berig, '43; *SS*; Brockton, Mass.

- Estelle Muriel Berkson, '44; *HE*; Newton Center, Mass.
- Harold Paul Bernstein, '45; *Bus*; Brooklyn, N. Y.
- Russell Bernstein, '46; *LA*; Holyoke, Mass.
- Janice Somers Berry, '44; *ELED*; Brattleboro
- Lena Mary Bessette, '46; *ELED*; Hardwick
- Florence Miriam Bevins, '43; *HE*; Burlington
- Louise Eugenie Bianchi, '44; *SED*; Woodstock
- Charles Robert Bianco, '46; *LA*; Montclair, N. J.
- Robert Lee Bickford, Jr., '43; *Ag*; Newport
- Christo Fred Bicoules, '44; *LA*; Fitchburg, Mass.
- Ronald Rossi Bielli, '43; *EE*; Barre
- David Marvin Bikoff, '46; *LA*; New York, N. Y.
- Virginia Lois Bingham, '45; *LA*; St. Albans
- Nancy Hills Binns, '44; *ELED*; Leominster, Mass.
- Ellen Frances Birchall, *PG*; Nashua, N. H.
- Leonard Joseph Bisaccia, '43; *Med*; New Hartford, Conn.
- Peter Doelger Bissell, '45; *Cb*; Suffield, Conn.
- William Charles Bister, '44; *LA*; Jericho
- Boyd Keough Black, '43; *Med*; Washington, Penna.
- Warner John Black, '43; *SS*; Burlington
- Albert Deedrick Blenderman, '44; *Med*; Sioux City, Iowa.
- Dorris Evelyn Bliss, '45; *LA*; Plymouth, Mass.
- Melvin Carl Blodgett, '45; *EE*; St. Johnsbury
- Robert Asa Bloomer, '43; *SS*; West Rutland
- Lilla Claire Blumberg, '45; *Sec*; New Rochelle, N. Y.
- Jean Helen Blume, '43; *GS*; Ansonia, Conn.
- Frederick Milton Boardman, '44; *CE*; St. Albans
- Mary Alberta Boardman, '46; *Sec*; St. Albans
- Mary Catherine Bodette, '44; *Med*; Vergennes
- George Arthur Bonner, '46; *Med*; Proctor
- Nicholas Gerald Bottiglieri, '46; *Med*; Burlington
- Marie Antoinette Boutin, '45; *SED*; Bennington
- Edward Abraham Boyarsky, '46; *LA*; Burlington
- Saul Boyarsky, '44; *LA*; Burlington
- Edward Stuart Boyden, '44; *ME*; Burlington
- Jean Boyer-Hamilton, '45; *ELED*; Barre
- Constance Anne Bray, '44; *ELED*; Springfield, Mass.
- Richard Paul Breen, '46; *LA*; East Hartford, Conn.
- Rosemary Cady Brewster, '44; *Med*; Underhill
- Martha Ella Briggs, '43; *LS*; Brattleboro
- Harriet Jean Bristol, '46; *HE*; Burlington
- Ethel Lucille Brooks, '43; *ELED*; Middlebury
- George Wilson Brooks, '45; *Med*; Warren
- Donald Nelson Brothers, '46; *ME*; Moretown
- Alice Estelle Brown, '43; *ELED*; Marshfield
- Carolyn De Nike Brown, '44; *LA*; Enosburg Falls
- Clarence Halsall Brown, '43; *Med*; Rutland
- Leola Isabelle Brown, '46; *ELED*; Burlington
- Lois Sylvia Brown, '45; *HE*; Richmond
- Scott William Brown, '45; *LA*; Richmond
- Stewart Clayton Brown, '46; *Bus*; Brockton, Mass.
- Walter Gould Brown, '46; *ME*; West Wardsboro
- Henry Nelson Browne, Jr., '43; *GS*; Burlington
- Constance Wheeler Brownell, '46; *LA*; Burlington
- Eleanor Palmer Brownell, '46; *MusEd*; Burlington
- Howard Stanton Bryden, '45; *Bus*; Vineyard Haven, Mass.
- Shirley Ann Buckingham, '44; *LA*; White Plains, N. Y.
- Yvonne Ann Buley, '45; *ELED*; Richmond
- Velma Jeanne Bull, '45; *HE*; Westfield, N. J.
- Dorothy Jane Bullard, '44; *HE*; W. Springfield, Mass.
- Elsie Elizabeth Bulmer, '45; *LA*; Glen Cove, N. Y.
- Lawrence Whitney Burgess, *PG*; Chelsea
- Clarence Frederic Burke, '46; *EE*; Burlington
- Ruth Sherwood Burnell, '43; *SS*; St. Albans

- Barbara Amy Burnham, '45; *Sec*; South Windsor, Conn.
- Barbara Elaine Burns, '43; *Sec*; Rutland
- Carol Persis Burns, '44; *Eled*; Randolph
- Neil Irvin Burrington, '46; *CE*; St. Johnsbury
- Dwight Calvin Burritt, '46; *ME*; Bridgeport, Conn.
- Ernest Arthur Bushway, '46; *Eled*; Belows Falls
- Mary Phyllis Butler, '43; *Cl*; Taunton, Mass.
- Hazel Edna Butterfield, '43; *HE*; Middlebury
- Ruth Emmagene Butterfield, '44; *SED*; Springfield
- Beatrice Viola Buttles, '43; *SS*; Brandon
- John Lake Buttles, '43; *ME*; Burlington
- Ruth Helen Buttles, '44; *Sec*; Burlington
- Wallace Frederick Buttrick, '46; *LA*; Montpelier
- Joyce Elizabeth Byington, '45; *Eled*; Charlotte
- Marian Margaret Byrnes, '43; *Sec*; Burlington
- José Nemesio Cabanzo, '44; *Med*; Barre
- Francis Arnold Caccavo, '44; *Med*; Barre
- Alison Mae Cady, '46; *Eled*; Rutland
- Robert Nolan Cain, '46; *Med*; Burlington
- Keith Warren Calkins, '44; *MusEd*; Barton
- Arthur Wilfred Camire, '45; *LA*; Barre
- Genevieve Eva Campbell, '46; *HE*; Stratford
- Geraldine Frances Campbell, '44; *HE*; Stratford
- Virginia Campbell, '46; *LA*; Lyndonville
- William Gerald Campbell, '44; *Med*; East Haven, Conn.
- Martin John Cannon, '46; *Med*; Rutland
- Anna Ruth Capen, '45; *LA*; Brandon
- Dorothy Ethel Cargill, '43; *Eled*; Island Pond
- Howard Julian Carpenter, '44; *ME*; South Royalton
- Russell Flanders Carpenter, '44; *Ag*; Burlington
- Torrey Case Carpenter, '45; *Bus*; Burlington
- Alison Mary Carr, '44; *LA*; Ossining, N. Y.
- Beverly May Carr, '43; *HE*; Burlington
- Walter Louis Carr, '46; *ME*; South Barre
- Dorothy Effie Carter, '44; *MusEd*; Groton
- Ita Margaret Casey, '44; *Eled*; Burlington
- Margaret Loretta Cassidy, '43; *Eled*; Burlington
- Charlotte Geraldine Chaffee, '46; *HE*; Enosburg Falls
- Kathleen O'Neill Chamberlin, '45; *LA*; Burlington
- Shirley Elaine Chapin, '45; *Eled*; Colchester
- William Tyler Chapin, '43; *EE*; Essex Junction
- Norma Irene Charest, '44; *HE*; Wollaston, Mass.
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- Margaret Ann Charles, '43; *SS*; Locust Valley, N. Y.
- Beryl Irene Cheney, '45; *Eled*; Rutland
- Ruth Hubbell Cheney, '45; *HE*; New Haven
- Philip James Chesarone, '43; *CE*; Waban, Mass.
- Marietta Jane Churchill, '46; *Eled*; Windsor
- Celia Marion Cioffi, '43; *Eled*; St. Albans
- Thomas Paul Clairmont, '44; *Eled*; Burlington
- Barbara Mary Clark, '44; *Eled*; St. Albans
- Donald Lyndon Clark, '44; *EE*; Waitsfield
- Elizabeth Graeme Clark, '46; *HE*; Burlington
- Orlando Richard Clark, '43; *CE*; Barre
- Pauline Elizabeth Clarke, '45; *LA*; Fairfield, Conn.
- Lawrence John Cleveland, '44; *Med*; Northfield
- Arthur Eddy Clifford, '46; *Ag*; Bristol
- Helen Elizabeth Clifford, '44; *Eled*; South Royalton
- Virginia Lee Close, '43; *LS*; White River Junction
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- Winston Earle Cochran, '46; *LA*; Morrisville
- Lewis Bates Coddington, III, '46; *LA*; West Hartford, Conn.
- Theresa Cecile Coderre, '43; *MusEd*; Swanton
- Claire Rhoda Coe, '46; *LA*; New Haven, Conn.
- Armand Bennett Cognetta, '44; *LA*; Stamford, Conn.

- Alice Lillian Cohen, '46; *LA*; Pittsfield, Mass.
- Harriet Cohen, '46; *LA*; Worcester, Mass.
- Julius George Cohen, '46; *Med*; Burlington
- Edith Jane Colgrove, '46; *ELED*; Burlington
- Rodolfo Lester Coletti, '44; *LA*; Barre
- Katharine Brownell Collier, *Uncl. Spec*; Burlington
- Dorothy Jean Collins, '44; *HE*; Colchester
- Jane Claire Collins, '44; *LA*; New Haven, Conn.
- Edward Paul Colville, '46; *LA*; Yonkers, N. Y.
- Raymond Mark Combs, '46; *LA*; Wallingford, Conn.
- Seymour Milton Comen, '45; *Bus*; New Haven, Conn.
- Janice Cecile Commanday, '46; *LA*; New York, N. Y.
- Charles Franklin Comstock, '46; *LA*; Bristol
- Mary Lou Conley, '46; *LA*; Bridgeport, Conn.
- Francelia Mae Connor, '45; *HE*; Middlesex
- Richard Reuben Conrad, '45; *SED*; Morrisville
- Reno Joseph Conti, '44; *SED*; Barre
- William Roy Cook, Jr., '46; *LA*; Huntington, W. Virginia
- Joseph Edward Corbett, '43; *ME*; North Tonawanda, N. Y.
- Marion Geneva Corbett, '43; *ELED*; Wilmington
- Guy Rudolph Corbosiero, '45; *LA*; Fitchburg, Mass.
- William Michael Corey, '44; *Ag*; West Rutland
- John Patrick Corley, '44; *Med*; Burlington
- Duncan Simmons McKeith Corliss, '43; *Ch*; Wells River
- John Ozro Corliss, '44; *LA*; St. Albans
- Alan Russell Corwin, '45; *Ag*; Chelsea
- John Loring Costello, '45; *Med*; Rutland
- Lois Viets Cotton, '43; *SED*; Granby, Conn.
- Edward Joseph Coughlin, '44; *LA*; Graniteville
- Sophia Marjory Counos, '43; *ELED*; St. Albans
- Jeanne Cecile Coutu, '43; *ELED*; Westfield
- Wilton Warner Covey, '45; *Med*; Brattleboro
- Paul Herbert Crandall, '45; *LA*; Essex Junction
- Elizabeth Eileen Crane, *Uncl. Spec*; Burlington
- Emma Adelaide Craven, '46; *ELED*; Philadelphia, Penna.
- Joseph Charles Creed, '45; *Med*; Rutland
- Ann Crocker, '45; *LA*; Foxboro, Mass.
- Virginia Crocker, '44; *HE*; North Hyde Park
- Jay Stanley Cronk, '44; *Ag*; Granby, Mass.
- Leslie Lawrence Crosby, '46; *Med*; Springfield, Mass.
- Harry Eastwood Crossley, Jr., '44; *ME*; Burlington
- Eleanor Patricia Crowley, '44; *HE*; Hastings-on-Hudson, N. Y.
- Edmund Theodore Crown, '46; *Ag*; Lanesboro, Mass.
- Merle Wesson Crown, '43; *Ag*; Groton
- Ralph Leslie Cudlipp, Jr., '43; *Med*; Burlington
- Florence Elizabeth Cudworth, '45; *LA*; Brattleboro
- Robert McBurney Curtis, '44; *ME*; Newton, Mass.
- Morton Learned Cushing, '44; *LA*; St. Albans
- Lael Thelma Cutler, '45; *HE*; Quincy, Mass.
- Seymour Saul Cutler, '43; *Med*; Brooklyn, N. Y.
- Elizabeth Mae Dahlgren, '45; *LA*; Bristol, Conn.
- Lawrence Philip Dale, '46; *ME*; Montpelier
- Porter Hinman Dale, '45; *LA*; Montpelier
- George Forrest Daly, Jr., '43; *ME*; South Norwalk, Conn.
- Malcolm Niven Dana, '44; *Ag*; North Pomfret
- LaRoy Harrison Danyow, Jr., '45; *CE*; Enosburg Falls
- Bernice Ruth Darling, '46; *ELED*; Stonington, Conn.
- Raymond Frederick Darling, '43; *SS*; Bloomfield, N. J.
- Robert Carlton Darling, '43; *CE*; Campello, Mass.
- Seymour Joyce Davidoff, '46; *EE*; Brookline, Mass.
- Alan Davidson, '44; *Med*; St. Albans
- Lloyd George Davies, '43; *Med*; Bath, Me.
- Dudley Hale Davis, '43; *SS*; Burlington

- Everett Lee Davis, '44; *Med*; Craftsbury Common
- Mary Elizabeth Davis, '43; *GS*; St. Louis, Mo.
- Sidney Edgar Davis, '46; *ME*; Burlington
- Stilman George Davis, Jr., '43; *Med*; Nashua, N. H.
- Jean Margaret Davison, '44; *LA*; Providence, R. I.
- Dorothy Ann Day, '46; *HE*; Springfield
- Richard Carlton Debus, '46; *Bus*; Woodridge, N. J.
- Rosemary Constance Decker, '44; *LA*; Poughkeepsie, N. Y.
- Arthur Brookins Delano, Jr., '43; *CE*; Shoreham
- Margaret Elisabeth Delano, '44; *LA*; Shoreham
- Era Del Giudice, '44; *LA*; Waterbury
- Bedell R. Delorme, '44; *LA*; Peru, N. Y.
- Elizabeth Lewis Deming, '43; *SS*; New Haven, Conn.
- Cleveland Ray Denton, '44; *Cb*; Burlington
- Harland Martin Deos, '43; *Med*; Lyndonville
- David Dana DePue, '44; *Med*; Hawesville, N. Y.
- Clarence Rader deRochemont, '46; *EE*; Rockland, Me.
- Gerald Didinsky, '44; *SED*; South Fallsburg, N. Y.
- Marcelino Diez, '45; *ME*; Barre
- John Dominic Dimichele, '46; *Med*; Poultney
- Ralph Dettmer Divine, '45; *Cb*; Waterbury
- Kathryn Margaret Doane, '44; *LA*; Bakersfield
- Nancy Alice Dockstader, '46; *HE*; Amityville, N. Y.
- Robert Charles Doherty, '43; *GS*; Meriden, Conn.
- Elizabeth Lea Dole, '46; *LA*; Burlington
- Frances Ferguson Donahue, '45; *LA*; Pearl River, N. Y.
- Margaret Clarke Donahue, '45; *SED*; Pearl River, N. Y.
- Aaron Dondes, '46; *ME*; Burlington
- Lucille Gladys Doner, '46; *HE*; Underhill
- Ida Marguerite Donnelly, '46; *LA*; Philadelphia, Penna.
- Elizabeth Dent Doolin, '45; *SED*; Washington, D. C.
- Walter Irving Dorion, '43; *SED*; Rutland
- Elizabeth Doton, '44; *Med*; Woodstock
- Harris Kenneth Drury, Jr., '45; *Cb*; Essex Junction
- Max Dubin, '43; *Med*; Brighton, Mass.
- James Field Duckworth, '43; *Ag*; Springfield, Mass.
- Barbara Mae Dunbar, '43; *ELed*; St. Albans
- Ernest Albert Dunbar, Jr., '46; *Med*; Barre, Mass.
- James Kelman Duncan, '43; *ME*; Montpelier
- Mary Jean Allerton Dunsmore, '46; *LA*; Swanton
- Herbert Ashley Durfee, Jr., '46; *LA*; Burlington
- John Bard Durfee, '46; *ME*; Bethel
- Margaret Ann Durfee, '44; *HE*; Burlington
- Delmer Dennis Durgin, '44; *LA*; Central Islip, N. Y.
- June Beverley Durkee, '46; *ELed*; Randolph
- Harriet Pearson Dustan, '45; *Med*; Craftsbury Common
- Stanley Franklin Dwinell, '44; *Med*; Bradford
- Alice Safford Dyer, '44; *HE*; Richford
- James Warren Dykens, '46; *Med*; Worcester, Mass.
- Wendell George Earle, '45; *Ag*; East Hardwick
- John Edward Earley, '46; *ME*; Burlington
- Robert William Earley, '43; *EE*; Burlington
- Kathleen Eleanor Easton, '43; *HE*; Shoreham
- Penelope Standish Easton, '44; *HE*; Craftsbury Common
- Hilda Verne Ebare, '43; *HE*; Fairfax
- Dwight Kimball Eddy, '44; *Ag*; Hinesburg
- Malcolm Lockwood Eddy, '45; *ME*; Burlington
- Winston Milo Eddy, '46; *Med*; Burlington
- Phyllis Mary Edgerton, '46; *HE*; Burlington
- Alice Gloria Edwards, '45; *LA*; Brooklyn, N. Y.
- Robert Ehrenbard, '46; *LA*; New York, N. Y.
- Marilyn Louise Eimer, '44; *LA*; Jackson Heights, N. Y.
- Phyllis Lucille Eisenberg, '45; *LA*; Flushing, N. Y.
- Rose Sophie Eisman, '45; *Cb*; Jersey City, N. J.

- Frank Oscar Eklund, '45; *LA*; Rutland
 Joan Emma Eldredge, '43; *Sec*; Waterbury
 John William Elliopulos, '46; *LA*; Fitchburg, Mass.
 Wilfred Theodore Reed Elliott, *Uncl Spec*; St. Johnsbury
 Helen Patricia Ells, '44; *SEd*; Essex Junction
 Eleanor Laura Emerson, '44; *MusEd*; Coventry
 Marilyn Orlen Epstein, '44; *LA*; Holyoke, Mass.
 Karl Wayne Erwin, '46; *LA*; Burlington
 Peter Floreal Esteran, '46; *LA*; Barre
 Frank Butler Estes, '46; *ME*; Bellows Falls
 Henrietta Ita Facteau, '43; *CT*; Castle Point, N. Y.
 William Thomas Fagan, Jr., '45; *LA*; Rutland
 Irene Forestelle Fahey, '46; *LA*; Bridgeport, Conn.
 Margaret Newcomb Fake, '44; *LA*; Pittsfield, Mass.
 Glory Ann Farmer, '46; Fair Haven
 Betty Doris Farnsworth, '45; *LA*; Morristown, N. J.
 Lorraine Mary Farrell, '46; *MusEd*; Shelburne
 Donald Sumner Farrington, '46; *LA*; Concord
 Esther Wheeler Favor (Mrs.) *Uncl Spec*; Vergennes
 Nancy Maxwell Fawcett, '44; *LA*; Marblehead, Mass.
 Kathryn Houghton Feerick, '44; *LA*; Brooklyn, N. Y.
 Phyllis Gloria Fein, '44; *LA*; Springfield, Mass.
 Stanley David Feldman, '44; *Bus*; New York, N. Y.
 John Peter Felopulos, '44; *LA*; Bennington
 Stanley Charles Felsenfeld, '44; *LA*; Brooklyn, N. Y.
 Robert Emmett Fenix, '43; *Ag*; Burlington
 Paul Frederic Fenton, *PG*; Burlington
 Stanley Samuel Fieber, '44; *LA*; Brooklyn, N. Y.
 Julia Elizbaeth Field, '46; *ELED*; No. Ferrisburg
 Warren James Field, '46; *EE*; No. Ferrisburg
 Selma Myrna Fienberg, '44; *Sec*; Bennington
 Mary Lyons Fifield, '45; *ELED*; Burlington
 Emma Marion Finn, '44; *HE*; St. Albans
 Lewis Richard Fisher, '45; *EE*; Hardwick
 Murray Irwin Fisher, '43; *Bus*; New York, N. Y.
 Priscilla Elfie Fisher, '43; *ELED*; Bartonsville
 Louis Fishman, '45; *Ch*; Burlington
 Earl Owen Fisk, '43; *Ch*; Barton
 Barbara Muriel Fiske, '45; *HE*; Burlington
 Pauline Hazelton Fitch, '45; *HE*; St. Johnsbury
 Robert Fitzsimmons, '44; *Ag*; West Rutland
 John Charles Fitzsimonds, '46; *Ag*; Jericho
 Wayne George Flagg, '46; *EE*; Brandon
 Roger Morton Flanders, '46; *CE*; West Barnet
 William Dana Flanders, Jr., '46; *CE*; Island Pond
 Alice Flemming, '45; *Sec*; Lonsdale, R. I.
 Nancy Flemming, '46; *LA*; Attleboro, Mass.
 Julia Bancroft Fletcher, '44; *ELED*; Woodstock
 Margaret Flint, '43; *HE*; Presidio, San Francisco, Calif.
 Sarah Jo Flournoy, '45; *Sec*; Kenmore, N. Y.
 Zelva Flower, '44; *LA*; Hartland Four Corners
 Richard Harold Flynn, '45; *LA*; North Adams, Mass.
 Electa Harper Follett (Mrs.), *Uncl Spec*; Burlington
 Herbert Gilman Foster, Jr., '44; *Ag*; Windsor
 June Dorrance Foster, '45; *LA*; Burlington
 Samuel Joseph Foti, '46; *Med*; Rutland
 Donald Maxwell Fowell, '44; *Med*; Burlington
 Edith Patricia Fowell, '44; *LA*; Burlington
 Franklin John Fowler, '43; *Ag*; Manchester Depot
 Palmina Nancy Frabotta, '43; *GS*; North Uxbridge, Mass.
 Howard David Frank, '45; *LA*; Burlington
 Lester Frank, '44; *LA*; Burlington
 Dorothy Viola Franklin, '43; *ELED*; East Ryegate
 John William Fraser, '46; *EE*; Burlington
 Paul Victor Fraser, '45; *CE*; Montpelier

- Robert Ward Freeman, '46; *LA*; Rutherford, N. J.
- Albert Hugo Fregosi, '44; *Med*; Proctor
- H. Henry Friedman, *Uncl Spec*; Dorchester, Mass.
- Abbie Ann Fritche, '43; *LS*; Ardsley, N. Y.
- Eugene Moses Fuchs, '44; *Ag*; Bronx, N. Y.
- John Henry Fuller, *Uncl Spec*; Burlington
- Ruth Elaine Fuller, '46; *LA*; Brooklyn, N. Y.
- Louis Sidney Fusco, Jr., '46; *LA*; Rutland
- Terence Frederick Gage, '46; *Med*; Vergennes
- Evangeline Mary Ellen Galatis, '46; *LA*; Bellows Falls
- Noel Charles Galen, '46; *LA*; New York, N. Y.
- Robert Homer Galipeau, '43; *SEd*; Troy
- Evelyn Catherine Gallagher, '44; *LA*; West Hartford, Conn.
- Andrew Young Gallup, '46; *LA*; Burlington
- Mary Lorraine Gannon, '45; *Med*; Fairfield
- Beryle Emily Gardner, '43; *ELED*; Cabot
- Martin Fitzgerald Garey, '46; *Cb*; St. Albans
- Joan Mary Garrity, '46; *LA*; Burlington
- Constance Mary Garvin, '45; *LA*; Greenfield, N. H.
- Edna Louise Gates, '44; *ELED*; S. Royalton
- Marjorie Cloma Gates, '44; *LA*; Franklin
- Alma Lucia Gaylord, '44; *HE*; Northfield
- Harriet Mary Gebbie, '45; *HE*; Greensboro
- Diantha Smith Geer, '44; *Bus*; Bridgeport, Conn.
- Julian Gelvan, '46; *LA*; Rutland
- Mildreth Louise George, '46; *Bus*; Riverside, Conn.
- Caroline Wilhelmina Gerling, '44; *CT*; Schenectady, N. Y.
- Eyroul Samuel Germain, '43; *Bus*; Burlington
- Mary Elizabeth Germain, '43; *GS*; Glens Falls, N. Y.
- Christian Michael Gianola, '46; *LA*; Proctor
- Sarah Elizabeth Gibson, '43; *GS*; Sharon
- James Curtis Giddings, '43; *Med*; New Haven, Conn.
- Rachael May Giddings, '46; *ELED*; Ludlow
- Judith Lee Gilbert, '45; *LA*; Dorset
- Collis Perry Gill, '44; *CE*; Middlebury
- Betsy May Gillinder, '46; *HE*; Port Jervis, N. Y.
- Richard Guy Gilmore, '46; *Ag*; Wallingford
- Robert Creighton Gilmore, '44; *LA*; Proctor
- Hyman Ginsburg, '43; *Cl*; New Britain, Conn.
- Melvin Milton Gipstein, '44; *LA*; Hartford, Conn.
- Walter Martin Glass, '43; *Med*; Burlington
- Allen Ira Glazin, '45; *LA*; Malden, Mass.
- Robert Ignatius Gleason, '44; *Med*; Burlington
- William Joseph Goeller, '44; *Bus*; Scarsdale, N. Y.
- Helaine Pearl Tunick Goldberg, '43; *LS*; Port Chester, N. Y.
- Julius Louis Goldberg, '44; *Bus*; Burlington
- Robert Seamon Goldberg, '45; *Med*; Burlington
- Joan Goldbloom, '45; *LA*; Brooklyn, N. Y.
- Jack Jay Goldman, '43; *GS*; Burlington
- Newton Selig Goldman, '45; *LA*; Brookline, Mass.
- Stanley Harold Goldman, '45; *ME*; Brooklyn, N. Y.
- George Jason Goldsmith, '44; *Cb*; Newburyport, Mass.
- Irving Goldstein, '45; *Bus*; Mountaintale, N. Y.
- Lucille Nan Goldstein, '43; *LS*; Flushing, N. Y.
- Harvey Edward Goodell, '45; *EE*; Wells River
- Carl Goodman, '44; *LA*; South Boston, Mass.
- Ruth Mary Gorham, '44; *HE*; Brandon
- Sophie Gorney, '43; *SS*; Attleboro, Mass.
- John Philip Goss, '43; *SEd*; Wilder
- Robert Patterson Goss, '44; *MusEd*; Wilder
- Sydney Arnold Grace, '46; *LA*; Waterbury, Conn.
- Carol Lee Grant, '45; *LA*; Winchester, Mass.
- Claire Fleurette Gravel, '43; *SS*; Winooski
- Frances Aline Gravel, '44; *HE*; Winooski
- Irvin McKee Graves, '46; *LA*; Bellows Falls
- Myra Davis Gray, '44; *HE*; Waban, Mass.
- Mary Thorne Greene, '46; *LA*; Morrisville
- Marcia Audrey Greenspan, '46; *LA*; Holyoke, Mass.

- Richard Pollard Grosvenor, '43; *GS*; Winchester, Mass.
- Robert Morris Grover, '43; *Ag*; York Village, Me.
- Loraine Somerville Guild, '45; *EIEd*; Burlington
- Frederic Joseph Guilmette, '44; *Med*; Rochester
- Esther Margaret Gustafson, '44; *Sec*; Worcester, Mass.
- Donald Herman Hackel, '46; Rutland
- Janet Agnes Hackwell, '43; *SS*; Montpelier
- Richard Berry Hadley, '43; *Med*; Bellows Falls
- Carleton Raymond Haines, '44; *Med*; Barre
- Gerald Leon Haines, '45; *Med*; Barre
- Dorothy Ellen Halbrooks, '46; *LA*; Cynwyd, Penna.
- Barbara Mae Hall, '44; *EIEd*; East Randolph
- Doris Ethel Hall, '46; *Sec*; Westfield, N. J.
- Marjorie Anne Hall, '45; *HE*; Wakefield, Mass.
- Nancy Eleanor Hall, '46; *LA*; Burlington
- Robert MacCallum Hall, '46; *LA*; Gloucester, Mass.
- Shirley Anne Hall, '43; *HE*; East Randolph
- Robert Lawrence Hallet, '46; *LA*; Springfield, Mass.
- Richard Davis Halligan, *PG*; West Orange, N. J.
- Gertrude Marie Hallock, '44; *EIEd*; Burlington
- Roy Gordon Hamilton, Jr., '43; *ME*; Williamstown
- Guy Andrews Hamlin, '45; *LA*; Brushton, N. Y.
- Charlotte Hamond, '44; *EIEd*; Windsor
- Marie Alice Hammond, '45; *EIEd*; Burlington
- Phyllis Marie Hardy, '45; *HE*; Brattleboro
- Mary Elizabeth Harmon, '45; *EIEd*; Bennington
- Leonard Harrington, '43; *SS*; North Wilbraham, Mass.
- Irwin Lee Harris, '43; *GS*; Winsted, Conn.
- Mary Louise Hart, '43; *EIEd*; Long Island, N. Y.
- Janet Verde-Mont Hartung, '46; *Ag*; Milerton, N. Y.
- Wendell Neil Harvey, '43; *SEd*; Burlington
- Donald Holden Harwood, '45; *Med*; Dorset
- Ramona Dorothy Hathorn, '44; *HE*; White River Junction
- Stuart Foster Haven, '46; *ME*; Vergennes
- Betty Hawkinson, '44; *LA*; St. Johnsbury
- Richard Carman Hay, '43; *GS*; Burlington
- Walter Harold Hayes, Jr., '44; *MusEd*; Rutland
- Peggy Helen Haynes, '46; *EIEd*; Burlington
- Lloyd Norman Hazen, '44; *LA*; Richmond
- Florence Hecht, '45; *LA*; Brooklyn, N. Y.
- Erika Natalie Heininger, '44; *HE*; Burlington
- Sylvia Jane Hendershot, '45; *EIEd*; White Plains, N. Y.
- George Harold Henderson, '46; *LA*; Pittsfield, Mass.
- Katherine Ann Hennessey, '45; *EIEd*; Bellows Falls
- Robert Eugene Hennessy, '43; *Bus*; Bridgeport, Conn.
- Nellie Alberta Herrmann, '43; *MusEd*; Rutland
- Clyde Gardner Hess, Jr., '44; *LA*; Burlington
- Shirley Tucker Hibbard, '45; *LA*; New Britain, Conn.
- Mary Jane Higgins, '43; *EIEd*; Burlington
- Jack Wiley Hinman, *PG*; Gowrie, Iowa
- Joan Mary Hitzel, '44; *LA*; Rutland
- June Winifred Hoffman, '43; *Cl*; Bronx, N. Y.
- Arthur Clement Holden, '45; *LA*; Burlington
- George Jean Holden, Jr., '44; *EE*; Burlington
- John Kenneth Holden, '46; *CE*; Burlington
- Margaret Ann Holloway, '46; *LA*; Newark, Maryland
- Marie Corinne Hollowell, '43; *LS*; Cranford, N. J.
- Griswold Bruce Holman, Jr., '44; *Bus*, Rutherford, N. J.
- Carleton Leslie Holmes, '43; *SEd*; Bristol
- Ruth Anne Holmes, '45; *HE*; Burlington
- Charles Richard Holt, '46; *LA*; New Rochelle, N. Y.
- John Montgomery Hooks, '44; *CT*; West Englewood, N. J.
- Anne Louise Hoos, '46; *Cb*; Union, N. J.
- Iola Wanda Hopkinson, '46; *Sec*; Burlington

- Jeanne Trowbridge Hotchkiss, '45; *LA*; New Preston, Conn.
- Verle Randall Houghaboom, '44; *Ag*; Wiliston
- Ethan Victor Howard, Jr., '45; *Med*; Burlington
- Harry Elwin Howe, '43; *GS*; Tunbridge
- Gladys Helen Hoyt, '46; *Cb*; Milton
- John Prescott Hoyt, Jr., '43; *ME*; Milton
- Stedman George Huard, '44; *LA*; Winooski
- Christine Ruth Hughes, '45; *HE*; Brattleboro
- Rosamond Ella Hughes, '44; *HE*; Brattleboro
- Stanley Parker Hull, '44; *LA*; Worcester, Mass.
- Robert Arthur Humphrey, '45; *ME*; Needham, Mass.
- Donald Walter Humphreys, '45; *LA*; Bennington
- Roderick Julius Humphreys, '44; *Cb*; Bennington
- Virginia Mary Hunt, '45; *LA*; Rutherford, N. J.
- John Alexander Hunter, Jr., '43; *Med*; Dover, N. H.
- Robert Neal Hunziker, '44; *LA*; Stratford, Conn.
- Caroline Frances Husk, '46; *Eled*; Vergennes
- Thomas John Hutchinson, *PG*; Milton
- James Philo Irish, '44; *Ag*; Essex Junction
- Judith Priscilla Isaacs, '44; *HE*; Far Rockaway, N. Y.
- Charles Itzkowitz, *PG*; New London, Conn.
- Isabel Lucy Jackson, '46; *LA*; Jericho
- Howard Hinman Jacobs, '44; *Med*; Enosburg Falls
- Thelma Adria Jacobs, '45; *HE*; St. Albans
- Lawrence Albert Janoff, '44; *Med*; New York, N. Y.
- Richard Jarow, '43; *GS*; New York, N. Y.
- Geraldine Muriel Jasper, '44; *LA*; Brooklyn, N. Y.
- Eleanor Dawley Jenkins, '45; *HE*; Maplewood, N. J.
- Stearns Raymond Jenkins, '46; *ME*; Hardwick
- Elizabeth Jenks, '43; *SED*; Burlington
- Paul Calvin Jenks, '43; *Med*; Burlington
- Earlene Marian Jenness, '43; *Eled*; Barton
- Ruth Dorothy Jepson, '45; *Sec*; Walpole, Mass.
- Betty Jean Johnson, '46; *Eled*; Burlington
- Dorothy Linnea Johnson, '44; *LA*; Brooklyn, N. Y.
- Louise Marie Johnson, '44; *Eled*; Burlington
- Patricia Anne Johnson, '45; *LA*; Kinderhook, N. Y.
- Albert Johnston, '46; *Eled*; Newton Centre, Mass.
- William Herbert Johnston, '44; *Med*; St. Johnsbury
- Robert Ellis Johnstone, '43; *Med*; Burlington
- Allen Tewksbury Jones, '43; *SED*; Morrisville
- Hilton Walter Jones, '44; *EE*; Burlington
- Llewellyn Martin Jones, '43; *GS*; Swanton
- Nan Marion Jones, '43; *Sec*; Burlington
- Ruth Kimball Jordan, '45; *SED*; Burlington
- Clifford Joseph, '43; *GS*; New York, N. Y.
- Frances Dolores Juliano, '44; *LA*; Brooklyn, N. Y.
- Peter Paul Kadzis, '46; *LA*; Brighton, Mass.
- Georgia Kafalas, '46; *LA*; Newburyport, Mass.
- Beatrice Arleen Kantor, '45; *Sec*; Rutland
- Victor Leonides Karren, '46; *Med*; Yonkers, N. Y.
- Jakob Katz, '44; *LA*; New York, N. Y.
- Milton Reuben Kaufman, '43; *GS*; Mountaintdale, N. Y.
- Richard Kaufman, '45; *LA*; Pittsfield, Mass.
- Bernard Marvin Kaye, '45; *LA*; Brandon
- Richard Francis Keefe, '46; *Ag*; Bennington
- Agatha Corrine Keelan, '43; *HE*; Montgomerly
- Edward Allen Keenan, Jr., '45; *Med*; Burlington
- Thomas Aloysius Keenan, '45; *Med*; Rutland
- Arthur Henry Kehoe, Jr., '44; *Bus*; Rutherford, N. J.
- Thomas Joseph Keighley, '44; *LA*; Burlington
- Mary Elizabeth Kelley, '43; *SED*; Bennington
- Maurice Leslie Kelley, Jr., '46; *LA*; Montpelier
- Norman Kemler, '43; *Med*; Burlington

- Stanley Marshal Kemler, '44; *LA*; Medford, Mass.
- Charles Prentiss Kempster, '45; *Cb*; Burlington
- Harry James Kelly, '46; *Med*; Northampton, Mass.
- David Samuel Kenet, '44; *LA*; Springfield
- Morris Wellesley Kenfield, '43; *ME*; Rutland
- Francis Alan Kennedy, '44; *Med*; St. Albans
- Carolyn Stokes Kenney, '46; *Sec*; Cranston, R. I.
- Barbara Louise Kennon, '45; *HE*; Camp Carson, Colorado
- Avis Kenyon, '46; *Sec*; Richmond
- Robert Walker Ker, Jr., '45; *Bus*; Waterbury, Conn.
- William Arthur Kilbourn, '46; *ME*; Bristol
- Ralph Morton Kilburn, '43; *Bus*; Collinsville, Conn.
- Lawrence Findley Killick, Jr., '44; *SED*; Burlington
- Delbert Murray Kimball, *Uncl Spec*; Burlington
- Atkins Hughes King, Jr., '46; *EE*; Brattleboro
- Stanley Allen King, '46; *Cb*; Burlington
- James Taft Kinne, '46; *Ag*; S. Glastonbury, Conn.
- Albert Clark Kinney, Jr., '43; *PM*; Hardwick
- Barbara Elisabeth Kirby, '45; *ELED*; Brooklyn, N. Y.
- Helen Blakey Kirby, '45; *ELED*; Underhill
- Jeanne Arlene Knickerbocker, '44; *LA*; Burlington
- Nathan Zenas Knight, '44; *Ag*; Post Mills
- Thatcher Joslin Knight, '46; *Ag*; Bellows Falls
- Priscilla Ruth Knox, '46; *LA*; Lynn, Mass.
- Freda Koble, '45; *LA*; Witherbee, N. Y.
- Elinor Konowitz, '46; *LA*; Brookline, Mass.
- Helen Maria Korpi, '46; *ELED*; Jamaica
- Webster Oscar Krupp, '44; *ME*; Burlington
- John Gilbert Kubin, '46; *LA*; Orwell
- Mary Ann Kudiesy, '45; *ELED*; Burlington
- Leonard Yale Kunken, '44; *Bus*; Lynbrook, N. Y.
- Helen Graham Kurtz, *PG*; Burlington
- Ione Ethel Lacy, '44; *HE*; Burlington
- Frederick Harvey Ladd, '46; *Ag*; Norwich
- R. Electa Schaefer Ladd (Mrs.), *PG*; Burlington
- Claire Marie LaFray, '43; *Cl*; Leominster, Mass.
- Fred Leslie Laird, Jr., '46; *LA*; Montpelier
- Shirley Mae Lampman, '45; *MusEd*; St. Albans
- Marvin Horte Lamport, *Uncl Spec*; New York, N. Y.
- Barbara Lillian Lane, '44; *ELED*; Burlington
- Elizabeth Ruth Lane, '44; *LA*; East Orange, N. J.
- William Taylor Lane, '44; *MusEd*; Hardwick
- Morna Elizabeth Lang, '43; *ELED*; Stowe
- Frances Marie Lanou, '44; *HE*; Burlington
- Ralph Robert Lapointe, '45; *ELED*; Winoski
- Paul Kingston Larner, '45; *Med*; Burlington
- Charles Conrad Larson, *PG*; Pettibone, N. D.
- George Howard Larson, '44; *LA*; Proctor
- Malcolm Frederick John Lavelle, '43; *ME*; Burlington
- Barbara Fuller Law, '46; *HE*; Springfield, Mass.
- Mary Josephine Lawrence, '43; *LS*; Hadsonfield, N. J.
- Marion Crystal Lawson, '46; *LA*; Stony Point, N. Y.
- Robert Marden Leach, '43; *SS*; Burlington
- Herman Alexander LeBow, '46; *Med*; Burlington
- William Jack Lederman, '45; *LA*; Revere, Mass.
- Hortense Elizabeth Ledue, '43; *SED*; Newport
- Marguerite Louise Leonard, '43; *SS*; Nashua, N. H.
- Richard Watson Lepper, '46; *LA*; Lyndonville
- Alma Suzanne LeVens, '43; *LS*; Saugerties, N. Y.
- Helene Ann Levesque, '44; *LA*; Northampton, Mass.
- Florence Theodore Levin, '44; *LA*; Brooklyn, N. Y.
- Murray Newman Levin, '43; *Med*; Burlington
- Samuel George Levin, '43; *ME*; Burlington
- Irving Levine, '45; *LA*; Burlington
- Samuel Levine, '46; *Med*; Burlington

- Richard Jerome Levy, '46; *LA*; Lynbrook, N. Y.
- Anthony Joseph Lewkowicz, '44; *EIEd*; Bellows Falls
- Bernice Lieberman, '45; *LA*; Medford, Mass.
- Clara Marie Liese, '44; *HE*; Chelsea
- Annette Adelia Lilley, '44; *EIEd*; East Fairfield
- Charlotte Louise Lillibridge, '45; *LA*; Torrington, Conn.
- Margaret Elizabeth Theresa Lillie, '44; *LA*; Bennington
- Mary Ursula Lindsay, '44; *LA*; Burlington
- Joseph Nicholas Lionti, '46; *Med*; Proctor
- Faye Ruth Lipman, '43; *SS*; West Hartford, Conn.
- Bernhard Rutherford Lippman, '45; *Bus*; Plainfield, N. J.
- Leonard Michael Lisai, '46; *ME*; Bellows Falls
- Farnham Little, '46; *LA*; Forest Hills, N. Y.
- George Edward Little, Jr., '43; *SS*; Burlington
- Kathleen Laura Little, '44; *EIEd*; Chelsea
- Mary Jane Little, '46; *Bus*; Rochester, N. Y.
- Winona Dorothy Little, '45; *HE*; Plainfield
- James Oliver Lobdell, '45; *LA*; Fairfield, Conn.
- Robert Clare Lockwood, '44; *LA*; Sparta, N. J.
- Arnold Henry Lohmann, *PG*; Zumbrota, Minn.
- Richard Sibley Long, '46; *LA*; Readsboro
- Dorothy Margaret Loughery, '45; *LA*; New Haven, Conn.
- Phyllis Elmira Lowe, '45; *Sec*; Milton, Mass.
- Peggy Marie Lucas, '45; *LA*; Washington, D. C.
- Frederick LeBaron Luce, '46; *LA*; Waterbury
- Lorraine Winifred Luce, '46; *LA*; Waterbury
- Beth Inez Lund, '43; *HE*; Hartford, Conn.
- Hilda Arlene Lund, '44; *HE*; Hartford, Conn.
- Richard Carlton Lunna, '44, *Ag*; Newport Center
- Laurence Lyerly, '45; *Bus*; Bridgeport, Conn.
- Mary Messinger Lyle, '43; *SS*; Fairlee
- Richard George Lynch, '45; *Med*; Burlington
- Doris Pearl Lynde, '46; *LA*; Westminster
- Howard Huntington Lyon, Jr., '46; *Ag*; Morrisville
- Ruth Marie Lyon, '44; *LA*; Newport
- Jane Louise McAuliffe, '44; *HE*; Burlington
- Chester Charles McCabe, '44; *LA*; Shoreham
- Kathryn Frances McCaughey, '46; *HE*; Nashua, N. H.
- Irene Patricia McCormack, '44; *LA*; West Rutland
- Jacqueline McCormick, '46; *LA*; St. Albans
- Thomas Alwin McCormick, '43; *ME*; Burlington
- Janet McDonald, '43; *SS*; New York, N. Y.
- Margaret Curran McElfish, '44; *LA*; Edgewood, Pittsburgh, Pa.
- Kathleen Leora McFeeters, '45; *EIEd*; Franklin
- John Francis McGarry, '43; *GS*; Proctor
- Philip Richard McGaughan, '46; *LA*; Burlington
- Kathleen Ann McGauley, '43; *LS*; Schenectady, N. Y.
- Norman John McGeoch, '46; *LA*; Burlington
- James Bishop McGill, '44; *LA*; St. Johnsbury
- Kathryn May McGillicuddy, '46; *LA*; Burlington
- John Joseph McGrath, *Uncl Spec*; Adams, Mass.
- Harmon Jack Machanic, '44; *LA*; Burlington
- Mildred Irene Mack, '43; *GS*; White Plains, N. Y.
- Muriel Gloria McKee, '45; *HE*; St. Johnsbury
- Helen Alene MacKenzie, '45; *EIEd*; South Ryegate
- Jean Marie MacKenzie, '45; *EIEd*; South Ryegate
- Doris Alvina McLam, '44; *EIEd*; East Corinth
- Martin Wakefield McLaren, '44; *EE*; East Ryegate
- John Andrew McLaughlin, Jr., '45; *LA*; Florence
- Helen Adele McLean, '43; *CT*; Jamaica

- Mark Linwood McLean, '44; *ME*; Jamaica
 Anne Kathryn McNamara, '46; *HE*; Burlington
 Margaret Van Valkenburgh McWain, '43; *GS*; Batavia, N. Y.
 William Matthew Mahar, '45; *LA*; Fair Haven
 Donald Karl Maher, '45; *SEd*; Newfane
 Eva Dorothea Maidenbaum, '44; *LA*; New York, N. Y.
 Jacqueline Francine Mallon, '43; *LS*; New York, N. Y.
 Gilbert Manheim, '44; *LA*; Rutland
 Vincent August Manjoney, '44; *LA*; Bridgeport, Conn.
 Betty Kellogg Mansfield, '46; *LA*; Verona, N. J.
 Kathryn Inez Marcott, '45; *ElEd*; Burlington
 Joseph Gotman Margolis, '44; *LA*; Waterbury, Conn.
 Judith Baird Marquis, '45; *LA*; Flushing, N. Y.
 Russell Marshall, '43; *EE*; North Adams, Mass.
 Albert William Martin, '45; *ElEd*; Rutland
 Laura Marion Martin, '44; *Bus*; Newark, N. J.
 Robert Edward Marzari, '45; *Ag*; Yonkers, N. Y.
 Raymond Robert Massucco, '46; *LA*; Port Chester, N. Y.
 Walter Harding Maurer, '43; *Cl*; St. Albans, L. I., N. Y.
 Thomas Francis Mausolf, '46; *LA*; Stowe
 Mildred Anne Irene Maw, '45; *LA*; Island Pond
 Patricia Shannon Maxfield, '45; *LA*; New Hartford, Conn.
 James Henry Maynes, Jr., '46; *EE*; Woodstock
 Jean Alma Mayo, '44; *HE*; Essex Junction
 Marian Lucy Melby, '45; *HE*; Andover, N. J.
 Joseph Mele, '46; *LA*; Winooski
 Mary P. Mele, *Uncl Spec*; Winooski
 John Eugene Mellin, '46; *LA*; Scotia, N. Y.
 Leon William Mero, *Uncl Spec*; Winooski
 Richard Sheldon Merriam, '45; *LA*; Rochester
 June Delight Merrihew, '46; *El Ed*; Burlington
 William Randal Mershon, '45; *LA*; Stamford, Conn.
 Joanna Jeanne Metcalf, '46; *Med*; Waterbury
 Mary Elizabeth Metcalf, '44; *Sec*; Waterbury
 William Meyer, '46; *CE*; Lake Placid, N. Y.
 Edwin David Meyers, '46; *LA*; Manchester
 Malcolm Arnold Mickler, '46; *Bus*; Providence, R. I.
 Alice Lynette Miller, '46; *HE*; Greensboro
 Frederick Wells Miller, '44; *Ag*; Longmeadow, Mass.
 Ian Patrick Fyfe Miller, '46; *LA*; Hanover, N. H.
 Marcia Alger Miller, '45; *LA*; Claverack, N. Y.
 Margaret Elizabeth Miller, '46; *Sec*; Burlington
 Deanne Loren Milligan, '46; *CE*; Windsor
 Ruth Wyeth Millington (Mrs.), *Uncl Spec*; Burlington
 William Henry Milne, '43; *SEd*; Barre
 Robert Alan Minor, '46; *LA*; Saco, Me.
 Elizabeth Gregory Moffett, '46; *LA*; Provincetown, Mass.
 Andrew Clement Mongeon, '44; *ME*; Winooski
 George Wilmot Moody, '43; *SS*; Burlington
 Deane Barbara Moore, '44; *LA*; Newport
 John Frederick Moore, '45; *Med*; Fair Haven
 Stephen Gates Moore, '45; *Cb*; Burlington
 Franklin William Moran, '46; *LA*; Jericho
 Mervyn Taft Morgan, '46; *Bus*; Burlington
 Robert Edgar Morrison, '46; *CE*; St. Johnsbury
 Harold Moskowitz, '45; *Med*; Burlington
 *Elias Bertram Mott, Jr., '43; *Bus*; Morristown, N. J.
 Agnes June Mulholland, '44; *LA*; Malone, N. Y.
 Donald Day Murphy, '46; *LA*; Bellows Falls
 Jean Alice Murphy, '43; *ElEd*; Burlington
 Helen May Murray, '45; *HE*; Richmond
 Rachel Alberta Murray, '46; *HE*; Charlotte
 William John Murray, Jr., '43; *Bus*; Bridgeport, Conn.
 William Wolfe Musicant, '45; *Med*; Burlington
 Elisabeth Mary Naess, '46; *MusEd*; Ludlow

* Deceased, October 9, 1942

- Barbara Allan Nash, '46; *LA*; Brattleboro
Edward Cyprian Nash, '46; *LA*; North
Bennington
June Shirley Naylor, '43; *HE*; Alburgh
Ronald Howard Neal, '44; *LA*; Laconia,
N. H.
William Charles Neal, '43; *Bus*; Larch-
mont, N. Y.
Alice Marie Needham, '43; *Cl*; Boston,
Mass.
Shirley Ellen Needham, '45; *HE*; Boston,
Mass.
Robert Irwin Neiburg, '46; *EE*; St. Albans
Bay
Forrest Alan Nelson, '45; *ME*; Hamden,
Conn.
Harriet Sofia Nelson, '43; *Bus*; Proctor
Janette Mitchell Nelson, '45; *ElEd*; East
Ryegate
Marion Fairbanks Nelson, '44; *ME*; Mont-
pelier
Elizabeth Jean Newcomb, '46; *HE*; Bur-
lington
Ruth Marie Newell, '43; *HE*; Stamford,
Conn.
Ross Buchanan Newton, '43; *ME*; Hyde
Park
Guy Warren Nichols, Jr., '46; *CE*; Win-
ooski
John William Niemi, '43; *Cb*; Hyannis,
Mass.
Lois Holyoke Niles, '45; *ElEd*; Bennington
Ann Leffingwell Noble, '46; *HE*; Bethel
Bethia Brown Noble, '45; *HE*; Benson
John Savage Noble, '43; *Bus*; Orange, Conn.
Claire Elinor Nolan, '44; *LA*; North Ben-
nington
MacLane Wright Norcross, '46; *LA*; Al-
burgh
Earl Howard Norem, Jr., '46; *CE*; Bay-
side, L. I., N. Y.
Jean Anne Norris, '43; *GS*; Summit, N. J.
Robert Lee Norton, '44; *LA*; New York,
N. Y.
Donald Joseph Nutter, '43; *SS*; New York,
N. Y.
Marjorie Jane Nutting, '45; *HE*; Wood-
stock
Ellen Ann O'Brien, '44; *MusEd*; Water-
bury
Robert Emmett O'Brien, '46; *Med*; Win-
ooski
Edwin Joseph O'Connell, '43; *ME*; West
Springfield, Mass.
Ann Helen O'Donnell, '46; *HE*; St. Albans
Norman John O'Grady, '45; *EE*; Essex
Junction
Robert Francis O'Grady, '44; *EE*; Essex
Junction
Elaine Annette Oling, '45; *Sec*; Brooklyn,
N. Y.
Charles William Orr, '46; *Ag*; Vershire
Frederick Warren Osgood, '46; *LA*; Rut-
land
Hazel Elizabeth Osgood, '43; *ElEd*; Con-
cord
Robert Samuel Otis, '44; *Ag*; Burlington
Henri Louis Pache, '45; *Med*; Great Bar-
rington, Mass.
Harold Gordon Page, '46; *Med*; Groton
Patricia Smith Page, '43; *SS*; Burlington
Ronald Martin Page, '46; *CE*; Burlington
Wayne Harold Page, '44; *EE*; Hyde Park
Christopher George Palans, '45; *Med*; Bur-
lington
Biagio Palermo, '44; *LA*; Waterbury
Bertha Helen Palinkos, '43; *GS*; Norwalk,
Conn.
Margaret Helen Palmer, '44; *LA*; Malone,
N. Y.
Charles Parker, Jr., '45; *LA*; Montpelier
Harry Chandler Parker, Jr., '43; *Ag*; John-
son
June Shirley Parker, '45; *Sec*; Fanwood,
N. J.
Marjorie Waite Parker, '44; *LA*; Goffstown,
N. H.
Richard Harold Parker, '46; *ME*; Rochester
Gerald Francis Parkhurst, '44; *LA*; Ben-
nington
Marion Jones Parrott (Mrs.), *PG*; Bur-
lington
Paul Pascal, '46; *LA*; Brooklyn, N. Y.
Katherine Georgianna Paterson, '46; *Cb*;
Shelburne
Mary Virginia Paterson, '44; *SEd*; East
Craftsbury
William Arthur Paterson, '44; *Ag*; Barre
John Cochrane Patten, '45; *LA*; Claremont,
N. H.
Irene Lucile Pattrell, *Uncl Spec*; Norwich
Domenic Richard Paul, '46; *LA*; Rutland
Leonard Paul, '45; *LA*; Hamden, Conn.

- Yenory Cortés Pazos, '44; *LA*; Costa Rica, C. A.
- Harriet Dean Pearl, '45; *ELED*; Burlington
- Houghton Dean Pearl, '45; *LA*; Burlington
- Clifford Atherton Pease, Jr., '46; *Med*; Burlington
- Harold Arthur Pease, '43; *ME*; Forestville, Conn.
- Stanley John Pekala, '45; *Med*; Amherst, Mass.
- Bradford Marr Perkins, '44; *CE*; Montpelier
- Constance Read Perkins, '46; *HE*; Bridge-water Corners
- Priscilla Read Perkins, '44; *LA*; Augusta, Me.
- Sonia Myrtle Perkins, '46; *Sec*; Brockton, Mass.
- Grace Lucile Perry, '46; *Spec*; Burlington
- John Madison Perry, '45; *Med*; Plainfield
- Katherine Shedd Perry, '45; *LA*; East Greenwich, R. I.
- Martha Janice Perry, '46; *ELED*; St. Albans
- Mary Perry, '44; *LA*; Barre
- John Hollister Perry-Hooker, '45; *LA*; Wells River
- Ray Irving Pestle, Jr., '43; *Ag*; Waitsfield
- Carolyn Ayers Phelps, '44; *MusEd*; Milton
- Jeanne Phillips, '45; *Bus*; Milford, Penna.
- Douglas Francis Pierce, '46; *LA*; Hinsdale, Mass.
- Franklin Kelley Pierce, '44; *CE*; Montpelier
- Phyllis Mae Pierce, '43; *HE*; Swanton
- William Augustus Pierce, '43; *LS*; Lyndonville
- Winston Wilder Pierce, '43; *Ag*; Franklin
- Patricia Helen Pike, '43; *LS*; Burlington
- Louis Fabien Pine, '44; *Med*; Burlington
- Marjorie Lois Pinsly, '46; *LA*; Yonkers, N. Y.
- Albert Joseph Plante, '46; *Ag*; Hinesburg
- Charles Arthur Plumley, '45; *ME*; Ludlow
- Phyllis Dawn Pollard, '46; *LA*; Newport
- Robert Ralston Pond, '44; *ME*; Burlington
- William Francis Potocko, '46; *EE*; Poughkeepsie, N. Y.
- Helen Doris Potter, '44; *SED*; Middlebury
- Barbara Nettie Powers, '46; *LA*; Brattleboro
- Elizabeth Rutter Powers, '46; *LA*; St. Albans
- John Frederick Powers, '45; *Bus*; Burlington
- Constance Miriam Pratt, '45; *ELED*; Proctor
- Elizabeth Mary Pratt, '43; *ELED*; Clarendon
- Robert Ellsworth Pratt, '44; *LA*; Swanton
- William Arthur Pratt, '44; *Med*; Rutland
- Kenneth Francis Prendergast, '45; *LA*; Valley Stream, N. Y.
- Betty Marie Preston, '43; *ELED*; Salisbury
- Charles Franklin Preston, Jr., '44; *LA*; St. Albans
- Janice Elaine Preston, '45; *Sec*; Burlington
- Joseph Stephen Pribula, '46; *LA*; South Amboy, N. J.
- Margaret Adeline Price, '46; *LA*; Fairfield, Conn.
- Shirley Geraldine Price, '44; *LA*; Springfield
- Vera Tiffany Prince, '45; *LA*; Montclair, N. J.
- Francis Xavier Prior, '45; *Cb*; Springfield, Mass.
- Jack Thompson Prior, '43; *Med*; St. Albans
- Patricia Faith Kenyon Prior (Mrs.), '43; *HE*; Vergennes
- Roger Williams Prior, '43; *SED*; Middletown, Conn.
- Rayelen Bruce Prouty, '45; *HE*; West Hartford, Conn.
- Carolyn Emma Provost, '44; *ELED*; Burlington
- Samuel Robert Pulleyn, '44; *Bus*; New York, N. Y.
- Harold Moscher Pulling, '43; *Ag*; Rutland
- Earl Ralph Purchase, *PG*; Burlington
- Wellden Pyle, '46; *LA*; South Orange, N. J.
- Irene Marian Quimby, '43; *HE*; Barnet
- Mary Helen Quinn, '44; *LA*; Burlington
- Doris Elinor Rand, '46; *ELED*; Burlington
- Ruth Vivian Rappaport, '45; *LA*; Quincy, Mass.
- Armonie Monica Rasines, '45; *CT*; Barre
- Mary Spencer Ravey, '46; *Sec*; Burlington
- Alberta Martha Read, '46; *HE*; East Fairfield
- Earl Wilmot Reed, Jr., '46; *CE*; Essex Junction
- Irene Catherine Reed, '46; *LA*; Burlington
- John Walter Reed, '44; *ME*; Oakfield, N. Y.
- Lois Naomi Reed, '44; *ELED*; Fair Haven
- Bruce Warren Regnemer, '46; *LA*; Stamford, Conn.

- Florence Esther Reid, '46; *MusEd*; Burlington
- Howard Driscoll Reid, '46; *LA*; Barre
- Richard Enrique Revilla, '46; *LA*; Barre
- Anna S. Reynolds, *Uncl Spec*; Burlington
- Marion Barrett Rhoades, '44; *LA*; Pittsfield, Mass.
- Louise Farnum Rice, '43; *ElEd*; Fitchburg, Mass.
- Mary Sarah Rice, '43; *CT*; Essex Junction
- Ruth Lura Richards, '46; *ElEd*; Woodstock
- Marie Cleone Riggie, '44; *SEd*; Island Pond
- Murray Lincoln Riggs, '43; *EE*; Richmond
- Doris Jeanne Rindler, '45; *LA*; New York, N. Y.
- Harold Seth Rising, '43; *SEd*; White River Junction
- Betty Manning Ritchie, '45; *Sec*; Glen Rock, N. J.
- Oscar Theodore Rixford, '46; *Bus*; East Highgate
- Betsy Roberts, '44; *Sec*; Batavia, N. Y.
- Elizabeth Thissell Roberts, '46; *LA*; Arlington, N. J.
- Miriam Waterman Roberts, '46; *LA*; Providence, R. I.
- Barbara Isabel Robinson, '43; *HE*; Winooski
- Charlotte Esther Robinson, '45; *LA*; Accord, N. Y.
- Harriet Mary Robinson, '46; *LA*; Essex Junction
- Herbert Sumner Robinson, '43; *Bus*; Brockton, Mass.
- John Christie Robinson, '46; *Med*; Blandford, Mass.
- Philip Edwin Robinson, '45; *LA*; Burlington
- Earl Quentin Rodger, '46; *ME*; West Danville
- William Alexander Roeder, '43; *Cl*; Queens Village, N. Y.
- Alice Mae Rogers, '44; *SEd*; Phillipsburg, N. J.
- Marie Josephine Roller, '45; *LA*; Bridgeport, Conn.
- Frederick John Rolski, '45; *LA*; Linden, N. J.
- Betty Teresa Rome, '46; *LA*; Dobbs Ferry, N. Y.
- Virginia Elizabeth Rose, '45; *LA*; Bellows Falls
- Malcolm Rosen, '45; *Bus*; New Haven, Conn.
- Ivan Booth Ross, '44; *Med*; St. Albans
- David George Rousseau, '46; *Med*; Grand Isle
- Alice Annette Rowe, '45; *LA*; Manchester Center
- Harry Morrison Rowe, '43; *Med*; Burlington
- Marilyn Louise Rowell, '46; *LA*; Starksboro
- Joan Louise Roy, '46; *LA*; New York, N. Y.
- Robert Letson Roy, Jr., '46; *ME*; Lowell, Mass.
- Marjorie Ruth Rubin, '45; *LA*; Brockton, Mass.
- Bernice Ruth Rubinwitch, '46; *LA*; Holyoke, Mass.
- George Besett Ruble, '45; *ME*; Burlington
- Frank Alvin Rudolph, '43; *Med*; Great Falls, Montana
- Alfred James Rulfo, '46; *LA*; Barre
- Henry Jerome Rulfo, '44; *Med*; Barre
- Sylvia Marie Runnals, '44; *Bus*; Montpelier
- Harold John Rush, '44; *Med*; Newport
- Marylee Eliza Russell, '46; *LA*; North Ferrisburg
- Joseph Nicholas Russo, '46; *Med*; Hartford, Conn.
- Alice Louise Ryan, '44; *HE*; Vergennes
- Donald Carney Ryan, '45; *LA*; Burlington
- George Lewis Saiger, '44; *LA*; Burlington
- Ernest Francis St. Mary, Jr., '44; *LA*; Springfield
- Frances Elaine Saladino, '45; *ElEd*; Ely
- Glendeen Marie Samuelson, '45; *ElEd*; South Ryegate
- Ruby Alice Sanderson, '45; *LA*; Winsted, Conn.
- Phyllis Savage, '43; *LS*; Elmore
- Sanford Savins, '46; *Med*; Bridgeport, Conn.
- Allen William Sawyer, '46; *LA*; Barre
- James David Sawyer, '45; *Med*; St. Albans
- Maud Elsa Schoelles, '46; *Bus*; Sea Cliff, N. Y.
- Olga Amelia Schoelles, '46; *Bus*; Sea Cliff, N. Y.
- Paul Leonard Schoenberg, '44; *LA*; New York, N. Y.
- Thelma Geraldine Schoeneman, '43; *ElEd*; Burlington

- Ruth Elizabeth Schoppe, '46; *LA*; Washington, D. C.
- Franklin Charles Scriber, '46; *ME*; Plainfield
- Calleen-Scutakes, '45; *Sec*; Burlington
- Norman Lewis Seltzer, '45; *LA*; Brookline, Mass.
- Edward Joseph Sennett, '43; *Med*; Poultney
- Victor Joseph Serino, '46; *LA*; Bridgeport, Conn.
- Anita Setien, '45; *ElEd*; Barre
- Dean Charles Severance, '45; *ME*; Chester
- Malcolm Floyd Severance, '46; *Ag*; Colchester
- Harriet Miriam Shapiro, '44; *LA*; Ringoes, N. J.
- Robert Leonard Shapiro, '44; *LA*; Springfield, Mass.
- Rita Marie Shea, '44; *ElEd*; Nashua, N. H.
- William Bernard Shea, Jr., '46; *Med*; Bennington
- Harry Leon Sheppard, Jr., '46; *ME*; Northfield
- Gertrude Helene Sherman, '44; *LA*; Bristol
- Phyllis Dorothy Sherman, '46; *LA*; Brookline, Mass.
- Elizabeth Russell Shufelt (Mrs.), Uncl Spec; Burlington
- Louise Wallace Shutler, '46; *LA*; Northfield
- Howard Bliss Siegrist, '46; *LA*; Glen Rock, N. J.
- Eunice Marie Simmons, '45; *LA*; Montpelier
- James Edwin Simpson, '44; *Med*; St. Albans
- Robert Orville Sinclair, '44; *Ag*; Johnson
- William Hempstead Sisson, '46; *Med*; Burlington
- Ransom Orcutt Slack, *PG*; Burlington
- Frank Alphonse Slesinski, *PG*; Northampton, Mass.
- Betty Eldridge Smith, '44; *ME*; West Boylston, Mass.
- Florence Adelaide Smith, '43; *HE*; Treadwell, N. Y.
- Jean Elizabeth Smith, '45; *HE*; Forest Hills, N. Y.
- Margaret Lucy Smith, '45; *ElEd*; Barton
- Marjorie Louise Smith, '43; *HE*; Plainfield
- Roger Frederick Smith, '45; *Med*; Waitsfield
- Claradella Snow, '43; *HE*; Barre
- Robert William Soule, '45; *EE*; Burlington
- Marjorie Evelyn Southworth, '43; *MusEd*; Bethel
- Ethel Eleanor Spahn, '46; *Sec*; Rutland
- Lavinia Natalie Spear, '43; *HE*; St. Albans
- Leo Bernard Spear, '46; *CE*; Essex Junction
- Sylvia Eva Spear, '46; *ElEd*; Burlington
- Mathias Lloyd Spiegel, '46; *LA*; New York, N. Y.
- Jean Margaret Sprague, '43; *HE*; Worcester, Mass.
- Michael Aristotle Spylios, '45; *LA*; Fitchburg, Mass.
- Doris Gordon Squire, '43; *MusEd*; Waterbury
- George Clifton Stanley, Jr., '44; *CE*; Burlington
- Robert Arthur Stanley, '46; *CE*; Burlington
- Florence Bertha Starkey, '44; *HE*; Arlington, Mass.
- Michael Francis Stefanelli, '46; *LA*; Bloomfield, N. J.
- Ruth Ellen Steinman, '44; *LA*; Brooklyn, N. Y.
- William James Stetson, '43; *CE*; Colchester
- Clark William Stevens, '44; *Med*; North Stratford, N. H.
- Dorothy Mae Stevens, '44; *LA*; Guildhall
- Irene Matilda Stevens, '46; *ElEd*; Vergennes
- Jean Ethel Stevens, '45; *ElEd*; Burlington
- Mead Ferrin Stevens, '43; *ME*; Island Pond
- Vesta May Stevens, '45; *LA*; Mystic, Conn.
- Robert Louis Stevenson, '45; *LA*; Lynn, Mass.
- Ellen Reid Stewart, '43; *ElEd*; New York, N. Y.
- Palla Lois Stickney, '43; *ElEd*; East Thetford
- Wendell Anthony Stimets, '45; *LA*; Highgate Center
- Janet Eva Stimpson, '45; *LA*; Cape Cottage, Me.
- Gerald Edwin Stimson, '46; *ME*; Montpelier
- Ernest Raymond Stockwell, '44; *MusEd*; Hartford
- Robert Sylvanus Stockwell, '43; *CE*; Hartford

- Dorethy Geraldine Stoddard, '43; *SEd*; Morrisville
 Paul McLachin Stoddard, '43; *Med*; Groton
 Geraldine Kolin Stokes, '46; *LA*; Waitsfield
 Konrad Howard Stokes, '45; *LA*; Waitsfield
 Milton Elihu Stone, '46; *LA*; Brockton, Mass
 Robert Prindle Story, '43; *Ag*; Rutland
 Marian Clarissa Stoughton, '43; *HE*; Keeseville, N. Y.
 Mary Louise Strauch, '44; *LA*; St. Johnsbury
 Julia Blanche Strong, '43; *ELED*; Johnson
 Harold Stroyman, '45; *LA*; Chelsea, Mass.
 William Brewster Styles, '46; *LA*; Burlington
 James Albert Sudbay, Jr., '46; *Med*; Gloucester, Mass.
 Francis Joseph Sugrue, '46; *Bus*; Waterbury, Conn.
 John David Sullivan, '46; *CE*; Burlington
 Mary Ella Sumner, '43; *GS*; Ludlow
 Paul Vernon Sundberg, Jr., '43; *GS*; Windsor
 Paul Nelson Sutton, '43; *Bus*; Burlington
 Jacquelin Frances Swasey, '46; *LA*; Cornish, Me.
 Frank Robinson Swift, Jr., '43; *Cb*; Bufalo, N. Y.
 Oliver Franklin Swift, '43; *GS*; Burlington
 Richard Leslie Swift, '43; *ME*; Fair Haven
 Karl Whitman Switzer, '45; *Bus*; Waban, Mass.
 Alfred Jerome Swyer, '45; *Med*; Rutland
 Philip R. Sylbert, '46; *LA*; Brooklyn, N. Y.
 Robert Paul Tarshis, '44; *ME*; Westmount, Quebec
 Phyllis Marguerite Taylor, '44; *MusEd*; Bellows Falls
 Robert Glenn Templeton, '44; *SEd*; Northfield Falls
 Barbara Frances Tennien, '46; *HE*; Pittsford
 James Harrington Tennien, '43; *ME*; Pittsford
 Helen Elizabeth Terry, '46; *LA*; Southampton, L. L., N. Y.
 John Ernest Thayer, '43; *Med*; Burlington
 Rosemary Thayer, '44; *LA*; Burlington
 Herman Selig Thomas, '45; *EE*; Burlington
 LeGrand Hendry Thomas, '44; *LA*; Burlington
 Richard William Thomas, '44; *Ag*; Rutland
 Beatrice Marjorie Thompson, '45; *LA*; West Hartford
 Gail Thompson, '46; *Sec*; Worcester, Mass.
 Noah Cyrus Thompson, '44; *Ag*; Colchester
 Richard Winter Thompson, '44; *Ag*; Brooklyn, N. Y.
 Dorothy Golden Thornton, '43; *SEd*; Petersburg, Va.
 Harris Elliot Thurber, '43; *SS*; Newport
 Marie Helena Tirrell, '44; *SEd*; Phillipsburg, N. J.
 Calvin Warren Tooles, '44; *CE*; Burlington
 Raymond Peter Torri, '46; *EE*; Proctor
 Clayton Wellington Toye, Jr., '46; *ME*; Morris Plains, N. J.
 Elmer James Travers, '43; *LA*; Poultney
 Raymond Herman Tremblay, '44; *Ag*; North Springfield
 Ruth True, '44; *LA*; Randolph
 David Chase Tuholski, '43; *SS*; Brockton, Mass.
 George Arthur Tulin, '43; *Med*; Hartford, Conn.
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- Annette Phoebe von Paulsen, '46; *LA*; Cambridge, Mass.
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- Robert Everett Waldo, '44; *ME*; Burlington
- Paul Robert Walgren, '44; *Bus*; West Hartford, Conn.
- Betty Irene Walker, '45; *HE*; Cabot
- Ruth Cathirene Walker, '43; *HE*; Cabot
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- Gladys Eleanor Walston, '43; *Cl*; Watertown, Mass.
- Clement Charles Ward, '46; *LA*; St. Albans
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- Alan Cruett Weess, '45; *Bus*; S. Braintree, Mass.
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- Doris Marjorie Welsh, '43; *HE*; Albany, N. Y.
- Georgé Ernest West, '43; *SS*; Dorset
- Russell Carlisle West, '43; *Bus*; Bridgewater
- William Alvin West, '43; *Cb*; Essex Junction
- William Loren West, '46; *LA*; Shelton, Conn.
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- James Donald Whalon, '45; *ME*; East Dorset
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- Wayne Phillip Whitcomb, '46; *Med*; Burlington
- Clara Elizabeth White, '45; *HE*; Greensboro
- Elizabeth Ann White, '44; *LA*; Pittsford
- Laura Lucille White, '44; *ElEd*; Ryegate
- Pauline Edith White, '46; *ElEd*; Bennington
- Reginald Stewart White, '43; *Ag*; Ryegate
- Robert Francis White, '44; *LA*; Needham, Mass.
- Ruth Margaret White, '46; *HE*; Wallingford
- Sarah Alida White, '44; *HE*; East Ryegate
- Harriet Louise Whitney, '44; *HE*; Springfield
- Julius Walter Whitney, '46; *Med*; Salisbury
- Robert Lewis Whitney, '43; *Med*; Essex Junction
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- John Keen Williams, '45; *Bus*; Landgrove

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 John Proctor, Washington, D. C.
 Willis R. Putney, A.B., Burlington
 Arthur P. Quimby, B.S., Morrisville
 Mrs. Jessie A. Quimby, Morrisville
 Mrs. Thelma M. Quinn, A.B., Rochester
 Marguerite F. Radigan, Hartford, Conn.
 Ruth A. Ramage, St. Johnsbury
 Ernest B. Rand, B.S., Alburg
 Mary L. Ranney, Concord
 Helen C. Ransom, Woodstock
 Mary S. Ravey, Burlington
 Barbara F. Read, Barre
 Mrs. Florence H. Ready, Burlington
 Anne F. Redmond, New York City
 Mrs. Veleida F. Reed, B.E., Bennington
 Kathleen M. Regan, New Britain, Conn.
 Ruth B. Reid, Burlington
 Virginia I. Renchan, White River Jct.
 Anna S. Reynolds, Burlington
 Clara E. Riford, Washington
 Catherine A. Riley, St. Albans
 Doris J. Rindler, New York City
 Mary E. Rixford, E. Highgate
 Jean D. Robb, B.S., Wakefield, Mass.
 Edith P. Roberts, Gorham, Me.
 Iva E. Robertson, B.S., Waitsfield
 Blanche A. Rohlfis, B.S., Elizabeth, N. J.
 Mrs. Dorothy A. Rogers, Burlington
 Alice T. Rosa, S. Ryegate
 Anna Ross, Pittsburgh, Pa.
 Ruth E. Rounds, A.B., Waterford, Me.
 Henry F. Rustedt, A.B., Richford
 Margaret F. Ryan, Craftsbury Common
 Alice P. Sargent, A.B., Montpelier
 Marion E. Sargent, Ph.B., Burlington
 Gloria M. Schustek, New York City
 Lucile S. Scully, White River Jct.
 Ann Scutakes, Burlington
 Barbara E. Seavey, Bangor, Me.
 Florence G. Seelman, Brooklyn, N. Y.
 Beatrice E. Selleck, A.B., Middlebury
 Norman L. Seltzer, Brookline, Mass.
 Barbara S. Shapland, B.S., St. Albans
 Dorothy W. Sherry, New York City
 Estelle L. Silverman, M.A., New York City
 Helen M. Skellenger, Chester, N. J.
 Helen W. Skirm, A.B., Essex, Conn.
 Thomas H. Skirm, A.B., Essex, Conn.
 Melvin H. Small, Burlington
 Elsbeth A. Smith, B.A., Concord, N. H.
 Marian L. Smith, B.A., Burlington
 Rosella B. Smith, Concord, N. H.
 Shirley Faith Smyle, Winoski
 Werner N. Snow, B.S., Burlington
 Mrs. Doris A. Somaini, Burlington
 A. Fern Souther, Lowell
 Rupert J. Spencer, B.S., Hyde Park
 Ruth A. Spooner, B.E., Burlington
 Michael A. Spylios, Fitchburg, Mass.
 George C. Stanley, Jr., Burlington
 Anne C. Starbuck, Burlington
 Florence B. Starkey, Arlington, Mass.
 Ellen R. Stewart, Salem, N. Y.
 Noralie V. Stickle, A.M., Pittsburgh, Pa.
 Robert S. Stockwell, Hartford
 Norman R. Stoddard, B.S., Groton
 Myra Stoff, Brooklyn, N. Y.
 Mrs. Maude E. Stokes, Randolph
 Winifred A. Stone, Ph.B., Winoski
 Minerva L. Stoughton, B.S., Plattsburg, N. Y.
 Mary L. Strauch, St. Johnsbury
 Sister St. Hilary Stringer, B.A., Rutland
 Roxie J. Talbert, Bellows Falls
 Robert P. Tarshis, Westmount, Que., Can.
 Winifred L. Taylor, B.E., Wallingford
 Joseph Tenoppyr, Brooklyn, N. Y.
 Dorothy D. Thayer, Ph.B., Richford
 Jessie E. Tibbetts, Colebrook, N. H.
 Minetta E. Tibbetts, Colebrook, N. H.
 Nora R. Tillotson, Groton
 Marion L. Towle, B.E., St. Johnsbury
 G. Maynard Trafton, B.S., Burlington
 Sister Agnes Marie Tully, B.A., Rutland
 Harry G. Twitchell, Burlington
 John A. Van Auken, Burlington
 Olive G. Vernon, B.S., Peabody, Mass.
 Mrs. Beulah A. VonBruns, Burlington
 Annette P. von Paulsen, Cambridge, Mass.

Mrs. Florence M. Vosburgh, P.H.B., Burlington
 Leon E. Wagner, B.S., Hardwick
 William L. Waite, Ludlow
 Philip A. Waldman, Newton Centre, Mass.
 Mrs. Daisy M. Wallach, Burlington
 Louise M. Walls, Pepperell, Mass.
 Basil B. Walsh, B.S., Proctor
 Florence G. Wark, E. St. Johnsbury
 Katherine Warren, Eden
 Mildred L. Warren, Springfield
 Gertrude B. Watson, Rumford, Me.
 Helen Marion Way, P.H.B., Burlington
 Mrs. Grace A. Webb, Burlington
 Frederick H. Webster, B.S., Hinesburg
 Pauline E. Weiss, St. Albans
 Theresa O. Weiss, M.E., N. Bergen, N. J.
 Anna S. Welch, Winoski
 Sibyl Welling, Brooklyn, N. Y.
 Merlin J. Wells, B.S., Jeffersonville
 Claire E. White, Burlington
 Mrs. Bertha H. Whitney, Northfield
 Elizabeth G. Whitney, B.S., Montpelier

Marcia L. Whitney, Chelsea
 William W. Wicker, Burlington
 Catherine A. Wilcox, A.B., Barton
 May L. Willard, Derby
 Mrs. Helen C. Williams, Jericho
 Ruth H. Williams, A.B., Jericho
 Anne K. Wills, Bennington
 Alice B. Wilson, Springfield, Mass.
 Angie W. Wilson, Richford
 Alice M. Wimet, P.H.B., Pittsford
 Frances M. Witham, Burlington
 Hilde E. Witter, Newmanstown, Pa.
 Ruth E. Wolverson, Bloomsbury, N. J.
 Frances M. Wood, A.B., Fulton, N. Y.
 Laura I. Woolsey, B.S., Hancock, N. Y.
 Marjorie L. Worcester, S. Barre
 Mrs. Gertrude B. Wray, A.B., Burlington
 Rachel C. Wursthorne, A.B., Troy
 Evelyn I. Young, Enosburg Falls
 Naomi W. Zieber, B.A., Philadelphia, Pa.
 Samuel Ziskind, Brockton, Mass.
 Dora Zvirin, Larchmont, N. Y.

STUDENTS IN RESIDENCE, 1942-43

(Corrected to November 1, 1942)

THE DEPARTMENT OF EDUCATION

BY CURRICULA:

	MEN	WOMEN	TOTAL
Elementary Education	10	107	117
Music Education	5	16	21
Totals	15	123	138

BY CLASSES:

	MEN	WOMEN	TOTAL
Seniors, 1943	1	31	32
Juniors, 1944	7	33	40
Sophomores, 1945	5	32	37
Freshmen, 1946	2	27	29
Totals	15	123	138

THE COLLEGE OF AGRICULTURE

BY CURRICULA:

	MEN	WOMEN	TOTAL
Agriculture	58	1	59
Home Economics	0	115	115
Unclassified	0	1	1
Totals	58	117	175

BY CLASSES:	MEN	WOMEN	TOTAL
Seniors, 1943	12	29	41
Juniors, 1944	25	33	58
Sophomores, 1945	7	28	35
Freshmen, 1946	14	26	40
Unclassified	0	1	1
Totals	58	117	175

THE COLLEGE OF ENGINEERING

BY CURRICULA:	MEN	WOMEN	TOTAL
Civil Engineering	34	0	34
Electrical Engineering	32	0	32
Mechanical Engineering	73	2	75
Totals	139	2	141

BY CLASSES:	MEN	WOMEN	TOTAL
Seniors, 1943	29	0	29
Juniors, 1944	33	2	35
Sophomores, 1945	22	0	22
Freshmen, 1946	55	0	55
Totals	139	2	141

THE COLLEGE OF ARTS AND SCIENCES

BY CURRICULA:	MEN	WOMEN	TOTAL
Chemistry	21	5	26
Classical	4	5	9
Commerce and Economics, Business	44	8	52
Commerce and Economics, Commercial Teaching	1	8	9
Commerce and Economics, Secretarial	0	37	37
General Science	16	10	26
Liberal Arts	188	182	370
Literary-Scientific	1	13	14
Secondary Education	16	21	37
Social Science	15	16	31
Special	7	8	15
Totals	313	313	626

BY CLASSES:	MEN	WOMEN	TOTAL
Seniors, 1943	66	61	127
Juniors, 1944	64	77	141
Sophomores, 1945	73	78	151
Freshmen, 1946	103	89	192
Unclassified	7	8	15
Totals	313	313	626

THE GRADUATE DEPARTMENT

	MEN	WOMEN	TOTAL
Resident Graduate Students	11	3	14

THE COLLEGE OF MEDICINE

BY CLASSES:	MEN	WOMEN	TOTAL
Seniors, 1943	31	0	31
Juniors, 1944	31	3	34
Sophomores, 1945	30	2	32
Freshmen, 1946	35	1	36
Totals	127	6	133

THE UNDERGRADUATE COLLEGES

SUMMARY BY CLASSES:	MEN	WOMEN	TOTAL
Seniors, 1943	108	121	229
Juniors, 1944	129	145	274
Sophomores, 1945	107	138	245
Freshmen, 1946	174	142	316
Unclassified	7	9	16
Totals	525	555	1,080

SUMMARY OF RESIDENT ENROLLMENT, 1942-1943

THE UNDERGRADUATE COLLEGES	MEN	WOMEN	TOTAL
The Department of Education	15	123	138
The College of Agriculture	58	117	175
The College of Engineering	139	2	141
The College of Arts and Sciences	313	313	626
Total in Undergraduate Curricula	525	555	1,080
THE GRADUATE DEPARTMENT	MEN	WOMEN	TOTAL
Total in Academic Colleges	11	3	14
THE COLLEGE OF MEDICINE	127	6	133
Total in the University	663	564	1,227

GEOGRAPHICAL DISTRIBUTION

	MEN	WOMEN	TOTAL
California	0	1	1
Colorado	0	1	1
Connecticut	47	31	78
District of Columbia	0	2	2
Indiana	0	1	1
Iowa	2	0	2
Maine	5	2	7
Maryland	1	1	2

Massachusetts	72	57	129
Minnesota	1	0	1
Missouri	0	1	1
Montana	1	0	1
New Hampshire	5	7	12
New Jersey	18	27	45
New York	63	67	130
North Dakota	1	0	1
Pennsylvania	1	5	6
Rhode Island	1	5	6
South Dakota	1	0	1
Texas	0	1	1
VERMONT	443	352	795
Virginia	1	0	1
West Virginia	0	1	1
Canada	1	0	1
Costa Rica	0	1	1
Totals	663	564	1,227

Degrees in Course, 1942

COMMENCEMENT—MONDAY, MAY 18, 1942

THE CURRICULUM IN ELEMENTARY EDUCATION

* BACHELORS OF EDUCATION

Dorothy Leavitt Almy, Daytona Beach, Fla.
 Shirley Isabel Barney, Swanton.
 Mildred Edna Belville, *cum laude*, Barre.
 Mary Spear Bissell, Saxtons River.
 Orrin Marnald Brawn, (*MusEd*), Portland, Me.
 Barbara Ruth Brewster, Cambridge.
 Ruth Hilda Cooley, (*MusEd*), Randolph Center.
 Marie Alexandrina Georgette Coutu, Westfield.
 Dorothy Ruth Dickinson, Bellows Falls.
 Doris Elaine Goodell, Pompanoosuc.
 Ida Rachel Hall, Saxtons River.
 Jean French Hall, (*MusEd*), Charlotte.

Nora Eunice Hill, (*MusEd*), *cum laude*, Lyndon Center.
 Alice Hastings Howe (Mrs.), Passumpsic.
 Charlotte Louise Hyde, East Bethel.
 *Eleanor Jane Lewis, (*MusEd*), St. Albans.
 Katherine Weinmann Lyon, Morrisville.
 *Frances Mae Machia, Essex Junction.
 Dorothy Frances McCormick, Burlington.
 Jean Louise McMahon, Barre.
 Ruth Madeline Mongeon, Winooski.
 Dorothy Moseley, (*MusEd*), Northfield.
 Dorothy Hannah Murphy, Burlington.
 James David Neill, Randolph.
 Olive Ella Ransom, Jericho.
 Myrtle Edith Raymond, Bridgewater.
 June Everen Riddell, Graniteville.

* Diploma in four-year curriculum awarded by University of Vermont and State Agricultural College.

* As of the Class of 1941.

Dorothy Norma Rockwell, (*MusEd*), Alburg.

Louise Mary Rugg, Essex Junction.

Margaret Joy Sandall, Burlington.

Virginia Sargent, Montpelier.

Charlotte Louise Scott, Burlington.

Ethel Bartlett Shippee, West Dover.

Guy Thomas Trono, Burlington.

Hazen Francis Wood, Randolph.

THE COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE

Wilfred Henry Bourdeau, Middlebury.

Floyd Walter Campbell, Strafford.

Robert Lackie Carlson, South Ryegate.

Douglas Putnam Dana, *cum laude*, North Pomfret.

Colin Campbell Drown, Newport.

William Patrick Leamy, Fair Haven.

Herbert John Long, Holley, N. Y.

Copeland Harris Marks, Burlington.

Lawrence John Partridge, Barre.

Merton Sabin Pike, Stowe.

John Holden Pratt, Jr., North Clarendon.

Arnold Chauncey Smith, Barton.

Norman Renwick Stoddard, Groton.

Glenn Clayton Streeter, East Concord.

William Chester Walker, III, Cabot.

Charles Alymer Webster, Orleans.

Frederick Henry Webster, Orleans.

BACHELORS OF SCIENCE IN HOME ECONOMICS

Verna Margaret Allen, Burlington.

*Ellen Sydney Brown, Springfield, Mass.

Lucille Vian Clark, Rutland.

Wanda Emma Cobb, Rutland.

*Ruth Wright Davis, South Hero.

Catherine Helena Farrell, Shelburne.

Barbara Marion Gallagher, St. Albans.

Charlotte Elisabeth Heath, West Haven, Conn.

*Elizabeth Charity Isham, Burlington.

Ellen Agnes Isham, South Burlington.

Joyce Kenyon, *cum laude*, Richmond.

Gail Ferguson Klinger, Cornwallville, N. Y.

Erva Ruth Livingston, Burlington.

Anne Stockwell Lovell, Bellows Falls.

Janet Taylor Malonson (Mrs.), Burlington.

Gwendolyn Esther Marshia, Cambridge.

Pearl Towne Marvin, *cum laude*, Fairfax.

Dorothy Grace Nichols, Winooski.

Ruth Evelyn Orr, Vershire.

Hilda Leona Paquette, *cum laude*, Craftsbury.

Gratia Houghton Pearl, Burlington.

Alice Beatrice Reichman, New York, N. Y.

Hester Doris Rice, *cum laude*, Derby Line.

Janet Elizabeth Rust, Burlington.

Mary Elizabeth Tuckerman, New Haven, Conn.

Harriet Lee Woods, Waterbury.

Beatrice Cecelia Wright, Windsor.

THE COLLEGE OF ENGINEERING

BACHELORS OF SCIENCE IN ELECTRICAL ENGINEERING

Leonard Stanley Berman, Brookline, Mass.

Challiss Irvin Clausing, Essex.

Harvey Hart Hubbard, St. Albans.

Frank Eugene McPherson, Roslindale, Mass.

Donald Lincoln Moran, Jericho.

Rollin James Parker, Essex Junction.

George Hazen Stickney, *magna cum laude*, East Thetford.

BACHELORS OF SCIENCE IN MECHANICAL ENGINEERING

Matthew Raymond Kallman, Woodmere.

Allen Chandler Moore, Burlington.

Donald Milburn Sheldon, West Springfield, Mass.

* As of the Class of 1941.

BACHELORS OF SCIENCE IN CIVIL ENGINEERING

Katharine Clement Holden, Burlington.
Robert Douglas Paterson, Barre.

James Humphrey Stephen, Ontario, Canada.

THE COLLEGE OF ARTS AND SCIENCES**BACHELORS OF SCIENCE IN CHEMISTRY**

Russell Leland Clark, *cum laude*, North
Springfield.

Chester William Hutchinson Partridge,
magna cum laude, Burlington.

BACHELORS OF SCIENCE IN COMMERCE AND ECONOMICS

Lillian Elsie Aronson, *cum laude*, Proctor.
Dorothy Jane Badger, Burlington.
Adelaide Phillips Bennett, Bennington.
Barbara Ruth Bishop, *magna cum laude*,
Springfield.

Leicia Annette Black, *cum laude*, Burling-
ton.

Norman Joshua Boyden, Jr., Burlington.
William Moffett Bronson, Jr., Lancaster,
N. H.

Corinne Pratt Coffin, Burlington.

*Paul Edward Corley, Burlington.

Marguerite Julia Doheny, *cum laude*, Rich-
mond.

Robert Goodwin Foster, Shaker Heights,
Ohio.

Betty Ailsa Ingalls, Fulton, N. Y.

Norma Elizabeth Wilbur Kappeas (Mrs.),
Glover.

Ruth Arms Miller, Putney.

Harold Edward Rice, North Haven, Conn.

*John Gerald Roche, Granville, N. Y.

Marion Etta Roy, Malden, Mass.

Robert Clayton Sayre, Wadhams, N. Y.

Sherburn Clyde Searl, Jr., Ludlow.

*Albert Joseph Senuta, Fitchburg, Mass.

Albert Leslie Shaw, Arlington, N. J.

Sidney Herbert Sisselman, Pittsfield, Mass.

Werner Neumann Snow, Burlington.

Ruth Spiwak, West Forest Hills, N. Y.

Waino Wiljo Suojanen, *magna cum laude*,
Ludlow.

June Nathalie Swanson, Schenectady, N. Y.

Robert Dwight Thayer, Burlington.

Margaret Ward, North Danville.

John Joseph White, Needham, Mass.

Helen Marie Witham, Burlington.

Addie Joyce Woodruff, *cum laude*, Jericho.

BACHELORS OF SCIENCE IN EDUCATION

Clarence Vernon Akley, Lyndonville.

Wilbert Leon Conrad, Jr., Morrisville.

George Demosthenes Corsones, Rutland.

Gladys Mae Gorton, South Wallingford.

Richard Foster Kipp, Orleans.

Leon William Mero, Winooski.

Paul Peter Pullinen, Ludlow.

John Joseph Spasyk, Pittsfield, Mass.

BACHELORS OF SCIENCE

Frances Elizabeth Abel, Montclair, N. J.

Yudel Lester Adler, Burlington.

Herbert Basch, Hartford, Conn.

Anna Ruth Berman, Nantasket, Mass.

Lawrence Whitney Burgess, Chelsea.

Julius George Cohen, Burlington.

Anne Bertha Cohn, Larchmont, N. Y.

Clark Edward Corliss, St. Albans.

Peter Stanley Czachor, Center Rutland.

John Dominic Dimichele, Poultney.

Samuel Joseph Foti, Rutland.

Milton Holtzman, Brooklyn, N. Y.

Charles Itzkowitz, *cum laude*, New Lon-
don, Conn.

Victor Leonidies Karren, Yonkers, N. Y.

Joseph Nicholas Lionti, Proctor.

* As of the Class of 1941.

Harvey Turner Lippe, Irvington, N. J.
 Frederick Pomeroy Logan, Springfield,
 Mass.
 Fern Augusta Magee, North Providence,
 R. I.
 Joanna Jeanne Metcalf, Waterbury.
 Clark Gillette Miller, West Springfield,
 Mass.
 Milton Paul Reiser, *cum laude*, Roxbury,
 Mass.
 David George Rousseau, Grand Isle.
 Louis Michael Rozek, Berlin, N. H.

Sanford Savin, *cum laude*, Bridgeport,
 Conn.
 Isadore Michael Shuman, Fitchburg, Mass.
 Stanton Sirkin, New Britain, Conn.
 Robert Charles Steinman, *cum laude*,
 Brooklyn, N. Y.
 James Albert Sudbay, Jr., Gloucester, Mass.
 Abraham Swartz, Boston, Mass.
 William Winston Talbert, South Ryegate.
 Elmer Leonard Trefren, Lyndonville.
 *Julius Walter Whitney, Salisbury.
 Roxana Dorothy Wilmoth, Ludlow.

BACHELORS OF PHILOSOPHY

Collamer Martin Abbott, Wilder.
 Virginia Elizabeth Amidon, Worcester,
 Mass.
 Fulvio Bardossi, *magna cum laude*, Barre.
 Ruth Marie Boelsen, Westbury, L. I., N. Y.
 Anne Hale Bottomley, Burlington.
 Barbara Butterfield, Manchester.
 Elizabeth Ball Chaffee, Enosburg Falls.
 Ethelyn Lois Chaffee, Enosburg Falls.
 Janet Clark, Norwell, Mass.
 Millicent Edmunds Clough, Rutherford,
 N. J.
 Elizabeth Tunstall Cooper, Merchantville,
 N. J.
 Louise Alethe Davis, Northfield.
 Mary Randall DeYoe, Paterson, N. J.
 Jerome Carmine Ditore, Brooklyn, N. Y.
 Reginald George Farrar, Worcester, Mass.
 Jeanne Adele Forssell, Queens Village, N. Y.
 Gloria Oling Frank (Mrs.), *cum laude*,
 Rutland.
 Georgina Frances Greene, Morrisville.
 Cathryn Van Rensselaer Grier, Hamden,
 Conn.

Alice Newton Howe, Toronto, Ontario,
 Canada.
 Roger Bryant Hunting, Springfield.
 Charles Jacob Katzew, Brockton, Mass.
 *Gertrude Louise Mann, Burlington.
 Christine Shirley Martin, Roxbury, Conn.
 Anne Seymour Olmsted, Winnetka, Ill.
 Harriet Ann Parker, Springfield.
 Judith Perry, *cum laude*, Barre.
 Catherine Marie Peterson, Amherst, Mass.
 Stanley Raymond Pike, Jr., Burlington.
 Marolyn Elisabeth Powers, Vergennes.
 Myers Jay Reynolds, III, Malone, N. Y.
 Elisabeth Helen Roche, New Britain, Conn.
 Sara Elizabeth Rome, Dobbs Ferry, N. Y.
 Bernard Rynowecer, New York, N. Y.
 Walter Eugene Weisman, Fort George
 Meade, Md.
 Joseph Allen White, Jr., Essex Fells, N. J.
 Sarah Adelaide Wilson, *cum laude*, Gray,
 Me.
 Robert Wolfe, Burlington.
 Mary Jeanne Woolley, Glen Cove, N. Y.
 Jean Gertrude Young, Elmhurst, N. Y.

BACHELORS OF ARTS

Norma Joen  Agard, Jamaica, N. Y.
 Geraldine Pearle Annis, Barton.
 Catherine-Jean Dewart, St. Albans
 Flora Elizabeth Fifield, *cum laude*, Bur-
 lington.
 Miriam Louise Fiske, *cum laude*, Burlington.
 * As of Class of 1941.

Myrna Gertrude French, *cum laude*, Bur-
 lington.
 Nancy Guild Goodwin, Tewksbury, Mass.
 Melvin Albert Hawes, Fitchburg, Mass.
 Wendall Loren Shores, Barre.

ADVANCED DEGREES

MASTERS OF ARTS

EDUCATION

Allan Jay Heath, B.S., Massachusetts State College, 1923.

Thesis: The Status of the Vermont Elementary School Teacher.

ENGLISH

Jean Elizabeth Brehmer, Ph.B., University of Vermont, 1940.

Thesis: The Decadent Tendency in the Modern Realistic American Novel.

HISTORY

Mildred Harriet Huntley, Ph.B., University of Vermont, 1928.

Thesis: The Canadian French of Franklin County.

Robert Harry McIntire, A.B., Temple University, 1937.

Thesis: Genealogy, The Handmaid of History.

Laurence Gilbert Paquin, A.B., University of New Hampshire, 1933.

Thesis: The Decline and Collapse of the League of Nations.

MASTERS OF SCIENCE

BOTANY

Edward Suter Irwin, B.S., University of Vermont, 1940.

Thesis: Pine Needles and Their Relationship to Terminal and Diameter Growth of *Pinus Resinosa* Ait. and *Pinus Strobus* L.

MATHEMATICS

Heath Kenyon Riggs, B.S., University of Vermont, 1940.

Thesis: A Generalized Concept of Asymptotes.

PHYSICS

Channing Leach Adams, B.S., University of Vermont, 1940.

Thesis: The Effect of Temperature in the Coefficient of Recombination in a Selenium Crystal As the Solid Conductor.

MASTERS OF EDUCATION

Howard Scott Allen, B.S., Wooster, 1938.

George Kelton Bicknell, B.S., Vermont, 1929.

Gertrude Elizabeth Branon, Ph.B., Vermont, 1923.

Donald Wesley Brewster, B.S., New Hampshire, 1933.

John Thomas Conway, B.S., Vermont, 1928.

Grace Margaret Durling, B.S., Temple, 1917.

Edith Mae Hewitt, A.B., Michigan, 1914.

Henry Everett Hunt, B.S., Middlebury, 1929.

George Matheson MacKenzie, B.S., Vermont, 1933.

Justus Newton Perrin, A.B., Middlebury, 1926.

Theodore Dearborn Sargent, B.S., Vermont, 1934.

William C. Sterling, A.B., New Hampshire, 1931.

Raymond Benson Steward, B.S., Maine,
1917.

Lewis Julius Streeter, B.S., University of
New Hampshire, 1932.

Elwin Holbrook Twombly, A.B., Clark,
1931.

Beatrice Whitney Wilbur, A.B., Boston
University, 1907.

DEGREES HONORIS CAUSA

DOCTOR OF LAWS

Albert Edward Wiggam

DOCTOR OF DIVINITY

Vincent Ravi Booth

DOCTOR OF SCIENCE

Clayton Roberts Orton

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

SECOND LIEUTENANTS, INFANTRY RESERVE CORPS, UNITED STATES ARMY

Clarence Vernon Akley, Lyndonville

Norman Joshua Boyden, Jr., Burlington.

Wilbert Leon Conrad, Jr., Morrisville.

Clark Edward Corliss, St. Albans.

Melvin Albert Hawes, Fitchburg, Mass.

Harvey Hart Hubbard, St. Albans

Clark Gillette Miller, West Springfield,
Mass.

James David Neill, Randolph.

John Holden Pratt, Jr., North Clarendon.

Sherburn Clyde Searl, Jr., Ludlow.

Glenn Clayton Streeter, East Concord.

Elmer Leonard Trefren, Lyndonville.

Robert Wolfe, Burlington.

Hazen Francis Wood, Randolph.

Allen Chandler Moore, (To be commis-
sioned upon completion of Infantry
School Course), Burlington.

SECOND LIEUTENANT, QUARTERMASTER CORPS RESERVE, UNITED STATES ARMY

Robert Lackie Carlson, South Ryegate.

SECOND LIEUTENANT, CHEMICAL WARFARE RESERVE, UNITED STATES ARMY

Russell Leland Clark, North Springfield.

SECOND LIEUTENANT, SIGNAL CORPS RESERVE, UNITED STATES ARMY

Peter Stanley Czachor, Center Rutland.

SECOND LIEUTENANT, ENGINEER CORPS RESERVE, UNITED STATES ARMY

Robert Douglas Paterson, Barre.

SECOND LIEUTENANTS, AIR CORPS RESERVE, UNITED STATES ARMY

Donald Lincoln Moran, Jericho.

Donald Milburn Sheldon, West Springfield,
Mass.

HONOR LIST, COMMENCEMENT, 1942

ACADEMIC HONORS

MAGNA CUM LAUDE

Fulvio Bardossi
 Barbara Ruth Bishop
 Chester William H. Partridge

George Hazen Stickney
 Waino Wiljo Suojanen

CUM LAUDE

Lillian Elsie Aronson
 Mildred Edna Belville
 Leicia Annette Black
 Russell Leland Clark
 Douglas Putnam Dana
 Marguerite Julia Doheny
 Flora Elizabeth Fifield
 Miriam Louise Fiske
 Gloria Oling Frank
 Myrna Gertrude French
 Nora Eunice Hill

Charles Itzkowitz
 Joyce Kenyon
 Pearl Towne Marvin
 Hilda Leona Paquette
 Judith Perry
 Milton Paul Reiser
 Hester Doris Rice
 Sanford Savin
 Robert Charles Steinman
 Sarah Adelaide Wilson
 Addie Joyce Woodruff

SPECIAL HONORS

ENGLISH

Fulvio Bardossi.

Thesis: American Humanism.

Myrna Gertrude French.

Thesis: The Influence of Chaucer, Milton, and Spencer on Keats

POLITICAL SCIENCE

Anne Hale Bottomley.

Thesis: Employee Organizations in the Federal Service.

Jerome Carmine Ditore.

Thesis: State Planning.

Roger Bryant Hunting.

Thesis: The Requisition of Ships in Wartime.

ZOOLOGY

Robert Charles Steinman.

Thesis: Some Factors Affecting Red Blood Cell Counts in Mice of Genus *Peromyscus*.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

HONOR GRADUATE

Harvey Hart Hubbard, 42.

THE LOYAL LEGION AWARD

Robert Lackie Carlson, '42.

PRIZES

ACADEMIC

THE GEORGE H. WALKER DAIRY PRIZE

For Conspicuous Merit in Dairy Husbandry Studies and for Character.

John Holden Pratt, Jr., '42.

THE ELWIN L. INGALLS 4-H PRIZE

In honor of Elwin L. Ingalls, for Outstanding Merit in 4-H Club work, Character and Scholarship.

Lucille Vian Clark, '42.

THE THOMAS BRADLEE PRIZE

In Memory of Thomas Bradlee, for High Scholarship and Character.

Arnold Chauncey Smith, '42.

THE A. ATWATER KENT PRIZE

Given in Electrical Engineering for Progress in Judgment, Development of Personality, and Promise of Success.

George Hazen Stickney, '42.

THE EDMUND F. LITTLE CUP

Given for Excellence in Mechanic Arts.

Donald Milburn Sheldon, '42.

THE EMERSON PRIZE IN HISTORY

In memory of Professor Samuel Franklin Emerson.

Jean Margaret Davison, '44.

THE GERMAN LITERARY PRIZE

Awarded by the Goethe Lodge of Burlington for General Excellence in German.

Samuel Ziskind, '43.

THE FRED T. KIDDER MEDAL

Awarded for Character, Leadership and Scholarship.

Fulvio Bardossi, '42.

THE RUSSELL O. SUNDERLAND MEMORIAL TROPHY

Awarded for qualities of Character, Leadership and Persistence in overcoming obstacles—traits outstanding in the life of Russell O. Sunderland, '38.

John Joseph Spasyk, '42.

THE WASSON ATHLETIC PRIZE

In Memory of Dr. Watson L. Wasson, '01, for Scholarship and Athletic Attainment.

Robert Lackie Carlson, '42.

THE ATHLETIC COUNCIL MANAGERIAL PRIZE

Awarded to that Major Sport Manager deemed most proficient.

Peter Stanley Czachor, '42.

Donald Lincoln Moran, '42.

KIRBY FLOWER SMITH LATIN PRIZE

Margaret Newcomb Fake, '44.

EDWARD PAGE BUTLER DEBATING PRIZES

Awarded for Proficiency in Debate.

First: Frances Ferguson Donahue, '45.

Second: Ruth Kimball Jordan, '45.

Third: Faye Ruth Lipman, '43.

ROBERT ASHTON LAWRENCE DEBATING PRIZES

Awarded for Proficiency in Debate.

First: Julius George Cohen, '42.

Second: Daan Marsh Zwick, '43.

Third: Fulvio Bardossi, '42.

THE HANNAH G. SOLOMON PRIZE

Awarded by the Burlington Section of the National Council of Jewish Women to the Senior woman who has exhibited in the highest degree the qualities of Scholarship, Leadership, and Service.

Myrna Gertrude French, '42.

COMMENCEMENT OF THE COLLEGE OF MEDICINE AND THE ARTS-MEDICINE BACCALAUREATES, COLLEGE OF ARTS AND SCIENCES

SATURDAY, JUNE 13, 1942

COLLEGE OF ARTS AND SCIENCES**BACHELORS OF SCIENCE**

Lawrence Martin Agan, Bennington.

Robert William Agan, Bennington.

John Loring Costello, Rutland.

Joseph Charles Creed, Rutland.

Harriet Pearson Dustan, Craftsbury Common.

Mary Lorraine Gannon, Fairfield.

Robert Seamon Goldberg, Burlington.

Gerald Leon Haines, Barre.

Donald Holden Harwood, Dorset.

Edward Allen Keenan, Jr., Burlington.

William Musicant, Burlington.

Stanley John Pekala, Amherst, Mass.

John Madison Perry, Plainfield.

James David Sawyer, St. Albans.

Roger Frederick Smith, Waitsfield.

Robert Donald Wakefield, Burlington.

John Joseph Zellinger, St. Albans.

COLLEGE OF MEDICINE

DOCTORS OF MEDICINE

Bertrand Joel Andrews, Middlebury.
 Donald Louis Bashaw, B.S., Winooski.
 Paul Norman Berry, B.S., Richmond.
 John Sanbourne Bockoven, A.B., W. Los Angeles, Calif.
 Myer Harold Boyarsky, B.S., Burlington.
 Peter Demosthenes Corsones, B.S., Rutland.
 John Alexander Davidson, A.B., St. Albans.
 Otley Leland Dugan, Lowell.
 Robert Byron Dugan, B.S., Lowell.
 Frank Dayton Eddy, B.S., Burlington.
 Dean Harding Edson, W. Lebanon, N. H.
 Richard Francis Farrell, B.S., Shelburne.
 Christian Gronbeck, Jr., B.S., E. Barnet.
 Frank Edward Harrigan, Jr., B.S., W. Hartford, Conn.
 James Howard Kelleher, B.S., Montpelier.
 John Edward Kennedy, B.S., Adams, Mass.
 Avery Parsons King, B.S., St. Albans.

Robert Larner, B.S., Burlington.
 Emery Othello Lewis, B.S., Montpelier.
 Leon Robert Lezer, B.S., Websterville.
 John Prentiss Lord B.S., Brattleboro.
 Frederick Powers McIntyre, B.S., Brandon.
 Ernest Lee Mills, B.S., Burlington.
 George Bernard O'Connell, Jr., B.S., Lewiston, Me.
 Robert Graham Paterson, B.S., E. Craftsbury.
 Albert Francis Snay, Jr., B.S., White River, Jct.
 Edward Chapman Stannard, A.B., Fair Haven.
 Ernest Philip Tomasi, B.S., Montpelier.
 Maurice Traunstein, Jr., B.S., Allston, Mass.
 Horatio Paul Wakefield, B.S., Burlington.
 Charles Flagg Whitney, Jr., B.S., Burlington.

MILITARY DEPARTMENT

FIRST LIEUTENANTS—MEDICAL RESERVE CORPS

Bertrand Joel Andrews, Middlebury.
 Donald Louis Bashaw, B.S., Winooski.
 Paul Norman Berry, B.S., Richmond.
 John Sanbourne Bockoven, A.B., W. Los Angeles, Calif.
 Myer Harold Boyarsky, B.S., Burlington.
 Peter Demosthenes Corsones, B.S., Rutland.
 Otley Leland Dugan, Lowell.
 Robert Byron Dugan, B.S., Lowell.
 Frank Dayton Eddy, B.S., Burlington.
 Dean Harding Edson, W. Lebanon, N. H.
 Richard Francis Farrell, B.S., Shelburne.
 Christian Gronbeck, Jr., B.S., E. Barnet.
 Frank Edward Harrigan, B.S., W. Hartford, Conn.
 John Edward Kennedy, B.S., Adams, Mass.

Avery Parsons King, B.S., St. Albans.
 Robert Larner, B.S., Burlington.
 John Prentiss Lord, B.S., Brattleboro.
 Frederick Powers McIntyre, B.S., Brandon.
 Ernest Lee Mills, B.S., Burlington.
 George Bernard O'Connell, B.S., Lewiston, Me.
 Robert Graham Paterson, B.S., E. Craftsbury.
 Edward Chapman Stannard, A.B., Fair Haven.
 Ernest Philip Tomasi, B.S., Montpelier.
 Maurice Traunstein, Jr., B.S., Allston, Mass.
 Horatio Paul Wakefield, B.S., Burlington.
 Charles Flagg Whitney, Jr., B.S., Burlington.

NAVY DEPARTMENT

LIEUTENANT, JUNIOR GRADE

John Alexander Davidson, A.B., St. Albans.
 James Howard Kelleher, B.S., Montpelier.
 Leon Robert Lezer, B.S., Websterville.

Albert Francis Snay, Jr., B.S., White River Jct.

HONORS IN MEDICINE—1942

CUM LAUDE

Maurice Traunstein, Jr., B.S.
 Robert Larner, B.S.
 Christian Gronbeck, Jr., B.S.
 Richard Francis Farrell, B.S.
 John Edward Kennedy, B.S.

WOODBURY PRIZES IN MEDICINE

*For greatest proficiency in Clinical Work
 in senior year*
 Edward Chapman Stannard, A.B.
*To sophomore having the highest standing
 for two years of Medical Work*
 Alan Davidson, A.B.

CARBEE PRIZE

*For greatest proficiency in the subject of
 Obstetrics*
 John Alexander Davidson, A.B.
 Frank Dayton Eddy, B.S.
 Albert Francis Snay, Jr., B.S.

NU SIGMA NU MERIT AWARDS

*To the outstanding student in the junior
 class*
 Richard Berry Hadley, A.B.
*To the outstanding student in the freshman
 class*
 Donald Holden Harwood

SUMMER COMMENCEMENT

SATURDAY, AUGUST 22, 1942

CANDIDATES FOR GRADUATION

ELEMENTARY EDUCATION

BACHELORS OF EDUCATION

Beatrice Main Hutcheson, Corinth.
 * Eleanor Jane Lewis (*MusEd*), St. Albans, † Jeannette Cornelia May, Williston.
 * Frances Mae Machia, Essex Junction. † William Edward Wilson, Lyndonville.

COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN HOME ECONOMICS

† Katherine Therese Kyle, Brandon. ‡ Mary Frances Ruder, Schenectady, N. Y.
 † Jean Storer Mann, Hempstead, N. Y.

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF SCIENCE IN COMMERCE AND ECONOMICS

* Hester Kehoe, Rutherford, N. J.

* As of the Class of 1941.

† As of the Class of May 18, 1942.

‡ As of the Class of 1940.

BACHELORS OF SCIENCE

Charles Raymond Bannon, Glens Falls,
N. Y.

* Harry Cyril McNamara, Valatie, N. Y.

* Melvin Herbert Small, Burlington.

BACHELOR OF PHILOSOPHY

† Gilman Belcher Rood, St. Albans.

ADVANCED DEGREES

MASTERS OF ARTS

EDUCATION

Louise Christina Miller, M.S., Syracuse, 1941.

Thesis: Variability of the Music Interests and Attainments on the Different Grade Levels in the Elementary School.

Janet Katherine Shoemaker, A.B., Lynchburg, 1941.

Thesis: A Study of the Correlation of English Composition and Reading Efficiency.

Edward Fuller Wheeler, B.S., Northeastern, 1934.

Thesis: Administrative Problems Relative to the Development of an Audio-Visual Program in Public School Systems.

ENGLISH

Margaret Rita Donovan, B.S., Boston University, 1934.

Thesis: Jane Austen and Her Background.

HISTORY

Leon Nathan Hill, B.S., Vermont, 1935.

Thesis: A Study of Puerto Rico Under the Rule of the United States.

LATIN

Ethyle Renee Wolfe, A.B., Vermont, 1940.

Thesis: The Treatment of the Trojan Cycle in Ovid.

MASTERS OF SCIENCE

CHEMISTRY

Jack Lewis Towle, B.S., Vermont, 1939.

Thesis: The Syntheses of Some Carbohydrate Derivatives of Sulfanilamide and Diamino Diphenyl Sulfone.

HOME ECONOMICS

Ruth Margaret Myers, B.S., Cornell, 1940.

Thesis: A Study of Some Factors in the Retail Food Stores of Vermont Communities of Various Sizes.

* As of the Class of May 18, 1942.

† As of the Class of 1941.

ZOOLOGY

Lorraine Bertha Cushman, A.B., New York State Teachers College, 1930.

Thesis: A Comparative Study of the Leucocytes in *Peromyscus* and in Man.

MASTERS OF EDUCATION

- | | |
|---|--|
| Charles Phillips Boright, B.S., Vermont, 1928. | Ruth Lucile Marckres, PH.D., Vermont, 1925. |
| Truman Lloyd Butterfield, A.B., Miami University, 1915. | Milton George Moore, B.S., Connecticut State, 1926. |
| Ernest Melvin Coddling, B.S., Vermont, 1931. | Gertrude Ford Munson, A.B., William Smith College, 1917. |
| Margaret Rita Donovan, B.S., Boston University, 1934. | Charles Philip Nason, A.B., University of Maine, 1931. |
| Stella Hughes Durkee, ED.B., Castleton, 1936. | Russell Everett Nims, B.S., Massachusetts State, 1930. |
| Grace Margaret Durling, B.S., Temple University 1917. | Edna Herridon Park B.S., Vermont, 1932. |
| Ralph Avery Eaton, B.S., Norwich, 1932. | William Harry Pelkey, B.S., Columbia, 1928. |
| Porter Claude Greene, B.S., Vermont, 1928. | Llewellyn Roberts, A.B., Middlebury, 1929. |
| James Louis Gunn, B.S., Springfield College, 1931. | Thomas Headley Skirm, A.B., Wesleyan University, 1931. |
| Wendell Oliver Harding, A.B., Dartmouth, 1936. | Rupert John Spencer, B.S., Norwich, 1929. |
| Clifford Frank McLure, B.S., Middlebury, 1934. | Leon Edward Wagner, B.S., Boston University, 1939. |
| | Catherine Amy Wilcox, A.B., Vermont, 1914. |

HIGH STANDING LISTS

BASED ON GRADES FOR MAY, 1942

GROUP A

(No grades below 92)

Class of 1945

Ruth K. Jordan, *SEd*
 Shirley E. Needham, *HE*
 Eva L. Pestle, *HE*
 Beatrice M. Thompson, *LS*

Class of 1944

D. L. Clark, *EE*
 J. O. Corliss, *GS*
 H. E. Crossley, Jr., *ME*
 Ione E. Lacy, *HE*
 Mary U. Lindsay, *Spec **
 F. Jean Vogler, *MusEd*

* Less than fifteen hours.

GROUP B

(No grades below 82)

H. V. Atherton, <i>Ag.</i>	Elaine S. Anderson, <i>LS</i>
Virginia L. Bingham, <i>LS</i>	Rhoda M. Baldwin, <i>Cb</i>
M. C. Blodgett, <i>ME</i>	Constance A. Bray, <i>ElEd</i>
Barbara A. Burnham, <i>Sec</i>	Carolyn D. Brown, <i>SS</i>
Joyce E. Byington, <i>ElEd</i>	Ruth H. Buttles, <i>Sec</i>
Priscilla Clark, <i>HE</i>	C. E. Carver, Jr., <i>CE</i>
Francelia M. Connor, <i>HE</i>	Norma I. Charest, <i>HE</i>
P. H. Crandall, <i>PM</i>	M. N. Dana, <i>Ag</i>
Rose S. Eisman, <i>GS</i>	Jean M. Davison, <i>Cl</i>
Barbara M. Fiske, <i>HE</i>	Margaret E. Delano, <i>LS</i>
H. D. Frank, <i>SS</i>	Alice S. Dyer, <i>HE</i>
Phyllis M. Hardy, <i>HE</i>	Helen P. Ells, <i>SEd</i>
F. A. Harrington, <i>PM</i>	Margaret N. Fake, <i>Cl</i>
A. C. Holden, <i>EE</i>	J. P. Folopulos, <i>SS</i>
Ruth A. Holmes, <i>HE</i>	S. S. Fieber, <i>GS</i>
B. M. Kaye, <i>PM</i>	Selma Fienberg, <i>Sec</i>
Helen B. Kirby, <i>ElEd</i>	R. Fitzsimmons, <i>Ag</i>
Freda Koble, <i>GS</i>	Julia B. Fletcher, <i>ElEd</i>
Helen A. MacKenzie, <i>ElEd</i>	Zelva Flowers, <i>Cl</i>
Jean M. MacKenzie, <i>ElEd</i>	Alma L. Gaylord, <i>HE</i>
Kathryn I. Marcott, <i>ElEd</i>	Ramona D. Hathorn, <i>HE</i>
Patricia S. Maxfield, <i>PM</i>	L. N. Hazen, <i>PM</i>
Marian L. Melby, <i>HE</i>	Erika N. Heininger, <i>HE</i>
Marjorie J. Nutting, <i>HE</i>	Mary F. Hoag, <i>ElEd</i>
Constance M. Pratt, <i>ElEd</i>	H. W. Jones, <i>EE</i>
Frances E. Saladino, <i>HE</i>	W. T. Lane, <i>MusEd</i>
Glendeen M. Samuelson, <i>ElEd</i>	Margaret E. T. Lillie, <i>SS</i>
Vesta M. Stevens, <i>Cl</i>	Margaret McElfish, <i>LS</i>
F. C. Webster, <i>Ag</i>	M. L. McLean, <i>ME</i>
Ruth P. Willard, <i>ElEd</i>	G. Manhein, <i>PM</i>
	R. L. Norton, <i>SS</i>
	R. F. O'Grady, <i>EE</i>
	Mary Perry, <i>LS</i>
	Carolyn A. Phelps, <i>MusEd</i>
	Helen D. Potter, <i>ElEd</i>
	J. W. Reed, <i>ME</i>
	Elizabeth A. Richards, <i>SS</i>
	P. L. Schoenberg, <i>GS</i>
	Ruth True, <i>Cl</i>
	Rosemary K. Warren, <i>Cl</i>
	Virginia Wight, <i>SS</i>
	Winifred M. Wisley, <i>MusEd</i>

The Alumni Council

This organization was formed May 1, 1920.

The object of the Council is to advance the interest, influence and efficiency of the University of Vermont; to strengthen the relations between the alumni and the University; to encourage sufficient class organization; to keep the public informed in regard to the University; to keep before the various preparatory schools of the country the advantages of the University of Vermont as an educational institution; to aid and assist in the establishment of alumni associations and promote their interests, to report from time to time to the Board of Trustees of the University any facts and recommendations by the Council deemed material or for the interests of the University; to act as a medium that may make known the ideas of the alumni to the University, and wishes of the University to the alumni; to keep in touch with the undergraduate activities and to act in an advisory capacity through the Executive Committee and office of Alumni Council to such of the undergraduates as may desire to consult it in reference to their occupations after graduation and for that purpose to keep in as close a touch as possible with the demands of the country's professional, business and industrial needs and to supervise and conduct the nomination and election of Alumni Trustees of the University of Vermont.

The Alumni Council is composed of one member from each of the fifty classes last graduated, one member from each active alumni club and twenty members at large, one-half of such members at large being women.

PRESIDENT—Maurice L. Kelley, '17, 8 Baldwin St., Montpelier, Vt.

SECRETARY—Isabelle Y. Gallup, 530 North St., Burlington, Vt.

ALUMNI OFFICE—Waterman Bldg., Burlington, Vt.

CLASS REPRESENTATIVES

1893 Frank R. Wells, 185 Summit St., Burlington, Vt.

1894 Arthur C. Crombie, The A. C. Lumber Co., 220 East 42nd St., New York City.

1895 M. Shaler Allen, 76 South Ave., New Canaan, Conn.

1896 Joseph Benjamin Kidder, Pittsford, Vt.

1897 Albert E. Lewis, Waterman Building, Rms. 1001-1003, 44 School St., Boston, Mass.

1898 Helen G. Hendee, 37 Clark St., Burlington, Vt.

1899 Carl B. Brownell, 70 Robinson Ct., Burlington, Vt.

The Alumni Council

209

- 1900 Dr. Julius E. Dewey, Veterans Adm. Facility, Castle Point, N. Y.
- 1901 Samuel S. Dennis, Waterman Building, Rms. 1001-1003, 44 School St., Boston, Mass.
- 1902 Harry P. Hudson, 423 Furman St., Schenectady, N. Y.
- 1903 Hollis E. Gray, 61 South Willard St., Burlington, Vt.
- 1904 Elmer E. Gove, Shelburne Rd., Burlington, Vt.
- 1905 Walter H. Washburn, Box 134, Windsor, Vt.
- 1906 Robert L. Whipple, 4 Wheeler Ave., Worcester, Mass.
- 1907 Charles H. Covey, 224 Cooper St., Ottawa, Ont., Can.
- 1908 William L. Blanchard, 49 South Ave., Melrose Highlands, Mass.
- 1909 William L. Gardner, 17 Overlake Pk., Burlington, Vt.
- 1910 Albert Valentine Kieslich, 167 North Ave., Burlington, Vt.
- 1911 Dr. Robert Leland Maynard, 289 College St., Burlington, Vt.
- 1912 Albert L. Gutterson, 49 Cherry Hill, Springfield, Vt.
- 1913 Everett I. Soule, St. Albans, Vt.
- 1914 Seth P. Johnson, 297 Broadway, Chicopee Falls, Mass.
- 1915 Major Harold A. Mayforth, Oakwood Manor, 1211 Far Hills Ave., Dayton, Ohio.
- 1916 Morris Wilcox, 60 Wells St., Burlington, Vt.
- 1917 Henry T. Way, Porter Screen Co., Winooski, Vt.
- 1918 George C. Stanley, 86 Loomis St., Burlington, Vt.
- 1919 Phillips M. Bell, 247 South Prospect St., Burlington, Vt.
- 1920 Jesse E. Squires, 44 Caroline St., Burlington, Vt.
- 1921 Mrs. Ruth Harrington Lane, 39 Cliff St., Burlington, Vt.
- 1922 Lawrence F. Killick, 26 Converse Ct., Burlington, Vt.
- 1923 Bartholomew Francis Garrity, 191 Loomis St., Burlington, Vt.
- 1924 Richard D. Aplin, 121 Winslow Rd., Waban, Mass.
- 1925 Thomas D. Cook, 101 Robinson Ct., Burlington, Vt.
- 1926 Olney W. Hill—Military Inactive.
- 1927 William M. Lockwood, 44 Overlake Pk., Burlington, Vt.
- 1928 Kenneth H. Gurney, Hillcrest Rd., Burlington, Vt.
- 1929 Constans M. Holden, 257 South Union St., Burlington, Vt.
- 1930 Mary E. Waddell, 31 South Prospect St., Burlington, Vt.
- 1931 Frederick J. Reed—Military Inactive.
- 1932 James W. Marvin, South Burlington, Vt.
- 1933 James E. Bigelow, Bellows Falls, Vt.
- 1934 Donald J. Tobin, 301 Maple Ave., Bellefonte, Wilmington, Del.
- 1935 Richard Woodard—Military Inactive.
- 1936 Mrs. Mary Whitney Rowe, 272 Pearl St., Burlington, Vt.
- 1937 Mrs. Sally Carr Matthews, Brewer Pky., South Burlington, Vt.
- 1938 Donald B. Carpenter—Military Inactive.
- 1939 Mrs. Priscilla Savage Watt, 19 Strickland Rd., Coscob, Conn.

- 1940 Mary C. Nelson, Chatham Hall, Chatham, Va.
1941 Jane Allen, 385 South Willard St., Burlington, Vt.
1942 Joanna J. Metcalf, Waterbury, Vt.

MEMBERS-AT-LARGE

Term Expires 1943

- 1906 H. Morton Hill, 38 Harrington St., Newtonville, Mass.
1895 Harry C. Shurtleff, 128 State St., Montpelier, Vt.
1917 Mrs. Margaret M. Loudon, 199 South Union St., Burlington, Vt.
1921 James R. Jennings, Riverside, Conn.

Term Expires 1944

- 1894 Mary R. Bates, 41 N. Willard St., Burlington, Vt.
1919 Willis R. Buck, 414 Colchester Ave., Burlington, Vt.
1908 Harold F. French, 371 Main St., Winchester, Mass.
1915 Mrs. Mabel Watts Mayforth, Oakwood Manor, 1211 Far Hills Ave., Dayton, Ohio.

Term Expires 1945

- 1913 Mary Jean Simpson, 61 N. Prospect St., Burlington, Vt.
1914 David W. Howe, 385 S. Prospect St., Burlington, Vt.
1924 J. Hervey Macomber, Jr., 94 Church St., Burlington, Vt.
1895 Philip J. Ross, Manhattan Life Bldg., 120 West 57th St., New York City.

Term Expires 1946

- 1905 Fred B. Wright, 195 Broadway, New York City.
1928 Howard A. Prentice—Military Inactive.
1914 James H. Moore, 9 East 38th St., New York City.
1909 Thomas J. Mulcare, 414 Mt. Auburn St., Cambridge, Mass.

Term Expires 1947

- 1915 Leon W. Dean, 308 S. Prospect St., Burlington, Vt.
1915 Hovey Jordan, 449 S. Prospect St., Burlington, Vt.
1917 Maurice L. Kelley, 8 Baldwin St., Montpelier, Vt.
1925 Lyman S. Rowell, 38 Cliff St., Burlington, Vt.

CLUB REPRESENTATIVES

Out-of-State

- Greater Boston—Henry Semans, '24.
Southern California—Mrs. Blanche M. Corley, '17.

Chicago—Donald A. Gannon, '25.
 Hartford Alumnae—Erminie L. Pollard, '24.
 Hartford Alumni—Frederick S. Harris, '22.
 New York Alumni—Merton C. Robbins, Jr., '28.
 New York Alumnae—Eleanor K. Koenig, '31.
 New York Medical Alumni—Dr. Allen M. Margold, '25.
 Western New York Alumni—Louis C. Dodd, '98.
 Washington, D. C.—Mrs. Mary Spargo Pryor, '30.
 Worcester County—Ralph E. Minckler, '15.

Vermont

Addison County—Arthur B. Delano, '11.
 Burlington Alumni—Lawrence F. Killick, '22.
 Burlington Alumnae—Dorothy M. Dickinson, '30.
 U. V. M. Medical—Dr. Peter P. Lawlor, '20.
 Caledonia County—James B. Campbell, '09.
 Bennington County—Walter C. Wood, '16.
 Franklin and Grand Isle Counties—Robert W. Ready, '24.
 Lamoille County—Mrs. Priscilla S. Davison, '23.
 Orleans and Essex Counties—Roger D. Whitcomb, '38.
 Rutland County—Walter Belding, '11.
 Springfield, Vt.—Dr. Paul C. T. Bacon, '33.
 Washington and Orange Counties—Harris R. Metcalf, '17.
 Windham County—Edmund M. Root, '17.
 Windsor County—Robert M. Bent, '35.

Appendix

Established Loan Funds, Scholarships, and Prizes

LOAN FUNDS

THE JEDEVINE FUND was established by the late Allen E. Jedevine as a memorial to his son, Cornelius A. Jedevine, who died before his plan of entering college was realized. The specific purpose of this fund is to aid poor and deserving young men in Vermont in obtaining the advantages of a liberal education. The fund now amounts to more than twenty-seven thousand dollars.

THE LANDON FUND was established by the late Susan W. Landon in memory of her brother, the late Sealand W. Landon, a member of the Class of 1874, who was for many years a well-known school principal. This fund, amounting to ten thousand dollars, is loaned for the benefit of deserving men and women and is subject to such regulations as may be established by the executive committee of the Board of Trustees.

THE MARY A. SHAW AND FANNY E. SHAW LOAN FUND was established by Mrs. Willard Pope, daughter of Mary A. Shaw, for the benefit of women students of the University and is subject to the usual conditions. The fund amounts to three thousand five hundred dollars.

THE CONSOLIDATED LOAN FUND is made up of the Class of 1924 Fund, the Class of 1925 Fund, the Emergency Loan Fund, the Julia I. Bates Fund, the Student Loan Fund, the B. F. Taylor Fund, the New York Alumni Fund of November, 1927, the Edmund Seymour Fund, the Kidder Loan Fund and the Lydia M. Blood Loan Fund. These consolidated funds amount to more than twenty thousand dollars.

THE STEVENS LOAN FUND, given in memory of the late Horace E. Stevens of the Class of 1870, is available only to students in the College of Engineering. The fund amounts to two thousand dollars.

THE MARY GRAVES FUND amounting to seven thousand two hundred dollars is available as a loan fund for women. It is the gift of the late Annette Fiske Mereness, in memory of her mother.

THE ASA FISKE LOAN FUND was established by the late Annette Fiske Mereness in memory of her father. It amounts to seven thousand two hundred dollars and is available to young women.

THE ANNETTE FISKE MERENESS LOAN FUND is for the benefit of women students subject to the regular University regulations. The fund amounts to more than twelve thousand seven hundred dollars.

THE CARBEE LOAN FUND of four thousand dollars was established by the late Mrs. May D. Carbee of Haverhill, N. H., in memory of her husband, Moses Dyer Carbee, M.D., of the Class of 1873. This fund is for the benefit of deserving students of the College of Medicine subject to the usual rules governing loan funds.

THE MEDICAL COLLEGE LOAN FUND, amounting to thirty-three hundred dollars, is available for loans to students enrolled in the College of Medicine.

THE EMILY AND THOMAS TELFER LOAN FUND, established by Mrs. Thomas Telfer of Berkeley, California, is administered in accordance with the usual regulations. The fund amounts to twenty thousand dollars.

THE CLASS OF 1923 LOAN FUND, amounting to four hundred dollars, is available under the usual regulations to students of the Academic Colleges.

THE CHARLES D. AND CARRIE D. ORDWAY LOAN FUND was received at the death of the donor, Charles D. Ordway in 1933, invested in real and personal property which has since been in process of sale. The fund may amount to more than twenty-six thousand dollars. It is not at present available for loan to students.

THE MARY MAUD PATRICK LOAN FUND, amounting to two hundred eighty-five dollars, was established by Epsilon Sigma as a memorial to the late Mary Maud Patrick for the benefit of students in curricula in elementary education.

THE CLASS OF 1929 LOAN FUND was established in 1936 and is loaned to students of the academic colleges under the usual regulations. The fund amounts to more than five hundred dollars.

THE WOMEN'S STUDENT HEALTH COUNCIL LOAN FUND, amounting to about six hundred dollars, is loaned to women, designated by the Dean of Women and the Director of the Department of Physical Education for Women, under special regulations as to interest and repayment.

THE LADIES OF THE FACULTY LOAN FUND, amounting to eight hundred sixty dollars, is available to deserving and needy girls attending the University. The awards are made by a committee of the Ladies of the Faculty. Not more than fifty dollars is loaned to any one girl.

THE JOSEPH LAWRENCE HILLS LOAN FUND is in process of establishment by the friends of Dean Hills, who completed fifty years of service to the University in 1937. The fund now amounts to more than seventeen hundred dollars.

THE CHARLES H. BAYLEY LOAN FUND, amounting to ten thousand dollars, was established in 1937 and increased in 1939 by gifts of Laura Morse Bayley in memory of her husband.

THE HENRY BIGELOW SHAW LOAN FUND, amounting to three thousand dollars, was established in 1938 by Mrs. Willard Pope in memory of her brother, the late Henry Bigelow Shaw of the class of 1896. The fund may be loaned, under certain restrictions, to young men who have been graduated from the University and who wish to study at Harvard University Law School.

THE JOHN H. AND MARY A. BLODGETT LOAN FUND, amounting to thirty-five thousand dollars, was established in 1938 by bequest of Mary A. Blodgett late of Rockingham, Vermont. It may be loaned to worthy Vermont boys and girls who are enrolled in any curriculum offered by the University. Preference is to be given to graduates of the Kurn Hattin and Warner Memorial Homes of Westminster and Saxtons River and to students who are residents of the town of Rockingham. The interest charge is to be four per cent during college residence and for one year after leaving and five per cent thereafter until the loan is repaid, subject, however, to modification in particular instances at the discretion of the Loan Fund Committee. Except as indicated above the usual regulations regarding administration of loan funds apply.

THE PHI BETA KAPPA LOAN FUND is in process of establishment. Six hundred dollars is now available for loan to members of the senior class, preference being shown to applicants who are members of the society.

THE AMERICAN AGRICULTURIST RESEARCH FOUNDATION LOAN FUND, amounting to three hundred dollars, is available to Juniors and Seniors in Home Economics on recommendation of the Dean of the College of Agriculture.

THE BERTHA M. TERRILL LOAN FUND is now in process of establishment. Nearly four hundred dollars is now available for loan to women enrolled in the University, preference being shown to those registered in the Home Economics curriculum.

THE BARNES FUND, established by bequest of the late Reverend Stephen G. Barnes, provides limited assistance to needy students who wish to attend inspirational religious conferences. The income of the one thousand dollar endowment is available as a loan or gift.

SCHOLARSHIPS

THE LIZZIE P. ALLEN SCHOLARSHIPS, four in number, founded in 1900 by Lizzie P. Allen, a descendant of Ira Allen, founder of the University.

THE BARNARD SCHOLARSHIPS, six in number, founded in 1903 by the bequest of Rev. Lucius E. Barnard of the Class of 1853.

THE ELIZABETH F. BRIGHAM SCHOLARSHIPS, four in number, founded in 1910, available first for students from Brigham Academy.

THE DR. FRED CARPENTER SCHOLARSHIP. Preference is given to sons of clergymen and physicians.

THE CLASS OF 1861 SCHOLARSHIP, endowed and made available in 1891.

THE CLASS OF 1881 SCHOLARSHIP, endowed in 1937 by William H. Rice, a member of that class.

THE JOHN H. CONVERSE SCHOLARSHIP, founded in 1882, by John H. Converse, '61, of Philadelphia.

THE LIZZIE S. CONVERSE SCHOLARSHIP, founded by bequest of Sarah Elizabeth Converse, of Burlington, for poor and deserving students in the Classical Department.

THE CRAFTSBURY SCHOLARSHIP, founded in 1900, for the benefit of relatives of Mr. and Mrs. Nathan S. Hill, or residents of Craftsbury or Isle La Motte.

THE FRANCIS WHELPLEY HICKOK SCHOLARSHIPS, three in number, founded in 1902, by Mrs. Julia F. Hickok, wife of James W. Hickok of the Class of 1837, in memory of a son, a member of the Class of 1871.

THE LOUISA H. HOWARD SCHOLARSHIPS, five in number, founded in 1882, by Miss Louisa H. Howard, of Burlington.

THE CHARLES HOYT SCHOLARSHIPS, two in number, founded in 1904.

THE ISLE LA MOTTE SCHOLARSHIP, founded in 1884, by Nathan S. Hill, of Burlington, for the benefit of students from Isle La Motte and, failing such, from Craftsbury.

THE SARAH B. JACOBS SCHOLARSHIPS, seven in number, founded in 1882, by Mrs. Sarah B. Jacobs, of Boston, for the benefit of graduates of Brigham Academy only.

THE EDITH BLANCHE KIDDER SCHOLARSHIPS, five in number, were established by the late Joseph W. Kidder, and became available in 1936. These scholarships are for students in the College of Medicine, preference being shown to legal residents of Barre, Vt.

THE ROBERT J. KIMBALL SCHOLARSHIP, founded in 1900, by Hon. Robert J. Kimball, of Randolph, for the benefit of the students from Randolph. The Trustees of Randolph High School may make nominations for this scholarship.

THE CELINDA A. B. LILLEY SCHOLARSHIPS, ten in number, founded in 1880, for the benefit of women students.

THE CHARLES MUNSON MARSH SCHOLARSHIP, founded in 1893, for the benefit of students from Woodstock.

THE CHARLES P. MARSH SCHOLARSHIPS, five in number, founded in 1893 for the benefit of worthy young men and women from Windsor county.

THE EDWIN WRIGHT MARSH SCHOLARSHIP, founded in 1883, by Charles P. Marsh, of the Class of 1839, of Woodstock, in memory of his son of the Class of 1872, for the benefit, in the first instance, of students from the town of Weathersfield or from Windsor county.

THE MORETOWN AND MIDDLESEX SCHOLARSHIPS, two in number, founded by the Rev. E. C. Bass, '59.

THE JUSTIN S. MORRILL SCHOLARSHIP, founded in 1900, by Senator Justin S. Morrill, of Strafford, for the benefit of students from Strafford.

THE JOHN ORDRONAUX SCHOLARSHIPS, nine in number, founded in 1909, for the benefit of students in the Colleges of Medicine, Arts, Engineering and Agriculture.

THE PARKER SCHOLARSHIP, founded in 1880, by Rev. Charles C. Parker, D.D., of the Class of 1841, in memory of himself and his son, Charles Edmund Parker, '67.

THE MINNIE A. PICKERING SCHOLARSHIPS, six in number, became available in 1938.

THE CHARLES W. RICH SCHOLARSHIP, founded in 1883, by Charles W. Rich, Esq., of the Class of 1836, of St. Albans, for the benefit of students in the College of Arts and Sciences.

THE SAMUEL SIDNEY SMITH SCHOLARSHIP, founded in 1896, by bequest of Mrs. Elisa Smith, of Burlington, in memory of her husband.

THE SOPHIA STOW SCHOLARSHIPS, two in number, endowed in 1937 by bequest of George L. Stow, '73, in memory of his mother, are available to students enrolled in the Classical Curriculum.

THE DANIEL WASHBURN SCHOLARSHIPS, nine in number, founded by Daniel Washburn, M.D., of Stowe, for the benefit of young men studying for the Christian ministry, or, in default of such applicants, of other deserving young men.

THE WESTFORD SCHOLARSHIP, founded in 1882, by Hon. Luke P. Poland, LL.D., of St. Johnsbury. This scholarship is available first to students from the town of Westford.

THE JOHN A. S. WHITE SCHOLARSHIP FUND, now yielding three scholarships, was established by a bequest from John A. S. White, of Northfield,

for the benefit of needy students from Washington county or from the State of Vermont.

THE FRANKLIN BALDWIN SCHOLARSHIP FUND of more than five hundred dollars, established in 1915, is available to students from Putney. The award is made on the basis of character and scholastic record.

THE REUBEN CLARK BENTON SCHOLARSHIPS, two in number, established under the will of Reuben Clark Benton, of Minneapolis, Minnesota, a native of Waterford, Vermont, and a boyhood resident of Lunenburg, Vermont, for the benefit of students from Waterford, Lunenburg, or Minneapolis.

THE ADA S. BLAIR FUND of two thousand five hundred dollars, received in 1926 is held in trust for scholarships.

THE MARCIA P. BROWN SCHOLARSHIP FUND amounts to eighteen thousand, nine hundred dollars, the income of which is "to be used and expended for the education of a young woman, who, so far as can be judged, promises to become a woman whose life will be of more than usual benefit to humanity and a credit to the University." If the young woman chosen does not need the entire income of the fund, the remainder may be used for another young woman "who needs and merits it." It is stated in the terms of the gift that "this income is not to be given as a charity or a premium for poverty, but as an honor for ability and strength and elevation of character." The selection of the beneficiary or beneficiaries of this fund is left to a committee of awards consisting of the President of the University, the Dean of Women and one trustee to be elected by the Board of Trustees.

THE EZRA HOYT BYINGTON SCHOLARSHIP, eighty dollars annually, founded in 1905, for the benefit of students from Hinesburg or students bearing the name of Byington, Boynton, Hoyt, or Wortman, or in some way related to these families.

THE SARAH L. BURRITT SCHOLARSHIP, the income from a fund of two thousand five hundred dollars is used toward paying the tuition of a deserving young woman student.

THE EMEROY N. BURRITT SCHOLARSHIP, the income from a fund of two thousand five hundred dollars is used toward paying the tuition of a deserving young woman student.

THE MOSES D. CARBEE SCHOLARSHIP is awarded to a deserving student in the College of Medicine. This scholarship was established by a bequest of three thousand dollars from the late Mrs. May D. Carbee, of Haverhill, N. H., in memory of her husband, Moses Dyer Carbee, M.D., of the Class of 1873.

THE PHILIP HENRY CREER SCHOLARSHIP, founded by Ex-Gov. Redfield Proctor, for the benefit of students from Proctor. This scholarship is awarded by the donor.

THE CHARLES H. HOOD SCHOLARSHIPS are provided from a private trust fund established for the purpose by the late Dr. Charles H. Hood of Boston. Each scholarship has a value of two hundred dollars. The number available each year is announced by the Dean of the College of Agriculture, who awards them to students who are candidates for a degree in agriculture in accordance with definite restrictions suggested by the donor. High scholastic standing is essential.

THE LYNDON INSTITUTE SCHOLARSHIP, endowed by George E. P. Smith of the Class of 1897, is awarded annually to a graduate of Lyndon Institute of high character and promise. The selection is made by the faculty of Lyndon Institute and is renewed annually through the Senior year if good progress is made by the recipient.

THE WILLIAM G. SHAW SCHOLARSHIP was originally founded in 1892 by bequest of one thousand dollars by the late Hon. William G. Shaw, of Burlington, of the Class of 1849. The fund has since been increased to six thousand dollars by Mr. Shaw's daughter, Mrs. Willard Pope of Detroit, Mich., who awards the scholarship.

THE SOLDIERS' SCHOLARSHIP FUND was founded by a group of Civil War veterans for the benefit of students in any college of the University who are descendants of soldiers in the Civil War.

THE JOHN AND MARY WATERMAN SCHOLARSHIP of two hundred dollars annually, endowed in 1923 by the late Charles W. Waterman, of the Class of 1885 in memory of his father and mother, is available under special restrictions to residents of Waitsfield, Vermont, or Denver, Colorado. The scholarship is awarded by the President of the University.

THE HATTIE LAURA WETHERBY WESTON SCHOLARSHIP FUNDS consists of a five thousand dollar scholarship endowment for men and an equal one for women. They became available in 1936 by bequest of the late Mrs. Hattie Laura Wetherby Weston. The income is awarded to one or more deserving men; an equal amount, under similar conditions, to women.

THE NEW YORK ALUMNI ASSOCIATION SCHOLARSHIP is awarded to a student from New York or vicinity. The amount of this scholarship is five hundred dollars a year. Three hundred dollars of this sum is given for tuition and the balance is loaned, and bears a low rate of interest after the recipient has left College. This scholarship is awarded by a committee of the New York Alumni Association.

WILBUR SCHOLARSHIPS. The University of Vermont Trust Fund, amounting to over one million dollars, was established by the late James B. Wilbur

of Manchester, Vt., as an endowment for scholarships for Vermont students who are in need of assistance to undertake college work and who have earned entrance or college records that indicate extraordinary scholastic ability. From the data presented in annual applications, tentative awards for the ensuing college year are made, in accordance with the conditions of the trust by a Committee of the Trustees during the month of July. The second semester allotments are reviewed at mid-year and confirmed or denied on the evidence of the scholastic record of the previous semester. Preliminary statements concerning scholastic ability must be submitted with the request for an application blank.

THE MARGARET PATTERSON MCDANIELS SCHOLARSHIP FUND was established in 1941 by a bequest from the late George N. McDaniels of Los Angeles, California, in memory of his mother. The scholarships derived from the income of the endowment are for needy and deserving students, preference being shown to applicants who reside in the towns of Craftsbury and Greensboro. The fund amounts to more than ninety-three thousand dollars.

SEARS-ROEBUCK SCHOLARSHIPS, five of \$120 each, are awarded annually to incoming freshmen in Agriculture, on the basis of need, character, scholastic ability, etc.

CHITTENDEN COUNTY FARM BUREAU SCHOLARSHIPS, two of \$100 each, were awarded in the Fall of 1942 to an outstanding farm boy and farm girl, resident of the county, who enrolled as Freshmen in Agriculture and Home Economics respectively, by the Farm Bureau.

WIRTHMORE SCHOLARSHIP, \$100 is awarded annually to a 4-H member who has done outstanding work in 4-H dairy or dairy feeding projects.

RUSSELL MILLER MILLING COMPANY SCHOLARSHIPS. Two annual educational scholarships of \$100 each, known as the "Occident Flour 4-H Club Scholarships" are available to 4-H Club girls who have done high quality work in Home Economics projects for three years or more.

PRIZES

THE BENEDICT ESSAY PRIZE was established by the late Robert Dewey Benedict of the Class of 1848, who gave three hundred dollars, the income of which is offered as a prize yearly to the member of the Senior class presenting the best essay on the subject of "International Arbitration." The prize is awarded following examination.

THE BENNETT ESSAY PRIZE was endowed by the late Philo Sherman Bennett of New Haven, Connecticut. The fund of four hundred dollars

yields an annual prize which is awarded at Commencement for the best essay "discussing the principles of free government."

THE BRADLEE PRIZE FOR SCHOLARSHIP AND CHARACTER, given in memory of the late Thomas Bradlee, Director of the Agricultural Extension Service from 1913 to 1931, may be awarded annually by vote of the Faculty of the College of Agriculture to that student of either sex in such College, in the Senior or Junior class who has maintained scholarship rank of conspicuous merit, and who has, at the same time manifested high traits of character.

THE BUTLER DEBATING PRIZES were endowed by the late Edward Page Butler of the Class of 1879, who left the sum of one thousand two hundred dollars, the income to be used for the promotion of extemporaneous debate. From the income of this fund three prizes have been established. These prizes may be awarded annually on recommendation of the head of the English Department to the three women students of the University who have shown the greatest ability in debate. The balance of the income, together with the amounts of any prizes that may not be awarded, will be expended in furthering debating.

THE CARBEE MEDICAL PRIZE of three thousand dollars was established by the late Mrs. May D. Carbee, of Haverhill, N. H., in memory of her husband, Moses Dyer Carbee, M.D., of the Class of 1873. The income from the fund is given annually at Commencement to the student in the College of Medicine who shows the greatest proficiency in the subject of obstetrics.

THE CONVERSE PRIZES IN COMMERCE AND ECONOMICS were established by the late John Heman Converse of the Class of 1861, by gift of a fund of one thousand dollars, the income from which may be used in whole or in part for one, two or three prizes. Any amount not awarded will be used for books and magazines for the Department of Commerce and Economics. The prizes are awarded on recommendation of the head of the department following presentation of a thesis of merit on some approved subject in the field of commerce and economics.

THE EMERSON PRIZE IN HISTORY is offered annually at Commencement to perpetuate the scholastic memory of the late Samuel Franklin Emerson, who retired as Emeritus Professor of History in 1923 after forty-two years of service to the University. The prize is awarded to an undergraduate for the best original essay on any topic chosen from any field of history. Essays are not limited as to length but must be type-written, double space, on white paper 8½ by 11 inches in size. Each essay is to be signed by a fictitious name, the identification of which must be given in an accompanying sealed envelope bearing on the outside

the fictitious name which was used. All essays considered in the competition must reach the Department of History by April 15. The department will submit the best essays for a selection for award, to an outside judge, who may withhold the prize if no essay submitted reaches a sufficiently high standard.

THE HOWARD PRIZES were provided by the late Mrs. Hannah T. Howard, of Burlington, who left by will one thousand two hundred fifty dollars, the income of which is awarded in prizes, to students in the College of Arts and Sciences for excellence in the work of the freshman year.

THE ELWIN LEROY INGALLS PRIZE is provided from a fund established in 1934 to honor Elwin Leroy Ingalls, of the Class of 1896, who had then completed twenty years of continuous service as State 4-H Club Leader. It is awarded annually by the 4-H Club Department of the Vermont Extension Service to a University student of outstanding merit as shown in character, 4-H Club record and scholastic attainment in college.

THE KENT PRIZE IN ELECTRICAL ENGINEERING was established by A. Atwater Kent, of Philadelphia. The fund of five thousand dollars provides an income which is awarded as a prize by the faculty of the College of Engineering, under the following conditions:

"The income of the fund is to be awarded as a prize each year at Commencement to that member of the Senior class in Electrical Engineering who, during his Junior and Senior years, in the opinion of the Faculty teaching Electrical Engineering, has shown the greatest progress in judgment and general grasp of the broad principles of Electrical Engineering and in development of personality and who shows the greatest promise of success in this Field."

The names of the winners of this prize are placed on a tablet given by Mr. Kent and located in the Williams Science Hall.

THE KINGSLEY PRIZES IN ELOCUTION are provided annually to Freshmen and Sophomore men for the best declamations of passages of oratorical prose. There are three prizes, the first being twenty-five dollars, the second, fifteen dollars and the third, ten dollars. These prizes were given for many years by the late Darwin P. Kingsley of the Class of 1881, and have recently been continued by Mrs. Kingsley.

THE LAWRENCE DEBATING PRIZES were established by Edwin Winship Lawrence, of the Class of 1901. The first group of prizes is established in memory of the donor's brother, Robert Ashton Lawrence, '99, and is offered annually to students who, in the judgment of the English department of the University, exhibit the greatest proficiency in debate. The one thousand dollar fund provides three annual prizes.

The second group of prizes, established in memory of the donor's brother, Robert Ashton Lawrence, '99, and his father, George Edwin Lawrence (Middlebury College '67), will be awarded to the three students participating in a joint debate between representatives of the University of Vermont and Middlebury College, who in the opinion of the judges chosen show the greatest proficiency in this debate. These prizes are derived from an endowment of one thousand dollars.

If debating ceases at the University, the income from these funds may be used to assist worthy students.

THE PHELPS PRIZE IN CIVIL ENGINEERING is derived from a fund of more than nine hundred dollars. It was endowed in memory of the late Edward Haight Phelps of the Class of 1872, by his father, the late Edward J. Phelps. The prize may be awarded by the faculty of the College of Engineering each year at Commencement to a graduate of that year in Civil Engineering who shall have exhibited conspicuous merit in professional studies, and high and noble traits of personal character. A special certificate will accompany the prize, indicating the conditions upon which it has been awarded. In the event that no award shall be made in any year, the same amount of money will be expended in the purchase of books on the subject of Civil Engineering for the use of the College of Engineering.

THE SEYMOUR HORTICULTURAL FUND, amounting to twenty-five hundred dollars, was given by William W. Seymour in memory of his father, Henry E. Seymour of the Class of 1835. The income from four-fifths of the fund is used for the Library of the Horticultural Department. The remainder of the fund provides annually a prize to that member of the Senior class who has done the best work in original horticultural research.

THE KIRBY FLOWER SMITH LATIN PRIZE is derived from a three thousand dollar fund established as a memorial to Kirby Flower Smith of the Class of 1884 and given by his wife. An award is made annually to the student having the highest standing in College Latin 2.

THE RUSSELL O. SUNDERLAND MEMORIAL TROPHY is awarded annually at Founder's Day to that man of the Senior class who throughout his college course has best exemplified those qualities of character, leadership and persistence in overcoming obstacles, which were outstanding traits in the life of the late Russell O. Sunderland of the class of 1938. This is a permanent trophy upon which the name of the recipient is engraved annually. The Boulder Society gives a suitable personal trophy to each student who receives the Sunderland Award.

THE GEORGE H. WALKER DAIRY PRIZE is derived from a permanent fund of two thousand dollars, donated by the late George H. Walker, Boston, Mass., one of the founders of the Walker-Gordon Milk Company. It is

awarded annually by faculty vote to a member of the graduating class of the College of Agriculture who has pursued a course either in Dairy Production or Dairy Manufactures, and who has shown conspicuous ability in the studies pertaining to Dairy Husbandry, and especially in milk production and marketing, and who furthermore exhibits high and noble traits of character.

In the event that no award is made by the faculty in any given year this income is spent for apparatus to be used for instructional purposes in market milk making or distribution, or for books dealing with Animal or Dairy Husbandry. The apparatus or books are marked as being derived from the George H. Walker Prize Fund.

THE WASSON ATHLETIC PRIZE is derived from an endowment of two hundred and fifty dollars, given by the late Mrs. Pearl Randall Wasson in memory of her husband, the late Dr. Watson L. Wasson, '01. The income of the fund is used for the purpose of giving a prize "to the member of the Senior class who has maintained the highest standard of academic scholarship and athletic attainment," as determined annually by the University Council.

THE ATHLETIC COUNCIL MANAGERIAL PRIZE of twenty-five dollars is awarded annually at Commencement to the senior sports manager who, in the judgment of the Athletic Council, has shown the greatest proficiency in performing the work of his office.

THE WOODBURY MEDICAL PRIZES are derived from a fund of one thousand dollars created by the late Mrs. Pauline S. Woodbury in memory of her husband, the late Dr. Urban A. Woodbury of the Class of 1859. The first prize is awarded annually to the student who, upon graduation, has shown the greatest proficiency in the clinical subjects in his Senior year. The second prize is awarded to that member of the Sophomore class, who has received the highest standing of the class in all subjects of the Freshman and Sophomore years.

THE MABEL NELSON JACOBS SCHOLARSHIP CUP is annually awarded to the custody of that sorority, the members of which have won the highest scholastic standing for the preceding year. The cup was provided by the late Mrs. H. J. Nelson in memory of her daughter, Mrs. Mabel Nelson Jacobs, of the Class of 1899.

THE KIDDER MEDAL is provided by the income of a fund of four hundred dollars, established in memory of the late Dr. F. T. Kidder, of Woodstock, an alumnus and trustee of the University. The specially engraved gold medal is awarded at Commencement to the male student ranking first in character, leadership and scholarship. The selection is made by a committee representing all the faculties.

THE B'NAI B'RITH PRIZE of twenty-five dollars is given annually by the Joseph Frank Lodge to that student at the University who in the opinion of the Committee on Religious Life has done most to encourage inter-faith cooperation and activities.

THE LOYAL LEGION SABER, a regulation commissioned officers' saber, suitably inscribed, has been presented annually since 1931 by the Vermont Commandery of the Military Order of the Loyal Legion to that student of the graduating class who attains the highest standing in the Reserve Officers' Training Corps.

THE SONS OF THE AMERICAN REVOLUTION MEDALS have been presented annually since 1933 by the Vermont Society, Sons of the American Revolution, one to the member of each class in the Reserve Officers' Training Corps who is outstanding in character, conduct, leadership, and in theoretical and practical knowledge of the year's course. These medals are of nation-wide standard pattern. The stated purpose of the award is to keep before the minds of the young men of today, in order that they may be encouraged to exemplify them in practice, those qualities and characteristics upon which our nation was founded and has been perpetuated.

THE AMERICAN LEGION TROPHY, a mounted silver shield, is annually awarded to the Reserve Officers' Training Corps company which shows itself to be the most proficient in attendance, neatness, set-up, and drill. The designation of the winning organization and the name of the company commander of that organization are annually inscribed upon the shield. The shield was presented by Burlington Post, No. 2, of the American Legion.

THE CRAIG TROPHY was donated to the University of Vermont by Major M. E. Craig, in honor of the 1936-1937 Rifle Team of the University of Vermont. Upon it, each year, is engraved the name of the man making the highest cumulative score throughout the year in the principal matches in which the University rifle team is a competitor. These competitions are The Hearst Trophy Match, The Corps Area Match and the matches in the New England League of the National Rifle Association. The award is announced annually by the Military Department. The trophy remains the property of the University of Vermont.

General Index

- Abbreviations, Key to, 72
- Activities, 62-63
- Accelerated Program, 7
- Administration, 10-39
 - Officers of, 25-28
- Admission, 65-70
 - Advanced Standing, 70
 - Elementary Education, 67-68
 - Enrollment, 70
 - General Statement, 65-66
 - Graduate Study, 53
 - Medicine, College of, 154-155
 - Methods of Selection, 65
 - Preliminary Registration Program, 69
 - Special and Unclassified Students, 69
 - Subjects Recommended, 66-67
- Agriculture, College of,
 - Admission to, 65, 67
 - Courses in, 144-153
 - Curricula in, 139-143
 - Graduates, 1942, 195, 204
- Agricultural Economics, 146
- Agricultural Education, 147
- Agricultural Engineering, 147
- Agricultural Experiment Station (See Experiment Station)
- Agricultural Extension (See Extension Service)
- Agricultural Philosophy, 148
- Agronomy, Courses in, 144
- Aid, Student, 49-50
- Alumni Council, 208-211
- Animal Husbandry, Courses in, 144-146
- Art, Courses in, 84-85, 101-102
- Arts and Sciences, College of,
 - Admission to, 65-66
 - Courses in, 84-126
 - Curricula in, 71-79
 - Graduates, 1942, 196-197, 202, 204-205
 - Objective, 73
- Athletic Field, 40
- Athletics, 58-59
- Attendance, Statistics of, 191-194
- Botany, Courses in, 86-87
- Buildings and Grounds, 40-43
- Business Curricula, 76-78
- Calendars, 5-6
- Camp, R. O. T. C., 162-163
- Camps, Engineering, 48, 129
- Chapel, Ira Allen, 41, 59
- Chapel Services, 59
- Chemistry, Courses in, 88-90
 - Curriculum in, 78-79
- Christian Associations, 59-60
- Civil Engineering, Courses in, 128-132
 - Curriculum in, 127
- Classical Languages, Courses in, 91-93
- Clubs, Student, 62-63
- "College Green", 40
- Colleges (See Agriculture, Arts and Sciences, Engineering, and Medicine)
- Commerce and Economics, (See Economics)
- Commercial Teaching Curriculum, 76-78
- Committees of the Trustees, 10-11
- Committees of the University Senate, 28
- Comparative Literature, Courses in, 93
- Conferences, Educational, 58
- Contents, 3-4
- Converse Hall, 41-42
- Cooperative Houses, 42-43
- Courses of Instruction, 84-126, 128-139, 144-153, 158-162
 - Methods of Numbering, 72
- Curricula, 71-84, 126-128, 139-143, 155-156
- Dairy Husbandry, Courses in, 144-146
- Deans, 11, 25-26
- Deans' Lists, 51
- Degrees, 52-56, 71-72, 194-206
 - Advanced, 53-56, 198-199, 203, 205-206
 - Conferred in 1942, 194-206
 - Fees for, 47
 - Honorary, 199
- Dentistry, 74-75
- Dining Halls (Women), 42-43
- Dormitories, 41-43
- Drawing (See Art)
- Economics, Courses in, 94-97
- Education
 - Agricultural, 147
 - Elementary, Courses in, 100-102
 - Elementary, Curriculum in, 67-68, 81-82
 - Elementary, Graduates in, 1942, 194-195, 204
 - Industrial, Courses in, 102-103
 - Industrial, Curriculum in, 83-84
 - Music, Curriculum in, 82-83
 - Secondary, Courses in, 98-100
 - Secondary, Curriculum in, 79-81
- Electrical Engineering, Courses in, 132-134
 - Curriculum in, 127-128
- Elementary Education (See Education)
- Engineering, College of,
 - Admission to, 65-66
 - Courses in, 128-139
 - Curricula in, 126-128
 - Graduates, 1942, 195-196
- Engineering Experiment Station, Staff of, 31-32
- English, Courses in, 104-107
 - Use of, 64
- Enlisted Reserves, 7
- Enrollment, 70

- Entrance Requirements
 (See Admission)
 Expenses, General, 43-49
 Experiment Station, Agricultural, 139
 Board of Control, 11
 Staff of, 29-31
 Experiment Station, Engineering, Staff of, 31-32
 Extension, Agricultural, 139
 Staff of, 32-35
 Extension, University, 56-57
 Faculty-Student Council, 60
 Fees and Tuitions, 43-49, 53
 Applied Music, 48
 Elementary Education, 44
 Engineering Summer Camp, 48
 Degree, 47
 Graduate Study, 53
 Laboratory, 45-47
 Music Education, 44
 Registration, 43
 Solid Geometry, 48, 134
 Special Students, 43-44, 69
 Student Activity, 44-45
 Summer Session, 48
 Tuition, 43-44
 Fellows, Research, List of, 24, 164
 Fellowships, Research, 53-54
 Fleming Museum, 41, 57
 Staff of, 28
 Forestry, Courses in, 148
 French, Courses in, 121-122
 Genetics, Course in, 149
 Geology, Courses in, 107-108
 German, Courses in, 108-109
 Government, Courses in
 (See Political Science)
 Grading System, 64
 Graduate Students, Lists of, 164-166
 Graduate Study, 53-56
 Graduates, 1942
 (See Degrees)
 Greek, Courses in, 91
 Health Service, 59
 High Standing Lists, 51, 206-207
 History, 40
 History, Courses in, 110-111
 Holidays, 6
 Home Economics, Courses in, 149-153
 Curricula in, 142-143
 Honor Courses (Arts), 51
 Honorary Degrees, Conferred in 1942, 199
 Honorary Societies, 61-62
 Honors, 50-51, 200-202, 204
 Horticulture, Courses in, 153
 Industrial Education
 (See Education)
 Infirmary (Women), 43
 Instruction, Courses of
 (See Courses)
 Officers of, 11-25
 Instructors, 20-24
 Ira Allen Chapel, 41, 59
 Italian, Courses in, 123
 Laboratory Fees, 45-47
 Latin, Courses in, 91-93
 Law, Preparation for, 76
 Lecturers, 24
 Liberal Arts Curriculum, 73-74
 Library Staffs, 27-28
 Loan Funds, 50, 212-214
 Master's Degrees (See Graduate Study)
 Mathematics, Courses in, 112-113, 134-135
 Mechanical Drawing, Courses in, 136
 Mechanical Engineering, Courses in, 136-139
 Curriculum in, 127-128
 Mechanics, 135
 Medical Technology, Preparation for, 74-75
 Medicine, College of
 Admission to, 154-155
 Bulletin of, 157
 Clinical Facilities, 157
 Curriculum, 155-156
 Fees, 48-49
 Graduates, 1942, 203
 Medico-Military Science, 162-163
 Military Science, 160-163
 Commissions Awarded, 1942, 199, 203
 Courses in, 162
 Faculty, 160
 Medical Corps Unit, 162-163
 Prizes, 201-202
 Reserve Officers' Training Corps, 7, 161-163
 Uniforms, 161-162
 Museum, Fleming (See Fleming Museum)
 Music, Courses in, 101, 113-115
 Applied, 114-115
 Fees for, 48
 Music Education Curriculum, 82-83
 Numbering of Courses, 72
 Nursing, Preparation for, 74-75
 Officers of Administration and Employees, 25-28
 Officers of Instruction, 11-25
 Organizations, 60-61, 126
 Osler Club, Fee, 44
 Painting (See Art)
 Phi Beta Kappa Society, 51
 Philosophy, Courses in, 115-116, 148
 Physical Education, Courses in,
 Men, 158-159
 Women, 159-160
 Physical Education, Departments of, 58-59, 158-160
 Physics, Courses in, 116-117
 Physiology, Courses in, 125-126
 Political Science, Courses in, 118-119
 Poultry Husbandry, Courses in, 146
 Pre-medical Preparation, 74-76
 Prizes, 219-224
 Awards, 1942, 201-202
 Professors, 11-19
 Psychology, Courses in, 119-120
 Publications, 63
 Public School Music
 (See Music)
 Refunds, 48
 Register, 163-207
 Register of Students, 163-194

- Registration
 - Fee for, 43
 - Of Freshmen, 69
 - For Graduate Study, 53
- Religion, Courses in, 120
- Religious Life, 59-60
- Reports, Scholastic, 63-64
- Research Fellows, 24, 164
- Reserve Officers' Training Corps (*See* Military Science)
- Romance Languages, Courses in, 121-123
- Room and Board, 41-43, 47
- Scholarships, 49-50, 54, 214-219
- Secretarial Courses, 96-97
 - Fee for, 43-44
- Secretarial Curriculum, 76-78
- Shop Practice, Courses in, (*See* Mechanical Engineering)
- Shorthand, Courses in, 96
- Sociology, Courses in, 124
- Southwick Memorial Building, 41, 59
- Spanish, Courses in, 123
- Special Students, Admission of, 69
- Stenography, 96-97
- Student Activity Fees, 44-45
- Student Aid, 49-50
- Student Government, 61
- Student Health Service, 59
- Student Union (Women), 60-61
- Students, List of, 164, 166-185
- Students in Residence, Statistical Summary, 191-194
- Studio Fees (*See* Laboratory Fees)
- Summer Session
 - Administration, 35
 - Announcement, 57-58
 - Faculty, 1942, 36-39
 - Graduate Students in, 164-166
 - Graduate Study in, 53
- Students, 1942, 185-191
- Tuition, 48
- Supervisors of Student Teaching, 25
- Teachers' Conference, 58
- Theology, Preparation for, 76
- Transfer (*See* Admission)
- Trustees, Board of, 9-11
 - Committees of, 10-11
- Tuition (*See* Fees)
- Typewriting, Courses in, 96
- Uniform, Military, Cost of, 161
- University and the War, 7-8
- Vacations (*See* Calendar)
- Veterinary Science, Course in, 153
- Waterman Memorial Building, 41
- Women, Physical Education for (*See* Physical Education)
- Women, Rooming, 42-43, 47
- Zoology, Courses in, 124-126

