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COLBY COLLEGE
BULLETIN



Annual Catalog Issue
May, 1952

Waterville, Maine

This issue of The Colby College Bulletin has been published for the purpose of setting forth information relating to formal requirements and regulations, the curriculum and personnel.

For general and descriptive information about the purpose and history of the college, extra-curricular life, and similar matters including photographs, the reader is referred to the illustrated booklet "About Colby" and to the Colby Gray Book.

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GENERAL INFORMATION



The Sloop Hero, in which Jeremiah Chaplin sailed from Boston in 1818 to become Colby's first president.

**GENERAL STATEMENT
OBJECTIVES
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CAMPUS FACILITIES
ADMISSION
REGISTRATION
ACADEMIC STANDING
GRADUATION REQUIREMENTS
SUMMER SCHOOL
FINANCES**

General Information

Corporate Name: The President and Trustees of Colby College

Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. Authorized to confer degrees by the first Legislature of Maine, June 19, 1820. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. First Commencement: 1822.

Independent College of Liberal Arts for Men and Women (women first admitted, 1871); non-sectarian, founded under Baptist auspices.

Degree Conferred: Bachelor of Arts. No other degrees in course and no graduate courses.

Enrollment: 600 men, 450 women. Faculty: 80.

Endowment: \$4,000,000. Library: 141,000 volumes.

Member of Association of American Colleges, New England Association of Colleges and Secondary Schools, College Entrance Examination Board. Approved by Association of American Medical Schools, American Association of University Women, Phi Beta Kappa Society.

Location: Waterville, Kennebec County, Maine.

Population, 18,000 Industries: Textiles, Paper. Junction point on Maine Central R. R.; regular stop for all express trains, Boston to Bangor. Airport with service of Northeast Air Lines. On U. S. Highway 201. Distance: from Portland, 80 miles; from Boston, 200 miles; from New York, 400 miles.

Objectives

According to the best authorities, the "liberal" arts are those worthy of a free man. Colby is a college of liberal arts in the sense that it tries to provide an education worthy of the man or woman who is free from the narrowing effects of provincialism and prejudice. It is dedicated without reservation to the aims of unrestricted inquiry and to the task of seeking the truth wherever it may be found. Realizing, however, that academic freedom from partisanship has too often served as an excuse for evading the responsibilities of action, those who administer the college have made a definite effort to provide the proper balance between the detachment of library and laboratory on the one hand, and on the other the decisive commitment that personal and social issues alike require.

The liberal arts college must reach out after truth for its own sake, since to seek it for any other purpose is to miss it. At the same time, the truth as men experience it is never completely detached, but appears always in a context where ends that are "practical" and "useful" play an important part. Colby College attempts to recognize this double aspect of the academic life by graduating students who, in Professor Whitehead's phrase, both know something well and can do something well.

Instruction at Colby is organized in four principal divisions: Languages, Literature and the Fine Arts, concerned primarily with acquainting the student with skills in expression and in the appreciative disciplines; Social Studies, in which the teaching is devoted to consideration of the problems of social environment and of man and his values; Sciences, the mission of which is to familiarize the students not only with the scientific method, but with scientific progress as a great international enterprise; Health and Physical Education, a division devoted to nurturing and conserving physical vitality as a guaranty of eager, interested learning.

LECTURES

One outstanding type of educational opportunity outside the classrooms is found in the visits of notable scholars, lecturers and artists to Colby each year. The Averill Lecture Series is unique in that it brings to the campus men of renowned scholarship not merely for a lecture, but for a visit of two or more days during which the students and faculty in his field of learning have the privilege of meeting and talking with him informally. These lectures are held on an average of once a month. The Gabrielson series of lectures in government provides one lecture a week during the second semester by a person prominent in public life.

MUSIC

The Colby-Community Symphony Orchestra, composed of students and townspeople, under the direction of Dr. Ermanno Comparetti of the college faculty, gives at least two concerts a year. The Glee Club offers a rewarding experience for those who seriously enjoy vocal music. The educational value of these activities is recognized by the granting of academic credits to those who participate regularly after the first year's trial period.

What was formerly the Colby Concert Series has now become a community enterprise and brings to Waterville each year a series of notable musical events.

RELIGION

Throughout the century and a quarter of its history Colby has been a Christian college maintaining and cherishing its religious heritage. It was founded under Baptist auspices, and throughout the decades the College has received much of its leadership and support from the Baptists. In turn, it has given many outstanding leaders to the denomination. The original by-laws of the College, however, in a spirit of tolerance which

was remarkable for those days, specified that the College should be non-sectarian in practice.

By every means consistent with its belief in religious liberty Colby seeks to develop the religious character of each student. Chapel services give opportunity for worship and reflection. The churches of Waterville welcome the close affiliation of Colby students. Sunday Chapel services give opportunity for students to hear messages by the College Chaplain and prominent visiting preachers. The activities of the Inter-faith Association and its several divisions give full play to the talents of all religious-minded students. Academically, the College offers attractive courses in Religion.

GUIDANCE

The guidance program for men students is directed by the Dean of Men, for women students by the Dean of Women. Upon arrival at the college, each student is assigned to one of a selected corps of freshman advisers, who helps the student select his academic program and make needed adjustments to college life. The adviser holds frequent conferences with the student throughout the freshman year, and is available at all times to help the student meet problems as they arise.

When the student selects his field of concentration, his adviser for the remainder of his college enrollment is a member of the department in which the concentration or major is taken. In the case of a pre-professional or a combined major, the adviser is the faculty member who heads the specified program.

A valuable member of the guidance staff is the College Chaplain, who is available for the same sort of advice for which the student would go to his own home pastor.

Employment placement for graduating seniors is handled by a committee under the direction of the alumni secretary.

This committee informs students about employment opportunities, arranges for interviews, and keeps a personnel file on each student.

Information concerning graduate work both in the professions and the arts and sciences is available at the office of the Dean of the Faculty, under whose direction the various tests demanded for admission to graduate and professional schools are conducted.

EXTRA-CURRICULAR LIFE

There is a full and varied complement of student activities which serve to enrich the campus life; included are athletics, musical clubs, outing club, Interfaith Association, several fraternities and sororities, and numerous clubs with specialized interests.

The Library

In the modern college the library is the focal point. On the Mayflower Hill campus of Colby College the Miller Library is at the center of the spacious architectural plan. Its lofty tower may be seen for many miles in all directions. It is the college's largest building, designed to meet library requirements for a century or more. Its immense reading room, with full southern exposure, its separate reserved book room, its Edwin Arlington Robinson Treasure Room, and its six tiers of stacks, all in charge of a competent and highly trained staff, serve the needs of the faculty and students.

There is continuous effort to improve and to expand the Library and to broaden its services. Not only does it supply materials for required and supplementary reading, for research papers and general information, but it also stimulates interest in recreational reading and in contemporary civilization. It compiles bibliographies, prepares exhibits and in the

Colby Library Quarterly makes available to the scholarly world the more distinctive materials that it contains.

In its courses in Bibliography the library staff offers a program of instruction designed to put students in touch with the resources of the Library and the mechanics of its operation. During Freshman Week, and by later cooperation with the Department of English, each new student becomes acquainted with the card catalog, the principal reference works and the basic bibliographical tools. Students look behind the scenes, not only noting the arrangements of reference and stack shelves, but also observing the technical processes of cataloging and classification.

The main collection of the Library, including rare books and manuscripts, contains more than 146,000 volumes, to which are added about four thousand volumes annually. The Library receives more than 300 periodicals, including many important publications from foreign countries, and is a partial depository for publications of the U. S. Government. It is one of a few libraries designated as a depository for the Army Map Service. The book collection is classified according to the Library of Congress system.

The Colby Library has achieved distinction through its special collections. Outstanding are the Thomas Hardy, Edwin Arlington Robinson, Sarah Orne Jewett, Henry James, and Book Arts collections. Of these the Hardy Collection numbers thousands of items and is the most complete and varied Hardy Collection in existence. The Library has been made the custodian of the books, manuscripts, and personal papers of Edwin Arlington Robinson, the most valuable Robinson Collection that can ever be assembled. The Book Arts Collection contains notable examples of outstanding book designers and presses. There is also a virtually complete collection of the more than four score editions of A. E. Housman's *A Shropshire Lad*; and there are collections of note of the writings of the early American economists, Mathew and Henry C. Carey; of the martyr in the cause of freedom of the press,

Elijah Parish Lovejoy; and writings of many productive scholars who have been associated with the life of the College. These collections, under charge of the Curator of Rare Books and Manuscripts, are housed in the beautiful Edwin Arlington Robinson Treasure Room.

The Colby Library Associates is an organization of alumni and friends of the College who have a particular interest in the Library and its work. Its object is to increase the resources of the Colby College Library. Membership dues are devoted to the purchase of special books, manuscripts, or other material which lie outside the scope of the Library's regular budget. The Associates have added to the Colby Library an impressive list of valuable bibliographic tools and rare collectors' items. The Associates also conduct meetings at the College from time to time during the year with programs devoted to various topics of interest to book lovers, and award annually the Library Associates Book Prize.

Campus Facilities

In September, 1952, the old campus in down-town Waterville will be completely abandoned and all functions of the college—academic, residential, and recreational—will take place on the new campus on Mayflower Hill, two miles outside the city.

The new site is proclaimed by visitors to be one of the most attractive college locations in America. On a height overlooking the city of Waterville and the winding valley of the Kennebec, the campus affords an expansive view of inland Maine. From the steps of the Lorimer Chapel one looks off to the Rangeley mountains in the west, and to the Dixmont and Camden Hills stretching to the Atlantic in the east. At one's feet stretch out the other twenty buildings of the new campus, the broad playing fields, the surfaced walks and roads and sparkling behind them all lie the placid waters of the campus lake.

The twenty-one buildings, all of Colonial brick architecture, have been placed according to a complete plan designed for a full century ahead. As other buildings are added, they will fit into the general plan, both architecturally and functionally.

The Miller Library is the focal point of the campus, its lofty tower making it the tallest building in Maine. Ultimately the entire building will be devoted to library and seminar purposes. At present, however, administrative offices occupy the first and second floors of the east wing, and there are several classrooms on the third floor. On the first floor of the west wing are the bookstore and spa. The library proper occupies the central part of the building and the second floor of the west wing, where is located one of the most attractive, naturally lighted reading rooms to be found in any college. In the rear of the building are six tiers of book stacks, supplied with elevator service.

The Lorimer Chapel is the gift of the late George Horace Lorimer, distinguished editor of the *Saturday Evening Post*, a member of the class of 1898, memorializing Mr. Lorimer's father, the renowned pastor of Tremont Temple in Boston for many years. This chapel is the college church, built in the style of the early New England meeting house, with raised pulpit, side galleries, and simple white pews. It crowns the western slope of the campus and overlooks all the other buildings.

The Men's Unit

In this unit are four dormitories, six fraternity houses, and the Roberts Union. Two large dormitories, each divided into three separate sections named for former presidents of the college, house those upperclassmen not living in the fraternity houses. Johnson and Averill Halls are dormitories for freshmen. Six fraternity houses provide residence for a limited number of the members of Delta Kappa Epsilon, Zeta Psi, Del-

ta Upsilon, Phi Delta Theta, Alpha Tau Omega, and Tau Delta Phi. Colby's two other fraternities, Lambda Chi Alpha and Kappa Delta Rho hope soon to add their houses to the group.

The Roberts Union provides dining facilities for all men residents at the college, headquarters for many undergraduate organizations, reading rooms and game rooms, banquet and meeting rooms, and extensive social facilities. A feature of the building is a student social center, called "Hangout," operated entirely by a student committee. The Union commemorates the name of Arthur Jeremiah Roberts, president of Colby from 1907 to 1927, and funds for its erection were contributed by more than 2,000 Colby men. The building is in charge of a resident director and his wife.

The Women's Unit

Five buildings comprise this unit. Four spacious dormitories of the latest design, with student rooms, social rooms, guest rooms, head resident's suite, and dining facilities provide campus homes for Colby women. The dormitories are named for women famed in Colby history: Mary Low, Louise Coburn, Eliza Foss, and Eleanora Woodman.

The Women's Union is both social center and gymnasium, the latter providing the focus for an extensive program of physical education and intra-mural athletics for women. The building is in the form of a T, the union proper forming the crossing and the gymnasium forming the upright. The gymnasium floor has a playing surface 101 by 54 feet, at the west end of which is a stage, making the room convertible into an auditorium for dramatics, lectures and assemblies.

In the union proper, the Martha Baker Dunn Lounge affords delightful facilities for receptions, concerts, small meetings, and art exhibits, while the adjoining Grace Coburn Smith lounge, with its useful kitchenette is the scene of many informal gatherings. The Illsley Room provides headquarters

for the Department of Music. The Lucille Jones Beerbaum room is a lounge for commuting students. On the top floor are sorority chapter rooms and staff apartments.

The Keyes Science Building houses the departments of Chemistry, Physics, Psychology, and Air Science. It is a memorial to the late Martin L. Keyes, inventor and industrialist of Fairfield, Maine. Funds were provided in a bequest by Mrs. Keyes, augmented by donations from Dr. George G. Averill of Waterville, business associate of Mr. Keyes. A feature of the building is the Averill Auditorium, fully equipped for motion picture projection and other visual aids to instruction, seating 200 persons. On the fourth floor is the Shannon Laboratory of Physics, a memorial to Col. Richard Cutts Shannon, Class of 1862, donor of the first science building on the old campus.

The Life Science Building houses the departments of Biology and Geology. It has separate laboratories and preparation rooms for each of the several branches of those sciences, modern equipment for the preservation, handling and display of life and mineral forms, and a lecture auditorium seating 150 persons.

The Gymnasium-Field House provides indoor athletic facilities. Here are two basketball courts and a cinder running track. Permanent spectator seating is afforded for 1,600 with opportunity for temporary bleachers for 800 more. The main structure is surrounded by a one-story extension containing offices, lockers and shower rooms. It is located at the north end of the campus across the road from the football field.

Athletic areas. A battery of 14 tennis courts was constructed on the new campus as a memorial to Walter M. Wales, who gave his life in World War II. Seven of the Wales Courts are built with an all-weather asphaltic composition for general use and the other seven, intended for team and tournament play, are of clay with a quick-drying red surfacing. The new

football field was dedicated in 1948 as Seaverns Field, in honor of Charles T. Seaverns, '01. The baseball field is named for "Colby Jack" Coombs, '06, one of the immortals of big league baseball. Beside the Women's Gymnasium is a playing field for outdoor sports, and a new hockey field for women has been constructed east of the dormitories. Several ski runs have been developed on the slopes of Mayflower Hill itself at the rear of the buildings, and the College has obtained exclusive use of the well-known Mountain Farm Ski Slope, one mile to the west.

The President's Home. This attractive house, built like the other buildings of the now familiar Colby brick, is the first building which the visitor encounters, as he approaches the campus from the city. The house is the gift of Dr. and Mrs. George G. Averill, and the decorations and furnishings of the spacious living room are the gift of Mr. and Mrs. Milroy Warren of Lubec, Maine, both of the Class of 1914.

HOW TO REACH THE MAYFLOWER HILL CAMPUS

Visitors coming by automobile will find the shortest route to the new campus to be the following: On U.S. 201 from Augusta, the driver enters Waterville by crossing the Kennebec River from Winslow. U.S. 201 takes him up Main Street through the business section to Post Office Square. At the traffic light there, with the post office on his left and the intersection of Main Street and College Avenue, with its Elmwood Hotel, directly ahead of him, he makes a left right-angled turn across the point of the post office triangle, and enters Center Street, with the Sears-Roebuck store on his left and the Esso filling station on his right. Then he simply keeps straight ahead to the Mayflower Hill campus.

Administrative Regulations

ADMISSION

The director of Admissions is responsible for the processing of all applications for entrance into Colby College, both from men and from women. All communications about admission should be directed to him.

Acceptance of candidates for admission is determined by a selective process during which character, health and personality are considered in conjunction with academic records. Interviews with a college official or representative graduate are required whenever it is possible to arrange them. The college reserves the right to select for admission those candidates who appear most likely to profit by attendance.

Admission requirements are both quantitative and qualitative, and have been determined for the purpose of evaluating applicants' preparatory schooling.

QUANTITY

In quantity of preparation fifteen units of acceptable work are required. A unit represents a course satisfactorily pursued in a secondary school, four or five periods a week, for one school year, with the exception that the three units of credit are allowed for four years of preparatory English. The minimum quantitative requirements are as follows:

English	3
Foreign Language	
Men	2 in one language
Women	3 in one language or 2 in each of two languages
Algebra	1
Geometry	1
History or Social Studies	1

Science	
Men	2 (if only 2 units of foreign language are presented)
Women	1
Electives	4 or 5 (number necessary to make a total of 15 units)

QUALITY

The quality of a candidate's competence and preparation will be judged by his school record, the recommendations of his principal and teachers, and his scores on certain tests administered by the College Entrance Examination Board.

College Board Tests

All applicants are required to take the Scholastic Aptitude Test. In individual cases the Director may require one or more of the subject-matter examinations, called achievement tests.

The College Board Tests are given five times a year at designated centers in each state. No applicant, in whatever part of the country he may live, need travel far to take the tests. At each testing period all tests are given on a single day. The morning is devoted to the Scholastic Aptitude Test in two sections, verbal and mathematical. That is the test which Colby requires of all candidates for admission. In the afternoon the candidate may take one, two, or three achievement tests, each one hour in length. Whether or not the Colby applicant takes any of these tests, and which ones he takes, depends upon his or her individual instructions from the Director. The Board offers achievement tests in the following subjects: English Composition, Social Studies, French Reading, German Reading, Latin Reading, Spanish Reading Biology, Chemistry, Physics, Intermediate Mathematics, Advanced Mathematics, and Spatial Relations.

Examination dates from May, 1952 to August, 1953 are

as follows:

Saturday, May 17, 1952
Wednesday, August 13, 1952

Saturday, December 6, 1952
Saturday, January 10, 1953
Saturday, March 14, 1953
Saturday, May 16, 1953
Wednesday, August 12, 1953

Arrangements For The Tests

Either from his preparatory school or from the College Entrance Examination Board, Box 592, Princeton, N. J., the application for whatever examinations the Dean at Colby College has told him he must take. The application is sent directly to the Board, not to the College, and must be accompanied by the required fee, which is \$6.00 for the morning aptitude test alone, \$8.00 for the afternoon achievement tests alone, or \$12.00 if both morning and afternoon programs are taken. The Board publishes a detailed Bulletin of Information, which is sent to all applicants for examinations.

Most of the larger, and some of the smaller secondary schools, maintain excellent guidance service, ready to assist students in making application for the College Board tests. In some schools the applications are collected and sent to the Board by a guidance officer. In any event, it is well for the student to consult his principal or guidance officer before submitting his formal application for Board tests.

When To Make The Tests

The earlier an applicant takes the Scholastic Aptitude Test the sooner will he receive notice of his acceptance or rejection. He is strongly advised to take the test not later than

January of his senior year in secondary school, and Colby College approves the increasing tendency in large high schools and boarding schools to have their college preparatory students take the test in May of junior year. Applicants are permitted to take the test in March of senior year, but their notices of acceptance or rejection must necessarily be delayed. Students who defer the test until May of senior year can be accepted only if the entering class has not been filled or if vacancies occur later.

ADMISSION PROCEDURE

1. Write to the Director of Admissions for an application form.
2. Fill out the form carefully and return it according to instructions. No payment is required with the application.
3. Await a letter of further instructions from the Director. If that letter instructs you to take any of the achievement tests, in addition to the Scholastic Aptitude test, you must arrange to take them, as stated in the foregoing section on College Board Tests.
4. As soon as possible, after the Director has all the information on your case, he will send you a letter of preliminary acceptance or of rejection. "Preliminary acceptance" means simply that you must complete your final year in secondary school with at least as good a record as you have maintained up to the time of your application. Final acceptance will be sent you after that satisfactory record is received.
5. If accepted, you must make the required deposit of \$25. No admission acceptance is validated until that deposit is received. It is not an extra charge, but is merely an advance payment on college expenses. It is not refundable.
6. Read carefully all notices which you receive from various

college offices between the time of your validated acceptance and your actual matriculation in September. These notices will cover such matters as board, room, details of registration, selection of freshman courses, health insurance, equipment, and finances.

BY TRANSFER

Admission by transfer from other colleges, including junior colleges, is limited to a few carefully selected students. A student wishing to transfer to Colby from another college should request and file a formal application for admission. After this application has been received, the student will be instructed to proceed as follows:

1. Make arrangements to take the College Transfer Test, given by the College Entrance Examination Board at centers throughout the nation on the same dates as the Board's regular admission tests.
2. Request the Registrar of his present or previously attended college to send an official transcript of his academic record at that college.
3. Request the Dean of that college to write a letter of personal recommendation.
4. Send to the Director of Admissions at Colby College a catalog of the college which he attended or is attending with the courses taken or in progress clearly marked.
Transfer students cannot be accepted for less than two years of residence at Colby.

GRADUATION REQUIREMENTS

The degree of Bachelor of Arts is the only degree-in-course conferred at Colby College. To qualify for this degree a candidate must meet certain specifications in quantity, quality, distribution and concentration.

QUANTITY

Twenty year-courses, or their equivalent in semester courses, regardless of the number of credit hours in excess of three for each semester course.

Two years of Physical Education.

QUALITY

A total of 26 quality points. For each half-course (or semester course) a mark of A entitles the student to three quality points, a mark of B to two quality points, and a mark of C to one quality point. No quality points are given for marks of D, E, or F.

DISTRIBUTION

1. English Composition (English 101, 102) in the freshman year.

Any student whose average in English 101, 102 is passing, but below 70, and whose low mark, in the opinion of the instructor is caused by deficiency in English usage, is required to take a course in corrective English Composition (English 205, 206) and must pass this course as a requirement for graduation.

2. Literature (English 201, 202) in sophomore year.
3. One year-course, or two sequence semester courses, in each of two of the following: Biology, Chemistry, Geology (not including Geography), Mathematics, Physics.
4. Three year-courses, or equivalent in sequence semester courses, selected from three different subjects in the Division of Social Sciences, provided that not more than one of the following courses may be counted toward this requirement: Air Science 121, 122; Business Administration 121, 122; History 121, 122; Religion 101, 102; Social Sci-

ence 101, 102; or any other course in the Division of Social Sciences which is open to freshmen.

5. A basic knowledge of one of the foreign languages taught at Colby. This requirement may be met in one of the two following ways:
 - (a) Passing an achievement examination designed to test the student's ability to read the foreign language proficiently.
 - (b) Successful completion of any year-course numbered above 101, 102 in a foreign language taken at Colby College.
6. For men students only: two years of Basic AFROTC (Air Science 121, 122; 221, 222).

All candidates for the degree are required to have been resident students at Colby College for at least two years, one of which must have included the senior year.

CONCENTRATION

Near the end of freshman year each student must elect a major, the field of study to which he wishes to devote his chief attention during subsequent college years. The major may be chosen in a single subject, such as English, Chemistry, History, or in one of a few designated combinations.

The respective academic departments specify those courses constituting a major in the department. Prior to selecting a major each student should acquaint himself thoroughly with the requirements of the proposed field. These requirements are stated immediately preceding the description of courses offered in each department.

Three-fifths of a student's program in junior and senior years may be determined by his major department, but need not consist wholly of courses offered by that department.

Each student is required to maintain a cumulative average of at least C in his major. Any student whose cumulative average in courses completed toward the major falls below C at the end of sophomore year or at the end of junior year is not permitted to continue with that major. Such a student may change to another major with the consent of the head of the department in which he wishes to attempt a new major; provided, however, that at the end of junior year a student can be accepted into a new major only if he has completed, with an average not lower than C, at least the equivalent of two year-courses which may be applied toward fulfillment of the new major. If, at the end of junior year, a student finds no department in which he can be accepted as a major, he cannot continue in college. If the work of senior year results in the cumulative average in courses completed toward the major falling below C, the major requirement shall be considered as not fulfilled and the degree shall be withheld.

In order to offer a subject major, a department is obligated by faculty regulation to require at least four year-courses or their equivalent in semester courses in a single subject.

COMBINED MAJORS

At present the only combined majors are those in American Civilization and in History-Government-Economics.

In order to offer a combined major, permitting a student to divide his concentration between two subjects, or among more than two subjects, a department must have each proposed combination approved by vote of the faculty. The following general regulations must be complied with:

1. A combined major in two subjects shall consist of a minimum of three year-courses or their equivalent in semester courses in each of the two subjects.
2. A combined major in three subjects shall consist of a minimum of three year-courses or their equivalent in semes-

ter courses in each of two of the subjects, and two year-courses or their equivalent in semester courses in the third subject.

3. A combined major in more than three subjects, built around an approved central theme, shall consist of a minimum of eight year-courses or their equivalent in semester courses, at least three of them being in one subject.

REGULATIONS

The rules respecting student residence, organizations, social activities and inter-collegiate athletics are published in the Colby Gray Book and Women's Handbook. All students are held responsible for knowledge of those regulations as well as for those which are published in the following paragraphs and in other sections of the catalog.

The Administration of the College is concerned fully as much with the social habits and character of the students as with academic standing. Students who are persistently negligent in their academic and social obligations, or who consistently violate regulations of the college or community, may be required to terminate their attendance. The College reserves the right to dismiss any student whose presence its officers believe to be detrimental to the general welfare, and such dismissal may be effected without the preferment of specific charges.

REGISTRATION

Students must register on assigned days at the beginning of each semester.

Registration consists of preparing and filing with the Recorder certain records in accordance with specific instructions issued at each registration period. For registration later than the date specified for a particular student for any registra-

tion period a fine of one dollar for each day of delay is charged on the student's semester bill, provided, however, that the maximum fine shall not exceed five dollars.

Normally no student will be permitted to register later than the tenth day after the first day of classes. The Recorder may permit registration later than the tenth day only if the Dean of Men or the Dean of Women certifies in writing that exceptional circumstances justify such registration.

Preceding registration for any semester a student must secure from the Treasurer's office a receipt for the required tuition fee and any other required advanced payments, and to gain permission to register he must present that receipt at the Recorder's office.

The Treasurer is not authorized to permit deferred payment of any fees concerning which the Board of Trustees requires advanced payment before registration. It is important that students shall understand the distinction between payment of fees and registration. These are two distinct procedures administered by two different offices of the College. Each student must complete the financial procedures preliminary to registration, as laid down by the Treasurer, before he can perform the act of registration at the Recorder's office.

ELECTION OF COURSES

In the spring of each year all students except seniors elect tentatively, with approval of advisers, programs of study for the ensuing year. These elections with approved revisions are confirmed during the two registration periods of the following year. A student's academic program must bear his adviser's approval and be properly filed with the Recorder, since credit will be suspended for work in a course for which a student is not correctly registered. A continuing student registering in the fall without election in the previous spring is fined \$2.00 for failure to make spring election.

With the approval of the adviser, voluntary changes in a student's program may be made during the first eleven calendar days of a semester, the first day of classes being considered the first day of the semester, and a fee of \$1.00 is charged on the semester bill for each such voluntary change. After the eleventh day no students will be permitted voluntarily to change from one course or section to another, but during a semester a student may drop a course and receive a mark of "Dr." provide both his adviser and dean consent. If the adviser and dean agree that a course may be dropped, but that it must be considered as having been taken and failed, the mark shall be "F." If a course is dropped without permission the student shall, in addition to receiving an "F" in the course, be placed on probation. A course dropped after receipt of mid-semester warning therein shall necessitate a mark of "F" instead of "Dr." for that course; likewise a course dropped within 30 days before last class.

With the consent of his adviser a student may elect one, but only one course in excess of the usual five courses, provided his over-all average in all courses taken in the previous semester is at least 70. Under no circumstances is a student permitted to pursue more than six courses in any one semester.

If, on the insistence of his adviser or of the department concerned, a student repeats, as an extra course, any course which he has already passed, he shall not be charged an extra course fee; but such a student shall not be permitted to carry such a course in addition to six courses.

A student who has failed a year-course may not secure credit for it by repeating merely the second semester of the course, even if his tentative mark at the end of the first semester was passing. He must repeat the entire year if he is to get credit for that particular course. By definition a year-course is one which has no finally recorded mark until the end of the year and no credit until the final mark is recorded.

The tentative mark, showing the student's progress in a year-course at the end of the first semester, is not a permanent record and carries no credit toward graduation.

WITHDRAWAL

Voluntary withdrawal from the College may be effected officially only by filing with the Recorder a "Notice of Withdrawal," a form which may be obtained from the office or one of the deans. No refund will be paid by the Treasurer until he has received from the Recorder the formal "Notice of Withdrawal" and in computing refund the date on the official withdrawal notice shall be considered the date of withdrawal. A student who withdraws from college and neglects to effect official withdrawal until later cannot collect refund for the elapsed interval.

SPECIAL STUDENTS

Subject to limitation of enrollment in individual courses and the consent of the instructors thereof, the College permits adult persons to enroll as special students to take not more than three courses. Such persons must present evidence that they are qualified to pursue the intended courses, and they must pay the regular per-course tuition fee. They are not required to pay the Student Activities Fee.

AUDITING COURSES

Colby students are permitted to audit courses for which they are not registered by obtaining consent of the instructor, their adviser and their dean. They are not charged an auditing fee.

Adults who are not students of the College are permitted to audit courses at a fee of \$5.00 each semester for each audited course, provided they obtain the consent of the instructor and of the Dean of the Faculty. Members of the college staff

and their families may audit courses without charge.

Permission to audit courses will usually be withheld if the class is already too large and if auditing applications for it are numerous.

An auditor is not permitted to participate in class discussion, submit papers, or perform any other function for which course credit is usually given.

When entering the course the person must decide whether he is to be an auditor or is to take the course for credit. Under no circumstances can academic credit be given to an auditor, nor can he later convert an audited course into an accredited course merely by paying the regular course fee.

ACADEMIC STANDING

A student's class standing is determined by the number of half-courses (or semester courses) he has passed. Freshman standing, from none to eight half-courses; sophomore, from nine to eighteen; junior, from nineteen to twenty-eight; senior more than twenty-eight.

At the end of the first half of each semester the faculty issues, through the Recorder's office, mid-semester warnings. A major warning means that a student's standing at that time is below passing; a minor warning that, while passing, it is so low as to indicate final failure of the course is possible.

At the end of each semester the faculty issues, through the Recorder's office, course marks. These marks are reported to students in letters according to the following scale:

A — 90 to 100 B — 80 to 89 C — 70 to 79 D — 60 to 69
E — 50 to 59 (for first half-semester of year-courses or designated "E" courses.)

There is no fixed method of computing the final mark in a course; the final examination must, however, count not more than half in the total computation.

The first semester mark in a course designated as a year-course is only a tentative mark. For designated year-courses no credit is given until completion of the full year's work, and there is only one final mark for the entire year.

A mark of "F" means that a course has been failed and that the credit hours thus lost must be made up by an additional course in some subsequent term. If the failed course is specifically required for the degree, it must be repeated.

A mark of "Abs." indicates that a student has been absent from final examination. Such mark must be made up as soon as possible after the beginning of the following term, and before the close of such term. After the expiration of one term a mark of "Abs." is changed to "F."

A mark of "Cr." indicates that a student has been awarded credit but no specific mark for a course.

A mark of "Dr." indicates that the course has been dropped with permission, and was passing when dropped.

A mark of "Inc." indicates that a course has not been finished for some other reason than failure to take the final examination when scheduled. For the latter the mark of "Abs." is used, as explained above. The uncompleted work must be made up within limits prescribed by the instructor; otherwise the mark will be changed to "F." In any event, after the expiration of one term, any remaining mark of "Inc." will be changed to "F."

The letter "R" is used together with an appropriate mark when a student has repeated a course, and in such a case there can be no credit in terms of semester hours.

Whenever a student's academic record shows serious deficiency, the question of a student's retention or dismissal is decided by the Committee on Standing, in which the faculty has vested complete power to deal with such cases.

HONORS

The degree of Bachelor of Arts with Distinction is awarded in three grades; cum laude to those who attain an average mark between 88 and 92 per cent throughout their college course; magna cum laude to those whose average mark is between 92 and 95; and summa cum laude to those whose average mark is 95 or above.

In American colleges it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This nationally famous society, founded in 1776, restricts its chapters to leading colleges and universities, and it maintains very high scholastic standards. The Beta Chapter of Maine was organized in 1895. Election to membership is based upon academic record at the end of seven semesters and on recommendations then made by instructors.

A student who has not obtained a cum laude grade but who has done work of marked distinction in one department may, upon recommendation of that department and by vote of the faculty, be mentioned on the Commencement Program for honors in that particular subject.

An important annual event of the late spring is Recognition Assembly, when a general assembly with a prominent guest speaker is held for the purpose of recognizing those students who, during the year, have earned honors. Among those recognized are the following: newly elected members of Phi Beta Kappa; winners of College Prizes; recipient of the Condon Medal; newly elected members of Blue Key and Cap and Gown, the honor societies for Senior men and Senior women

respectively; recipients of certificates from Phi Beta Kappa, awarded to members of the three lower classes for distinction in scholarship.

PARTIAL CREDITS

The faculty has voted that students called into military service before the end of a semester shall receive partial credit as follows:

1. Withdrawal before the end of the fifth week of the semester, no credit.

2. Withdrawal between the end of the fifth week and the official date of mid-semester, credit of one semester course, provided the student is passing in five courses; otherwise no credit.

3. Withdrawal between mid-semester and the end of the fourth week preceding the last day of classes, two semester courses if the student is passing in five courses; one semester course if passing in four courses only; otherwise no credit.

4. Withdrawal between the end of the fourth week preceding the last day of classes and the last day of classes itself, three semester courses if the student is passing in five courses; two semester courses if passing in four courses only; one semester course if passing in three courses only; otherwise no credit.

5. All such partial credit is "blanket," not allotted to any particular course. Partial credit, under the regulations listed above, is limited solely to students called and actually inducted into the Armed Services of the United States.

College Prizes

GENERAL

Condon Medal. The gift of the late Randall J. Condon, of the class of 1886, awarded to the member of the Senior class who, by vote of his classmates and with the approval of the Faculty, is deemed to have been the best college citizen.

In 1951 the medal was awarded to Clifford Allan Bean, '51.

Lelia M. Forster Prizes. From the income of the Lelia M. Forster Fund awards are made annually "to the young man and the young woman of the preceding entering class who have shown the character and ideals the most likely to benefit society."

In 1951 the award for the Men's Division was awarded to Charles Freeman Sleeper, '54; the prize for the Women's Division was awarded to Jo Anne Conkling, '54.

Students League Scholarship. Awarded annually to the Junior girl who best fits these requisites: average scholarship, leadership, participation in extra curricular activities, friendliness—and who has contributed toward her college expenses by her own efforts.

In 1951 this scholarship was awarded to Sally Nash Shaw, '52.

Delta Delta Delta Scholarship Award. Given annually by the sorority for scholastic ability and school participation to a well-deserving girl at Colby.

In 1951 this award was made to Janice Ruth Vaughan, '52.

BUSINESS ADMINISTRATION

Ernest L. Parsons Prize. Awarded to a senior in Business Administration who in the opinion of the faculty of this department combines high quality of scholarship, personality and extra-curricular interests.

In 1951 this prize was divided equally between Carol Gertrude Huntington, '51, and Clifford Allan Bean, '51.

CLASSICS

Foster Memorial Prizes in Classics. One or more prizes of \$50 each, in memory of the late Professor John B. Foster, are awarded to students from either Division for marked excellence in advanced Greek or Latin courses.

In 1951 awards in Latin to Alice Mary Colby, '53, and Theodore Elliot Johnson, '53.

ENGLISH

Mary Low Carver Prize for Poetry. A prize of \$50 is offered annually to a student in the Women's Division for an original poem of merit in the English language. The limitation to the Womens' Division is by the terms of the gift made by the donor of this prize. No limitation is placed upon the form or nature of the poems submitted.

In 1951 no award was made.

Solomon Gallert English Prize. A prize of \$20, given by Mrs. Joseph L. B. Mayer in memory of Solomon Gallert of the class of 1888, is awarded yearly for excellence in English.

In 1951 the award was made to Richard Alan Grant, '51.

Library Associates' Book Prize. Under the auspices of the Colby Library Associates, a book prize is annually awarded to

the senior who has, during his or her four years in college, assembled the best collection of books. This prize has been partially endowed by the class of 1941.

In 1951 this prize was divided equally between William Theodore Burgess, Jr., '51, and Richard Alan Grant, '51.

HISTORY

Lampert History Prize. To the senior who is the highest ranking major in the fields of History and Government; a fund is provided for books of the winner's choosing.

In 1951 the first prize was awarded to Paul Briggs Kilmister, '51; the second prize to Harland H. Eastman II, '51.

MODERN LANGUAGES

French Consulate Prize. Offered by the French Consulate in Boston for excellence in French studies.

In 1951 the prize was awarded to Sylvia May Fredette, '51.

German Prizes. A first prize of \$10 and a second prize of \$5 are awarded to members of the Men's Division for excellence in German courses. Similar prizes are awarded in the Women's Division.

In 1951 the first prizes were awarded to Herbert Ludwig Panzenhagen, '51 and Jane Crandall Metcalf, '53; second prize to Lois Hope Poulin, '51.

Delta Phi Alpha German Prize. No award in 1951.

MUSIC

Louise Colgan Award. This prize of \$10 is given to the senior girl who has been a member of the Glee Club for at

least three years and who has the highest academic standing of any girl who meets this three-year requirement.

In 1951 this prize was awarded to Alyce June Moskowitz, '51.

Symphony Orchestra Awards. Two prizes offered by the Colby Community Symphonic Society to seniors who have been members of the Symphonic Orchestra during their college career and have shown unusual interest and improvement.

In 1951 the first prize was awarded to Frances Freeman Kimball, '51; the second prize to Norene Tibbetts, '51.

PUBLIC SPEAKING AND DRAMATICS

Goodwin Public Speaking Prizes. Special prizes aggregating \$85, given by the late Mattie E. Goodwin of Skowhegan in memory of her husband, Honorable Forrest Goodwin of the class of 1887, are awarded for excellence in the delivery of original addresses.

In 1951 the first prize was awarded to Barbette Blackington, '53; second to Paul Briggs Kilmister, '51; third to Donald Cameron Silverman, '52.

Hamlin Prizes. Prizes of \$10 and \$5 are awarded to freshmen in the Men's Division and Women's Division for excellence in public speaking.

In 1951 first prize winner was Merriilyn Anne Healy, '54; second prize winner was Peter Goffe Chaplin, '54.

Julius and Rachel Levine Speaking Prizes. Special prizes aggregating \$100 given by Lewis Lester Levine of the class of 1916, in memory of his father and mother, are awarded for excellence in extemporaneous speaking.

In 1951 the first and second prizes were awarded equally to **Barbette Blackington, '53**, and **Russell Alexander Dixon, Jr., '52**; third to **Harland Horace Eastman, II, '51**; fourth to **Donald Cameron Silverman, '52**.

Montgomery Interscholastic Public Speaking Prizes. In addition to the prizes offered to students in the college special prizes, the gift of the late **Job H. Montgomery** of **Camden, Maine**, are awarded to youth attending secondary schools in New England for general excellence in declamation in a public contest held at Colby College.

In 1951 the first prize was awarded to **Basil P. Zirinis** of **Riverdale Country School, New York City**; second to **T. Edwin Lewin**, **Cony High School, Augusta, Maine**; third to **Maryellen Fullam**, **Mount Merici Academy, Waterville, Maine**.

Murray Debating Prizes. The sum of \$100 is available each year to the college through a bequest of the late **George Edwin Murray** of the class of 1879, for the best arguments presented at a public exhibition.

In 1951 first prizes were awarded to **Paul Briggs Kilminster, '51**, and **Harland Horace Eastman, II, '51**; second prizes to **Barbette Blackington, '53**, and **Alvo Owen Martin, '51**.

Powder and Wig Awards. Made by **Powder and Wig** (the dramatics society) for exceptional achievement in dramatic enterprises of Colby College.

In 1951 one award was made to **A. Eugene Jellison, '51**.

SCIENCES

Chi Epsilon Mu Prize in Chemistry. Awarded annually to the highest ranking freshman in Chemistry.

In 1951 this prize was awarded to **Paul Arthur Marshall, '54**.

Achievement Award in Freshman Mathematics. Two volumes of mathematical tables awarded to the freshman showing the greatest achievement during the first semester of Freshman Mathematics.

In 1951 this award was made to Clifton Arthur Eddy, '54.

SOCIOLOGY

Chi Omega Prize in Sociology. Awarded annually to the highest ranking woman in sociology.

In 1951 this prize was awarded to Helen Harper Palen, '51.

Albion Woodbury Small Prizes. Prizes totaling \$100, derived from a fund given by Lina Small Harris of Chicago in memory of her father, Albion Woodbury Small of the class of 1876, former President of Colby and late Professor of Sociology and Dean of the Graduate School of the University of Chicago, are available for students pursuing work in the field of economics and sociology. These prizes will be given to the students in the Men's or Women's Division who present the best essays on some subject to be announced by the Department of Economics and Sociology.

In 1951 the first prize was awarded to Helen Harper Palen, '51; second to Jean Louise MacDonald, '51; third to Homer Deland Achorn, Jr., '51.

Attendance

The Faculty has established the following attendance rules:

1. Students are expected to be regular in class attendance, and absences from classes are regarded as unfulfilled obligations. Each student is allowed at least two unexcused absences from each course in any semester. The maximum number allowed, if any beyond two, is determined for each course by the individual instructor.

2. Excuses for absences must be made to and secured from the Dean of Men or the Dean of Women, who may grant excuses for the following reasons only:
 - (a) Illness certified by the college physician or his authorized representative.
 - (b) Athletic or other organizational trips.
 - (c) Critical emergencies.

No excuses may be obtained from instructors.

3. Each instructor shall explain at the first meeting of every semester what constitutes unsatisfactory attendance in that class, and this shall be made a matter of record at the Recorder's Office.
4. Any student whose attendance is unsatisfactory according to section 3 shall be warned by the Dean. Upon receipt of a second warning in one course in one semester the student shall be dropped from that course with a mark of "F." No warning shall be issued unless the excessive absence is reported to the Dean within 72 hours of its occurrence.
5. In order that a student may have fair notice, the Dean shall not issue more than one warning in any one course under section 4 to the same student for absence in any seven-day period regardless of the number of reports received from instructors during that period. Warnings under section 6, however, shall be issued regardless of the interval of time since any previous warning.
6. Any student absent without excuse from the last meeting of any class before a vacation or the first meeting of any class after a vacation shall receive a warning for each such class absence. The word vacation is interpreted to mean the Thanksgiving recess, the Christmas recess, the spring

recess, and the period between the last classes of the first semester and the first classes of the second semester, but not single holidays such as Armistice Day or Memorial Day.

7. A student shall be suspended from college for the balance of the semester and shall receive no credit for the semester's work under the following conditions:
 - (a) Failure in two courses in one semester for unsatisfactory attendance as defined in section 4.
 - (b) Two absences in each of two courses in one semester under section 6.
 - (c) Failure in one course in one semester under section 4, and two absences in one course in the same semester under section 6.

PROCEDURE IN ISSUING EXCUSES

1. There will be a single excuse slip on which the time of a student's excused absence will be noted.
2. The student must call for this excuse slip at the office of the Dean of Women.
3. The student will show the excuse slip to each instructor concerned, within one week of the last day absent. The slip is retained by the student.
4. Each instructor to whom the slip is presented will initial it, return it to the student, and record the excuse in his own records.
5. Blanket excuses for organized college trips will be issued in mimeographed form to all members of the faculty.

Examinations

At the close of each semester a period of ten days is set aside for a schedule of three-hour examinations in all courses except those which the Committee on Examinations has specifically exempted. The exact proportion given to the examination mark in computing the course mark is left to the decision of each instructor.

No student may be excused from any semester examination except for illness or emergency so grave as to justify excuse, in judgment of the Dean of Men or Dean of Women. A student thus excused may be examined at a later date convenient to the instructor, but under no circumstances is a student permitted to take a semester examination earlier than the date on which it is scheduled. The schedule of semester examinations, both as to time and place, is fixed by the Director of Schedule.

With the consent of the Dean of Men or the Dean of Women, a student may, for unusual reason, accept in lieu of semester examination, a mark equal to 75 per cent of his average in the course without examination. This procedure is so costly in reduction of final mark that few students request it.

Hour examinations and shorter quizzes are given as frequently as the individual instructor wishes. Short quizzes may be given without notice, but each instructor is expected to give one week's notice of any hour examination.

Cheating in an examination is a serious offense. The instructor may dismiss the offender from the course with a mark of "F," or he may refer the case to the Dean of Men or the Dean of Women for more drastic action.

A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

GRADUATE EXAMINATIONS

It is becoming increasingly common for graduate and professional schools to require formal, objective examinations for admission. Hence a center has been established at Colby College for administering the Graduate Record Examination, the Medical College Admissions Test, and the Law School Admissions Test. These tests are administered by the Dean of the Faculty, at whose office interested students may secure complete information about them.

Veterans

Colby College is fully approved by Veterans Administration for education and training of veterans, as provided in several acts of the U. S. Congress. The Dean of the Faculty is Coordinator of Veterans' Affairs, and all inquiries about registration under veterans' benefits should be addressed to him. Each veteran is required to submit to the college a certificate of eligibility for education or training at Colby before the college can agree to enroll him under charges payable by Veterans Administration. For most veterans the right to initiate an educational program under veterans' benefits expired on July 21, 1951. Most veterans seeking these federal benefits toward expenses at Colby are therefore now continuing education begun under the benefits before July 21, 1951.

Air Force Reserve Officers' Training Corps

GENERAL

In July 1951 the United States Air Force, at the request of the College, activated an AFROTC unit at Colby. The Department of Air Science and Tactics, staffed by Air Force officers and airmen, conducts the instruction prescribed by the Air Force and operates the ROTC program.

This program is designed to provide the student with a balanced course of officer training, both theoretical and practical, which in conjunction with his academic curriculum will provide him with the background necessary to become a commissioned officer in the US Air Force.

All physically qualified male freshmen and sophomores are required to take two years of ROTC. Selected students may take four years, qualifying them for commissions as second lieutenants in the US Air Force upon graduation.

Distinctive Air Force Blue uniforms, ROTC insignia and textbooks are loaned to students enrolled in the program. A deposit of \$15.00 is made with the Treasurer upon registration to cover loss of, or damage to, this property.

Students who take these courses are not members of the Air Force, but civilians in the AFROTC corps of cadets.

PROGRAM OF INSTRUCTION

Full academic credit is given for each of the AFROTC courses, called Air Science courses. The program is divided into two phases, Basic and Advanced.

The Basic phase consists of Air Science 121, 122 taken during freshman year and Air Science 221, 222 taken during

sophomore year. Three classroom hours and one field laboratory hour per week are scheduled for each course. (See Curriculum Section for course content outline). The basic courses, or their equivalent, are a prerequisite for the Advanced Phase.

This phase, beginning with 1953-54, will consist of two generalized courses, Air Science 321, 322 taken during junior year, and Air Science 421, 422 in senior year. (In 1952-53 and 1953-54 the present members of the Class of 1954 will take Air Science 341, 342 and 441, 442 successively. These courses will have four classroom hours and one field laboratory hour per week).

Advanced course students must attend a six weeks summer camp between junior and senior years. During this period they are paid approximately \$75 per month, plus travel, quarters, food, uniforms and medical care.

During the course they receive approximately \$30.00 per month and are issued an individually tailored Air Force officer's uniform worth \$100.00. This uniform is given to the student upon satisfactory completion of the AFROTC and college requirements.

DEFERMENTS FROM SELECTIVE SERVICE

A large percentage (85% in 1951-52) of Air Science 121, 122 students are eligible for deferment from active military service, providing: (1) they are selected by a deferment board, (2) they indicate their intentions of completing the four-year course, (3) they sign a deferment agreement. This agreement is to: (1) accept a commission upon completion of the requirements, (2) serve in active commissioned status for two years following graduation, (3) keep a reserve commission until the eighth anniversary of their date of commission. Once awarded, a deferment is continuous as long as the student is in good standing in the AFROTC and his other college

courses. Academic failure and/or certain other conditions will result in deferment cancellation.

ENROLLMENT IN THE BASIC COURSES

Male students accepted for enrollment at Colby will be sent an application form for AFROTC. This should be returned at once so that uniforms, etc., can be ordered. A physical examination form, to be filled out by the family physician, will also be sent and should be returned as soon as possible. Applicants must not have reached their 23d birthday.

ENROLLMENT IN THE ADVANCED COURSES

Students who have successfully completed the Basic courses or their equivalent may apply for the third year course. If acceptable to the President of the College and the Professor of Air Science they may be enrolled upon signing a contract agreeing to: (1) complete the advanced courses, and, (2) attend the summer camp.

Completion of the advanced courses, once the contract is signed, is a prerequisite for graduation from the College unless the student is discharged from the AFROTC for sufficient reasons. Students may not have reached their 25th birthday at the beginning of this phase.

Veterans and Members of Reserve Components

Veterans may receive credit for part or all of the basic phase of AFROTC. The amount will be determined on an individual basis by the Professor of Air Science and Tactics. Exemption from these courses will be determined by the Dean of Men for veterans and active members of reserve components of the Armed Forces.

Further details, in regard to specific inquiries, may be had from the Professor of Air Science and Tactics.

*Colby Swarthmore
Summer School of Languages*

Colby-Swarthmore is sponsored by Colby College of Waterville, Maine, and Swarthmore College at Swarthmore, Pennsylvania. It recognizes the increasing need in our country for more men and women with a sound knowledge of foreign languages. It has faith that linguistically trained citizens can help to further international understanding and good will among nations. The School is organized especially for the training of the capable and ambitious young man or woman who is looking forward to graduate or foreign study, positions or travel in foreign lands, translation work, foreign language teaching, or government service.

The fifth session of Colby-Swarthmore opens on Colby's Mayflower Hill campus on June 30 and closes on August 18, 1952. The sixth session is expected to be held between corresponding dates in the summer of 1953. Courses are offered at the elementary, intermediate, and advanced levels in French, German, Italian, Russian, and Spanish. All courses are of the intensive type, covering in seven weeks one full year's work at the college level, with no less than one hundred and five hours of classroom instruction, and with a credit of six semester hours. The faculty, drawn from many colleges, is composed of native or bilingual instructors who have had wide experience and interest in teaching American students. They are chosen not only for their scholarly attainments but for their personalities and their ability to teach and handle students informally.

At Colby-Swarthmore the student will find an atmosphere that is particularly conducive to rapid progress in learning a foreign language. The School insists upon the exclusive use of the foreign language outside the classroom in so far as circumstances and previous training permit. The use of the spoken language is encouraged by grouping the students in

the dormitories according to the language they study. Teachers live in the dormitories, conduct the language tables in the dining halls, and participate in leisure-time activities such as sports, group singing, folk dancing, and various excursions. Special stress is laid upon this close association of instructor and student because these friendly contacts outside as well as in the classroom develop a feeling of genuine comradeship, which makes the student's use of the foreign language natural and spontaneous. Instruction is given in small classes so that each student can participate constantly in the classroom exercises and can receive frequent and individual attention. Mechanical aids, such as records which are prepared by instructors for individual classes, phonographs, and recorders, supplement special classroom techniques and individual conferences. Through this carefully integrated program of personalized teaching and planned recreation the student is offered a unique opportunity for the acquisition of a foreign language.

All correspondence concerning the School should be addressed to Professor John F. McCoy, Director, Colby-Swarthmore Summer School of Languages, Waterville, Maine.

Finances 1952 - 1953

The charges tabulated below constitute a student's major items of expense for one semester. In addition to these there are the various expenses of a personal nature and the Student Activities Fee.

SEMESTER FEES AND EXPENSES

Item	Amount	Payable
Tuition, 5-course program	\$275.00	Before registration
Room, dormitory	100.00	Semester Bill*
†Board, College dining hall	200.00	\$50 payable before registration, balance on Semester Bill.*
	<hr/>	
	\$575.00	

*The Semester Bill is issued four to five weeks after registration and is due in approximately two weeks after the date of issue.

†In view of uncertainty regarding the trend of food costs, the College reserves the right to change the charge for Board on thirty days notice.

ADVANCE PAYMENTS

No formal bills are issued for any of the following items.

Admission

Non-returnable deposit of \$25.00. This payment is due when applicants for admission are accepted. This deposit is later credited on the tuition due prior to registration.

Board Deposit

Prior to the start of each semester all students who board at the college are required to make an advance payment of \$50.00.

Room Deposit

All students attending College in any given year must, in order to reserve a room for the following College year, make a \$10.00 deposit on or before May first. This deposit is paid to the Treasurer and is later credited on the Semester Bill for the fall semester. Refund of room deposit will be made if the request for a room reservation is withdrawn not later than thirty days before the following registration period.

Tuition

\$275.00 a semester payable prior to the opening of each semester. The semester per course charge is \$55.00.

ACTIVITIES FEE

At the request of the students themselves a Student Activities Fee is collected annually, and is used for financing various student activities. This fee is charged on the first semester bill except in the case of students in attendance for the second semester only, who will be charged a proportionate fee on their second semester bill. The Student Activities Fee is compulsory and no items are deductible. The organizations supported and the amount of the fee may change from year to year. The Student Activities Fee for 1951-52 will be \$13.50 for men and \$15 for women, distributed as follows: Colby Echo \$2.50, Colby Oracle \$5, Class Dues \$1.25, Inter-Faith Association \$1.50, Music \$2, Student Government \$1.25, and for women, Student League \$1.50.

BOARD

Dining halls are maintained in the Roberts Union and in the women's dormitories. All women students not living at home or with relatives are required to live in College residences and board at the College. Exceptions may be made in the case of students in the three upper classes who find it absolutely necessary to earn their entire room and board. Arrangements for such exceptions must be made with the Dean of Women. Men students electing to board at the College dining hall are obligated to pay the board charge for an entire semester. All men students are required to live in College buildings, unless excused by the Dean of Men.

ROOM

Dormitory room reservations for men students are made at the office of Dean of Men. Room reservations for freshman women are made at the office of the Dean of Women. Room reservations for upperclass women are made with the Director of Residence of the Women's Division.

HEALTH SERVICE

Each student receives annually a thorough physical and medical examination, as many visits to the daily sick call as may be necessary, use of infirmary in accordance with established regulations and all necessary attendance by the college physician and resident nurses. It is important that students and parents understand that the college health service does not entitle a student to the services of a surgeon or specialist, such laboratory procedure as X-ray photographs, blood count, prescription medication, glasses, or dentistry, or other specialized diagnostic techniques. It is further emphasized that a student or his family must assume financial responsibility for the services of a specialist or surgeon.

Free service in the college infirmary is restricted to a total of two weeks in any college year. Infirmary meals are charged at reasonable rates. Whenever students are regularly boarding at the College there is no additional charge for meals.

The health services are described in detail in the Colby Gray Book.

MISCELLANEOUS

Group accident and sickness insurance is available to students through an arrangement with the Union Mutual Life Insurance Company. This insurance is supplementary to the college health service and details concerning it are published prior to the opening of each fall semester.

Shorthand and typewriting when elected concurrently, are considered as one full course for which the regular single course fee of \$55 per semester is charged; when either shorthand or typewriting is elected singly the semester charge is \$27.50.

In Chemistry courses, students are required to pay for all apparatus broken or lost. A chemistry breakage deposit of \$5.00 per course is required. The unused balance of this deposit is refunded.

For the use of electrical facilities beyond those installed in dormitory rooms extra charges will be levied in accordance with rates established by the Superintendent of Buildings.

Financial Aid awards, other than for work or loans, are creditable against tuition.

Unless an exception has been made by the College Treasurer, no student other than transfer students will be granted a degree until he has paid to the College the equivalent of eight semesters full tuition.

PAYMENT OF BILLS

Regulations under which college bills must be paid are established by the Board of Trustees, and the College Treasurer is charged with the duty of impartially enforcing these regulations. Unless payment is made in exact accordance with the Treasurer's specific understanding with the student, the regulations require that the student be excluded from classes until payment is made and that a fine of two dollars be imposed for neglecting to arrange with the Treasurer prior to the date due for a plan of payment. Students excluded from classes under this rule for longer than ten days will be suspended from College for the remainder of the semester. Concerning College bills students and parents must deal directly with the College Treasurer. No other officer of the College has any authority over collection of student bills.

The tuition fee and the board deposit must be paid in advance. No student is permitted to register or attend classes until these charges have been paid. Students permitted to

take less than a full program must make advanced payment at the rate of \$55 for each semester course. No formal bill is issued for these payments. This catalog statement constitutes notice that the payments must be made in advance. The Treasurer cannot permit deferred payment of tuition fees or board deposit.

The fee for extra courses beyond the normal load of five courses is charged on the semester bill at the rate of \$55 per semester course.

Shortly after the opening of each term a bill covering various items is issued and becomes due on a designated date about two weeks later. The bill includes charges for room, board (if at a College dining hall), and the Student Activities Fee. Deduction is made for any prepayments on items charged.

While the Treasurer cannot permit deferred payment of tuition fees at the beginning of a term, he can at his discretion grant partial extension for a brief period on the semester bills. Students needing such extension must make arrangements with the Treasurer prior to the due date designated on the bill.

REFUNDS

To students entering the Armed Services before the end of a semester, a pro-rata refund of tuition, room rent, board and fees will be made.

In the case of voluntary withdrawal of students in the medical technology and nursing programs during their period of professional training, refunds will be made on an individual basis.

To all other students, in case of voluntary withdrawal, a refund of tuition and room rent is made according to the following:

From Registration Day until the expiration of two weeks	50% refunded
Between two and four weeks	25% refunded
After four weeks	No refund

Refund of payment made for board to a student who withdraws either voluntarily or involuntarily, will be made at the rate of \$9.00 per week for the uncompleted part of the term.

Whenever a student is required to withdraw because of unsatisfactory conduct or scholarship, no refund, other than for board, will be made.

Financial Aid

Colby College has traditionally taken pride in the number of its students with limited financial resources who have been assisted in receiving a college education. Not a few of the most distinguished alumni of this college received scholarship aid and worked their way through the four years. Colby annually distributes financial aid in excess of \$70,000 in the form of scholarships, Woodman grants and college employment. The amount given in the first two categories represents the cash income from invested funds given for this very purpose by generous individuals and organizations throughout Colby's long history. Recipients, therefore, are definitely under a moral obligation to fulfill the expectations of these unseen benefactors.

A student needing financial help should write to the Dean of Men or the Dean of Women asking for a copy of the bulletin entitled **Information on Financial Aid**. This bulletin explains all our different forms of aid and outlines the procedure to be followed by the applicant.

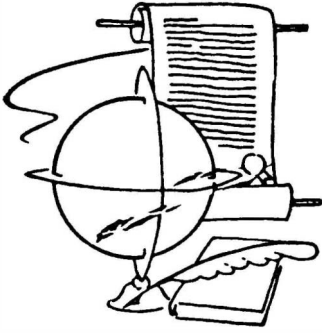
Employment in the college consists of work in the library, in several academic departments and administrative offices, in dining room and kitchen service and in miscellaneous assignments. Prospective students applying for financial aid who are willing to accept employment may so designate on the financial aid application form.

USE OF AUTOMOBILES

The use of automobiles at the College is not permitted to freshmen. After the completion of freshman year, and student may have the use of an automobile at the college, subject to the following restrictions:

- (1) Permission of parents unless the student is of legal age.
- (2) Registration of the automobile at the college office of the Superintendent of Buildings and Grounds.
- (3) Proof that liability insurance is carried.
- (4) Observance of the motor vehicle regulations of the College as well as those of the State of Maine.

CURRICULUM



LANGUAGES, LITERATURES, AND ARTS

SOCIAL SCIENCES

SCIENCES

AIR SCIENCE

HEALTH AND PHYSICAL EDUCATION

Curriculum 1952-1953

The description of courses in the following pages is classified by divisions, and sub-classified by subjects in the following order:

Division of Languages, Literatures, and Arts

Bibliography, Greek, Latin, English, Fine Arts
Music, French, German, Spanish

Division of Social Sciences

Social Science, Business Administration, Economics, Sociology, Education, Psychology, History, Government, Philosophy, Religion

Division of Science

Biology, Chemistry, Geology, Mathematics, Physics

Division of Air Science

Air Science and Tactics

Division of Health and Physical Education

Physical Education

Courses as announced are subject to withdrawal at the discretion of the college administration.

Unless otherwise restricted any course may be elected by a student with the stated prerequisite.

NUMBERING SYSTEM

Each course is designated by a number with three digits.

The first digit indicates the classes to which a course is open:

- 1—open to freshmen
- 2—open to no class below sophomore
- 3—open to no class below junior
- 4—designed primarily for seniors

The second digit indicates whether the course is a year-course or otherwise:

0—either semester of a year-course

even number (2, 4, 6, or 8)—one of two closely related semester courses

odd number (1, 3, 5, 7 or 9)—an independent semester course

The third digit indicates whether a first semester or a second semester course:

odd number—first semester course

even number—second semester course

The letter “d” after a course number indicates that the course is repeated each semester.

The letter “e” after a number indicates an “E” course.

A year-course (one with zero as its second digit) extends throughout the college year, and may not be dropped at mid-year without loss of credit; nor can it be entered at any time except at the beginning of the year. In a year-course the mark recorded at mid-year is tentative and merely indicates the student's standing at that time. The end-of-the-year mark is the only finally recorded mark for the course, and no credit is given until that mark is recorded.

Two closely related semester courses (those with an even number as the second digit) are so constructed that the second may not be taken without completion of the first, except by special permission of the department offering the courses. A mark of E, at the discretion of a department, may be given for the first of two related semester courses, provided the course is so designated under the course description in the current catalog. A mark of E designates a mark from 50 to 59, and indicates that the deficiency may be made up by satisfactory completion of the second of two related courses in the

immediately following semester.

[] Brackets indicate that the course will not be offered in 1952-53.

* An asterisk indicates that the course will not be offered in 1953-54.

† A dagger indicates that the course will probably be offered in 1953-54.

Graduation requirements at Colby are no longer in terms of semester hours, but rather in terms of courses and half-courses. In order to make it plain, however, that certain courses carry more than the usual number of semester hours, wherever that term is the unit requirement, those courses are so designated in the course descriptions.

Schedule of hours and rooms, for courses listed in this section of the catalog, will be available at the Recorder's office in May, 1952.

DIVISION OF LANGUAGES, LITERATURES, AND ARTS

Chairman, Professor Ermanno Comparetti

Bibliography

Assistant Professor Libbey

312. BIBLIOGRAPHICAL MATERIALS AND MAKING OF BOOKS

The sources and methods of library research, with the needs of the prosecutive graduate student especially considered. The development of alphabets and writing, of manuscripts, printing and libraries.

Prerequisite: junior standing at least; sophomores by permission
Miss Libbey

Classics

Mr. Bliss

Major requirements: A major in Classics, rather than separately in Latin or Greek, can be met by three years of Latin above 103, 104 and three years of Greek. The separate major in Greek requires four year-courses, or equivalent semester courses, in Greek; History 261, 262; and special work during junior and senior years to include a general study of Classical Philology. and in senior year the intensive study of a single author with a separate examination in the same. The major in Latin requires four year-courses, or equivalent semester courses, in Latin above the level of 103, 104; History 261, 262, or Greek 103, 104; and the same requirements in General Philology and a single author as noted above.

No more than three semester courses of the 200 level or above will be offered in any single year in each of the two languages.

GREEK**101, 102. ELEMENTARY GREEK**

Essentials of Greek grammar; reading of simple Greek stories.

Prerequisite: none

103, 104. INTERMEDIATE GREEK

A reading course in Xenophon's Memorabilia, selections from Homer and the lyric poets; review of grammar.

Prerequisite: Greek 101, 102 or its equivalent

[211. HERODOTUS]

Book Two, with selections from Books Seven and Eight.

Prerequisite: Greek 103, 104

[212. ARISTOTLE]

Nicomachean Ethics, Books One, Two, Six, Ten.

213. HELLENISTIC GREEK

Selections from Polybius and Epicurus; Gospels.

Prerequisite: Greek 103, 104

[214. NEW TESTAMENT GREEK]

Selections from Acts and Epistles; selections from Justin.

Prerequisite: Greek 103, 104

[215. ARISTOPHANES]

One play, two if possible, to be chosen by the student.

Prerequisite: Greek 103, 104

216. SOPHOCLES

One play, two if possible, to be chosen by the student.

Prerequisite: Greek 103, 104

LATIN**[101, 102. ELEMENTARY LATIN]**

Introduction to Latin by the reading-grammar method; emphasis upon the contribution of Latin to English vocabulary.

Prerequisite: none

103, 104. VERGIL

Selections from Vergil's *Aeneid*.

Prerequisite: Latin 101, 102 or equivalent. Students offering three or more years of high school Latin will take Latin 105, 106.

105, 106. SURVEY OF LATIN POETRY

Selected plays of Plautus and Terence in the first semester; survey of the poets from Naevius to the medieval hymnologists in the second semester.

Prerequisite: Latin 103, 104 or three or more years of high school Latin.

211. CICERO AND HIS CONTEMPORARIES

Selected letters of Cicero, with a study of their political and social background.

Prerequisite: Latin 105, 106 or equivalent.

[212. HORACE]

The Odes, one book of the Satires, and selections from the Epistles.

Prerequisite: Latin 105, 106 or equivalent.

[213. TACITUS]

The first four books of the *Annals*.

Prerequisite: Latin 105, 106.

[214. LUCRETIVS]

The *De Rerum Natura*.

Prerequisite: Latin 105, 106.

[215. PLINY AND JUVENAL]

Selections from Pliny the Younger and from Juvenal.

Prerequisite: Latin 105, 106.

[216. SUTONIUS AND MARTIAL]

Selections from the *Lives of the Caesars* and from the *Epigrams*; a study of the society of the early Empire.

Prerequisite: Latin 105, 106

[217. CATULLUS, TIBULLUS, AND PROPERTIVS]

Selections from these three poets.

Prerequisite: Latin 105, 106

218. CICERO'S PHILOSOPHICAL WORKS

Cicero's *De Finibus* with selections from the *De Officiis*.

Prerequisite: Latin 105, 106

251. LATIN LITERATURE IN TRANSLATION

Roman writers from Plautus to Quintilian; lectures on the history of Latin literature, and on special aspects of the relationship of that literature to the cultural history of Rome.

Prerequisite: sophomore standing at least.

[311. TEACHING OF LATIN]

Objectives, content and methods in the teaching of secondary school Latin; critical study of Latin texts used in the schools; exercises in Latin composition.

Prerequisite: Latin 103, 104

313. THE PASTORAL TRADITION

Study of the principal writers in this tradition from Theocritus to Spenser, with readings in the originals and in translations. The course meets only one hour a week and carries no credit.

Prerequisite: knowledge of either Latin or Greek or French, and permission of the instructor.

English

Professors Weber and Norwood; Associate Professors Rollins and Chapman; Assistant Professor Alice Comparetti; Mrs. Doris Smith; Messrs. Benbow, Horton, Leighton and Sutherland; and Instructors.

Requirements for majoring in English are: in the sophomore year, English 203, 204 and History 241, 242; in the junior year, two full year period courses or their equivalent in semester courses, one year of which must be in periods before 1800; in the senior year, English 401, 402 and one full year period course or its equivalent in semester courses. Members of the Class of 1953, who are relieved of the former requirement of English 403, 404, must, unless they have already taken a full year course or its equivalent in two semester courses in periods before 1800, meet that requirement. Those courses classified as period courses are: 203, 204; 311, 312; 312; 313; 314; 321, 322; 323, 324; 325, 326; 421, 422.

Attention is invited to the major in American Civilization (see page 83.)

101, 102. ENGLISH COMPOSITION

Training in the clear, accurate, and intelligent use of the English language. Required of all freshmen. An additional (or fourth) hour is required weekly of those freshmen who show need of special help in English. Mr. Rollins and Staff

121, 122. PUBLIC SPEAKING

Training in orderly thinking and in methods of oral delivery in various types of public speaking. Conferences to correct individual problems.

Prerequisite: none

Mr. Horton

201, 202. SURVEY OF LITERATURE:
ENGLISH AND AMERICAN

A general introduction to literature in the English language, not designated for English majors, but for the general student. Required of all sophomores who do not elect English 203, 204.

Prerequisite: English 101, 102. Mrs. Comparetti and Staff

203, 204. THE ROMANTIC REVIVAL

English literature from 1798 to 1832: Wordsworth, Shelley, Keats, and their prose contemporaries. An introductory course required of sophomores who are beginning a major in English. Not open to sophomores who are not English majors.

Prerequisite: English 101, 102.

Mr. Chapman

205, 206. SOPHOMORE COMPOSITION

A course of further practice in writing, required of students who pass English 101, 102 without attaining a mark of least "C."

Mr. Sutherland

207, 208. JOURNALISM

Theoretical and practical training in writing for newspapers and magazines; recommended for candidates for the Echo board.

Prerequisite: English 101, 102

Mr. Leighton

[261, 262. DRAMATIC ART]

Training in the arts of the theatre, for students interested in preparing for further dramatic work or for directing play-production in schools.

Prerequisite: English 101, 102

311. CHAUCER

An intensive study of Chaucer, with some attention to *Piers Plowman* and the works of the Pearl Poet, and with the reading of Malory's *Morte D'Arthur*.

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

312. THE EARLY ENGLISH RENAISSANCE

A study of the prose, poetry, and drama of the Early English Renaissance including More, *Tottel's Miscellany*, Spenser, and Marlowe.

Prerequisite: English 201, 202 or 203, 204 Mr. Benbow

313. 17TH CENTURY WRITERS

A study of the prose and poetry of the Later Renaissance including Bacon, Walton, Donne, Herbert, Jonson, Herrick, and other Spenserians.

Prerequisite: English 201, 202 or 203, 204 Mr. Benbow

314. MILTON

A study of Milton's poetry and prose.

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

321, 322. SWIFT, POPE, JOHNSON AND
THEIR CONTEMPORARIES

English literature in the 18th century — the "neo-classical" period.

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

323, 324. FROM BROWNING TO HARDY

English literature of the Victorian period, from 1832 to 1900.

Prerequisite: English 201, 202 or 203, 204 Mr. Weber

325, 326. MAJOR AMERICAN AUTHORS

An upper-class course in American literature, chiefly of the nineteenth century.

(A student may not receive credit for both 325, 326 and 365, 366.)

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

361, 362. THE DRAMA IN ENGLISH

The drama as a literary type. First semester, from Shakespeare's predecessors to Sheridan; second semester, from Ibsen to the present.

Prerequisite: English 201, 202 or 203, 204 Mr. Rollins

363, 364. THE ENGLISH NOVEL

Historical survey of the novel as a literary type. First semester, the eighteenth century novel; second semester, the nineteenth century novel.

Prerequisite: English 201, 202 or 203, 204 Mr. Chapman

365, 366. SURVEY OF AMERICAN LITERATURE

Historical survey of American literature from Colonial times to the present. An upper-class course designed for the non-major student interested in the study of his own literature.

(A student may not receive credit for both 325, 326 and 365, 366.)

Prerequisite: English 201, 202 or 203, 204 Instructor

381, 382. ADVANCED COMPOSITION

Practice under guidance for students who are interested in improving their writing whether creative or expository (non-fictional).

Prerequisite: English 201, 202 or 203, 204 Mr. Horton

401, 402. SHAKESPEARE

A careful study of the work of the great dramatist.

Prerequisite: English 201, 202 or 203, 204. Required of seniors majoring in English.

[403, 404. SYNTHESIS OF ENGLISH LITERATURE]**[411. THE TEACHING OF COMPOSITION]**

A study of the techniques of teaching oral and written composition in the secondary school; the historical development of the English language; curriculum construction.

Prerequisite: English 201, 202 or 203, 204

[412. THE TEACHING OF LITERATURE]

A study of the techniques of teaching English and American literature in the secondary school; problems of interpretation; testing and grading techniques; practical classroom problems.

Prerequisite: English 201, 202 or 203, 204.

421, 422. CONTEMPORARY LITERATURE

English and American literature of the twentieth century. Open to seniors only. Mr. Chapman

Fine Arts and Music

Associate Professors Comparetti and Carpenter, and
Mr. Re

ART

Major requirements: four courses in Art, including two advanced semester courses in art history, Art. 131, and ordinarily Art. 111.

**101, 102. INTRODUCTION TO THE HISTORY AND
PRINCIPLES OF ART**

Methods of approach to the understanding of architecture, sculpture and painting and a general historical treatment of European Art.

Written reports and some studio exercises.

Prerequisite: none

111. THEORY AND PRACTICE OF DRAWING

Practice of Drawing with discussion and occasional lectures. Limited to 35 students.

Prerequisite: sophomore standing; freshmen admitted by permission of instructor; general aptitude desirable.

112. ADVANCED DRAWING

A continuation of the work begun in 121, with more intensive study of advanced features. Limited to 15 students.

Prerequisite: Art. 111

**[131. THEORY AND PRACTICE OF DESIGN;
INTRODUCTION TO PAINTING]**

Problems of design, with discussion and lectures. Some attention to painting. Limited to 35 students.

Prerequisite: sophomore standing; freshmen admitted by permission of instructor; general aptitude desirable.

[132. ADVANCED DESIGN]

A continuation of the work begun in 141, with emphasis on the more difficult problems of design; increased attention to painting. Limited to 15 students.

Prerequisite: Art. 131

*211. ART OF THE RENAISSANCE

Painting and sculpture of the fifteenth and sixteenth centuries in Italy and North Europe with an emphasis on the major artists.

Prerequisite: Art 101, 102 or permission of instructor.

*212. BAROQUE ART

Painting and sculpture of the seventeenth and eighteenth centuries with an emphasis on the major artists.

Prerequisite: Art 101, 102 or permission of instructor.

[213. MODERN ART]

In this course special attention will be given to French painting of the nineteenth century. In the twentieth century architecture, painting and sculpture will be studied.

Prerequisite: Art 101, 102 or permission of instructor.

[234. THE GRAPHIC ARTS]

A study of the drawings and prints (engravings, etchings, woodcuts, etc.) of the leading masters of European Art.

Prerequisite: Art 101, 102 or permission of instructor.

321, 322. STUDIO WORK

Work in various media and on various problems. This course may be repeated in a second year with the undertaking of different problems.

Prerequisite: Art. 111, 112, 131, 132, and special permission

MUSIC

Major requirements: eight semester courses in Music including 111, 112, 211, 212 History 121, 122 and either French 103, 104 or German 103, 104. Students planning graduate work in musicology are advised to elect both languages. Credit in applied music may not be given in 1952-53. Consult Dr. Comparetti.

101, 102. HISTORY AND APPRECIATION OF MUSIC

Survey of the art of music, with particular reference to matters of style and historical and background; illustration and discussion of vocal and instrumental works. First semester, from the beginning to 1750; second semester, from 1750 to the present time.

Prerequisite: none

111. THEORY AND PRACTICE OF MUSIC

A course in musical notation, scales, intervals and chord structure, elements of musical design and harmony.

Limited to ten students.

Prerequisite: none

112. HARMONY

Harmonization of given and original melodies: analysis of compositions selected from major composers.

Prerequisite: Music 111 or equivalent

211. COUNTERPOINT

A course dealing with the principles of melodic combinations. Illustrations from major works of contrapuntal art.

Prerequisite: Music 111, 112

212. SYMPHONIC ANALYSIS

The investigation of symphonic form from the early 18th century to the works of Brahms and later symphonists. Problems of instrumentation, composition, and conducting will be considered.

Prerequisite: Music 111, 112 and permission of instructor

301, 302. THE VIENNESE CLASSICISTS

Emphasis on the instrumental works of Haydn, Mozart, Beethoven and Schubert. Study of forms and reading of scores.

Prerequisite: Music 101, 102, 111, 112

305, 306. OPERA AND ORATORIO

The history of opera and oratorio. Study of famous representative works and techniques.

Prerequisite: Music 101, 102, 111, 112

APPLIED MUSIC

Private lessons in one of the following instruments—piano, organ, violin, viola, violoncello and bass viol—and in voice, is available at additional cost. To fulfill credit requirements, students must have one lesson and practice a minimum of six hours each week. There is no credit for the Freshman year. Thereafter one semester of course credit for each three semesters can be applied toward requirements for the college degree.

Students desiring private instruction in piano are referred to Mr. Comparetti; in organ to Mr. Re; in voice to Mrs. Edward J. Colgan, 11 Gilman Street; and in stringed instruments to Mr. Walter Habenicht and Mr. Max Cimbollek.

For participation in the College Glee Clubs, the Symphony Orchestra and the College Band, a student may receive

credit for a one year course provided he is an active member of one of the above organizations through four years in college and has by his Senior year completed requirements in any one course offered by the Department of Music. There is no credit for the Freshman year or for any period less than the four years of active participation. If this credit is applied to the requirement for graduation, as one of the twenty courses required, payment must be made on the established per course basis.

The Carnegie library of musical recordings is available to all students of the College; listening hours to be arranged.

Modern Languages

Professor McCoy; Associate Professors Strong, Smith, Bither, and Kellenberger*; Assistant Professors Gardiner and Schmidt*; Messrs. Biron, Schwartz, and Belferman, and Instructor.

FRENCH

Major requirements: French 107, 108, 221, 222, and any two of the three French courses; 343, 344; 345, 346; 347, 348; German 225, 226; History 121, 122 or 223, 224; and two years of German or Spanish (if the student has not already had the equivalent in high school. A student desiring certification for teaching French must also include French 411 and 414.

Note: In French 101, 102, 103, 104, 105, 106, 107, 108 students are allocated on the basis of their achievement in French as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

* On leave of absence, 1952-53.

101, 102. ELEMENTARY FRENCH

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy French; collateral reading.

Prerequisite: none

103, 104. INTERMEDIATE FRENCH

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: French 101, 102 or two years of high school French

[105, 106. ADVANCED COMPOSITION, CONVERSATION,
AND READING]

Practice in speaking, writing, and reading French; prose and poetry; sight and collateral reading. One hour per week of language laboratory. Conducted chiefly in French.

Prerequisite: French 103, 104 or three years of high school French

107, 108. READINGS IN FRENCH LITERATURE

A study of some of the masterpieces of French literature from the Middle Ages to the present day, with biographical sketches of the authors read. Translation, class discussion, collateral reading, composition. One hour per week of language laboratory, with emphasis on pronunciation, conversation, and development of a practical vocabulary. Conducted chiefly in French.

Prerequisite: French 103, 104 or three years of high school French

221, 222. GREAT WRITERS OF THE AGE OF LOUIS XIV

A study of the works of the principal authors of the seventeenth century, with particular emphasis on Corneille, Racine, Molière, and La Fontaine. Conducted chiefly in French.

Prerequisite: French 107, 108

Mr. Smith

†[343, 344. FRENCH LITERATURE OF THE
EIGHTEENTH CENTURY]

Characteristic works of Montesquieu, Buffon, Voltaire, Diderot, Rousseau, Marivaux, Beaumarchais, Abbé Prévost, Chénier, and others. Conducted chiefly in French.

Prerequisite: French 221, 222

*345, 346. FRENCH LITERATURE OF THE
NINETEENTH CENTURY

A study of the various literary movements, and the major works of the leading poets, novelists, and dramatists of the nineteenth century. Conducted chiefly in French.

Prerequisite: French 221, 222

Mr. Strong

347, 348. CONTEMPORARY FRENCH LITERATURE

The sources of contemporary French literature. Outstanding prose and poetic works of the twentieth century. The development of French drama since 1900. Conducted chiefly in French.

Prerequisite: French 221, 222

Mr. Smith

411. SPOKEN AND WRITTEN FRENCH

Reading, writing, and reciting French, with a view to developing fluency in expression. Phonetic training directed toward a correct accent. Intended primarily for advanced students and prospective teachers. Conducted in French.

Prerequisite: French 221, 222

Mr. Strong

412. ADVANCED SPOKEN AND WRITTEN FRENCH

A continuation of French 411, with more emphasis on free composition, originality of expression, and extemporaneous speaking. Conducted in French.

Prerequisite: French 411

Mr. Strong

414. TEACHING OF FRENCH AND SPANISH
IN THE SECONDARY SCHOOL

Problems and methods of teaching French and Spanish; readings, discussions, practice work, and criticisms. Conducted in English.

Prerequisite: French 221, 222 or Spanish 221, 222

Mr. Strong

[441, 442. COMPREHENSIVE SURVEY OF FRENCH
LITERATURE]

Rapid but intensive study of the chief movements, writers, and monuments of French literature from the earliest times to the present. Conducted chiefly in French.

Prerequisite: French 221, 222

461, 462. FRENCH SEMINAR

Work of a more individual and original nature for advanced students; assigned readings; investigation of special subjects; written and oral reports; examinations.

Prerequisite: French 343, 344 or 345, 346 or 347, 348

Staff

GERMAN

Major requirements: German 105, 106 or 107, 108; 343, 344 or 345, 346 or 461, 462; 421, 422 or 441, 442; 225, 226; History 121, 122 or 223, 224; and two years of French or Spanish (if the student has not already had the equivalent in high school).

NOTE: In German 101, 102, 103, 104, 105, 106, 107, 108 students are allocated on the basis of their achievement in German as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

101, 102. ELEMENTARY GERMAN

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy German; collateral reading.

Prerequisite: none

103, 104. INTERMEDIATE GERMAN

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: German 101, 102 or two years of high school German

[105, 106. CONVERSATION, COMPOSITION, AND READING]

Practice in speaking and writing German; collateral reading in prose selected to meet the individual needs of students majoring in other fields such as the sciences, social sciences, and others. Conducted chiefly in German.

Prerequisite: German 103, 104 or three years of high school German

107, 108. READINGS IN GERMAN LITERATURE

Readings in eighteenth, nineteenth, and twentieth century poetry, prose, and drama. Masterpieces from some of the following: Lessing, Goethe, Schiller, the Romantics, Hauptmann, Sudermann, the contemporary writers, and others.

Prerequisite: German 103, 104 or three years of high school German

Mr. McCoy

225, 226. GERMANIC ARTS AND LITERATURES

The intellectual and artistic achievements of the Germanic peoples: Gothic, German, Austrian, Swiss, Dutch, and Scandinavian, as revealed in their arts and literatures. Beowulf, Nibelungenlied, Lessing, Goethe, Schiller, Heine, Kleist, Grillparzer, Hebbel, Hauptmann, Mann, Ibsen, Undset, and others; architecture, music, painting, customs. Lectures, reports, and discussions; readings in English translation; no knowledge of the German language required.

Prerequisite: sophomore standing, at least Mr. McCoy

[343, 344. GERMAN LITERATURE OF THE
EIGHTEENTH CENTURY]

The literature of the Classical Period; Klopstock, Wieland, Herder, Lessing, Goethe, and Schiller. Emphasis on a detailed study of the masterpieces of Goethe and Schiller. Additional work will be required of any student who has passed a course beyond German 107, 108.

Prerequisite: German 105, 106 or 107, 108, and junior standing at least, or special permission

[345, 346. GERMAN LITERATURE OF THE
NINETEENTH CENTURY]

Characteristic works of representative men, including Novalis, Tieck, Schlegel Brothers, Eichendorff, Rückert, Körner, Uhland, Kleist, Heine, Ludwig, Grillparzer, Hebbel, and Hauptmann. Literary movements: Romanticism, Young Germany, Realism, Naturalism. Additional work will be required of any student who has passed a course beyond German 107, 108.

Prerequisite: German 105, 106 or 107, 108, and junior standing at least, or special permission

[421, 422. GERMAN POETRY]

A general survey of German poetry, lyrical and dramatic, from the earliest times to the present. Additional work will be required of any student who has passed a course beyond German 107, 108.

Prerequisite: German 105, 106 or 107, 108, and 225, 226

441, 442. COMPREHENSIVE SURVEY OF GERMAN LITERATURE

Intensive study of the chief movements, writers, and monuments of German literature from the earliest times to the present.

Prerequisite: German 105, 106 or 107, 108, and 225, 226

Mr. Bither

461, 462. GERMAN SEMINAR

Work of a more individual and original nature for advanced students; assigned readings; investigation of special subjects; written and oral reports; examinations.

Prerequisite: German 421, 422 or 441, 442

Staff

SPANISH

Major requirements: Spanish 105, 106, 221, 222, 341, 342, 347, 348; German 225, 226; History 121, 122 or 223, 224; and two years of French or German (if the student has not already had the equivalent in high school). A student desiring certification for teaching Spanish must also include French 414.

NOTE: In Spanish 101, 102, 103, 104, 105, 106 students are allocated on the basis of their achievement in Spanish as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

101, 102. ELEMENTARY SPANISH

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy Spanish; collateral reading.

Prerequisite: none

103, 104. INTERMEDIATE SPANISH

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: Spanish 101, 102 or two years of high school Spanish

105, 106. CONVERSATION, COMPOSITION, AND
READING

Practice in speaking, writing, and reading Spanish; prose and poetry; sight and collateral reading. One additional hour per week of language laboratory. Conducted chiefly in Spanish.

Prerequisite: Spanish 103, 104 or three years of high school Spanish

221, 222. INTRODUCTION TO SPANISH LITERATURE

Readings in prose, poetry, and drama of the nineteenth and twentieth centuries from the masterpieces of the literature of Spain.

Prerequisite: Spanish 103, 104 with a mark of A or B, or Spanish 105, 106

Mr. Schwartz

*341, 342. SPANISH LITERATURE OF
THE GOLDEN AGE

A study of the chief writers and works of the Classical Period: sixteenth and seventeenth centuries. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222

Miss Gardiner

†[347, 348. CONTEMPORARY LITERATURE IN
SPANISH]

First semester: Intensive study of the literature of Spain during the twentieth century, with special emphasis on the Generation of '98 and the Generation of '36. Poetry, essays, prose, and drama. Second semester: Spanish-American literature. Emphasis on the "Modernista" movement, the development of contemporary poetry and the novel. Lectures, class and outside readings, discussions, oral and written reports. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222

461, 462. SPANISH SEMINAR

Work of a more individual and original nature for advanced students; assigned readings; investigation of special subjects; written and oral reports; examinations.

Prerequisites: Spanish 341, 342 or 347, 348 Staff

DIVISION OF SOCIAL SCIENCES

Chairman: Professor Fullam

NOTE: For fulfilling the graduation requirement in social studies it is recommended that students elect a freshman-sophomore sequence of History 121, 122 and Economics 221, 222, the contents of which have been integrated.

Students may major in one of two divisional curricula or in a single department.

Combined Majors:

- (a) History, Government, Economics; Adviser, Mr. Breckenridge
Major requirements: History 223, 224 and Economics 221, 222 in the sophomore year; one advanced course in History, one in Government, and one in Economics in each of the last two years.

(b) American Civilization; Adviser, Mr. Fullam

Major requirements: History 221, 222 and Economics 221, 222 in the sophomore year; English 325, 326, Government 331, History 351, and Economics 321, 322 in junior year; History 311, 322, Philosophy 351, Art 212, and History 401, 402 in senior year.

In addition, majors in either (a) or (b) will be required to pass a general examination based largely on a selected list of about ten books; the list will be given to the student at the beginning of his junior year, and the examinations may be taken at any time during the senior year.

Social Science

101, 102. MAN AND HIS WORLD

A study of man in relation to his physical and social environment. An introduction to the whole realm of the liberal arts, the course introduces the student to the several fields of human knowledge from the viewpoint not of the subject matter of those fields, but of man himself. Lectures by the instructor and by visitors from several departments and from outside the college. Readings, weekly discussion sections and quizzes.

Prerequisite: standing not higher than freshman

Messrs. Marriner and Gilman

Business Administration

Professor Eustis; Associate Professors Seepe and Bishop;
Assistant Professor Williams; Mr. Lathrop; Mrs. Manning;
Instructor

Major requirements: Business Administration 221, 222, 321, 322, 411, 414; Economics 221, 222; and one additional year-course or its equivalent in Business Administration (above the 100 level).

121, 122. INTRODUCTION TO BUSINESS

Background concepts and information concerning the actual functioning of the American business system. A summary study is made of such major areas as marketing, forms of business organization, management controls, personnel policies, etc.

Prerequisite: standing not higher than freshman

Mr. Lathrop

141, 142. SHORTHAND

Principles of Gregg shorthand. Dictation up to 80 words per minute. See note below.

Prerequisite: none

Mrs. Manning

143, 144. TYPEWRITING

Study of touch typewriting; letter arrangement; tabulation; related topics. See note below.

Prerequisite: none

Mrs. Manning

151. ADVANCED SHORTHAND

Dictation of business letters and materials of literary, informational, and vocabulary-building value. Methods of teaching shorthand. See note below.

Prerequisite: Business Administration 142 or equivalent

Mrs. Manning

153. ADVANCED TYPEWRITING

Continuation of Business Administration 144. See note below.

Prerequisite: Business Administration 144 or equivalent

Mrs. Manning

NOTE: Shorthand may be taken either concurrently with or after typewriting. In either case academic credits toward graduation will be granted only as follows:

- (a) Three semesters of typewriting are the equivalent of one semester course.
- (b) One semester each of typewriting and shorthand are the equivalent of one semester course.
- (c) Two semesters each of typewriting and shorthand are the equivalent of a year-course.

Note especially that no credit toward graduation is granted for less than the equivalent of a semester course or for more than the equivalent of a year-course.

221e, 222. ELEMENTARY ACCOUNTING

Basic principles applicable to the construction of accounting records and preparation of financial statements for the principal forms of business organization. Examination of certain aspects of accounting theory and actual practice in the recording of transactions and preparation of statements. Two hours of class discussion and one laboratory period per week.

Prerequisite: sophomore standing at least; 221e is an "E" course.

321, 322. CORPORATION FINANCE

Study of the financing of business corporations through the promotion, organization, operation and expansion, or failure and reorganization stages of their development. Corporate securities are studied in detail.

Prerequisite: junior standing, at least

Mr. Williams

†[341, 342. ADVANCED ACCOUNTING]

More extensive and intensive study of accounting theory introduced in Business Administration 221, 222. Application of basic principles of accounting to special situations such as taxation, security promotion, etc. No laboratory.

Prerequisite: Business Administration 221, 222 with satisfactory grade

†[343, 344. MARKETING]

Study of distribution channels for various classes of consumers' and industrial commodities with emphasis on marketing institutions and their functions. Considerable time is devoted to advertising.

Prerequisite: junior standing, at least

*351. BUSINESS STATISTICS

Basic principles and methods of statistics and their application to business problems; emphasis upon systematic collection, careful analysis, logical interpretation and effective presentation of quantitative data.

Prerequisite: junior standing, at least Mr. Bishop

*352. HUMAN RELATIONS IN BUSINESS

Personnel management, the problem of labor turnover, wage and salary administration, authority and responsibility, and the relationship of the individual to others on the same and other levels in the business organization.

Prerequisite: junior standing, at least Mr. Bishop

*353. BUSINESS MANAGEMENT

Internal organization and control, plant location and layout, purchasing, materials handling, traffic, and time and motion study; with particular reference to manufacturing concerns.

Prerequisite: junior standing, at least Mr. Bishop

355. BUSINESS LAW

Fundamentals of business law. The course attempts to provide for the student the practical knowledge of the law which the business man should possess.

Prerequisite: junior standing, at least

411. PERSONAL FINANCE

The fundamental principles and their application in the management of one's personal financial affairs; the role of savings, securities investment, home ownership, and forms of life insurance.

Prerequisite: senior standing, juniors by permission

Mr. Williams

412. INVESTMENTS

The nature of investments with emphasis on the investment use of securities issued by both public authorities and private corporations.

Prerequisites: Business Administration 221, 222, 321, 322,
411 Messrs. Eustis and Williams

413. BUSINESS POLICY

Integration of the functional courses in Business Administration through consideration of a wide range of case histories from the viewpoint of management.

Prerequisite: limited to seniors majoring in Business Administration

Staff

Economics and Sociology

Professors Morrow and Breckenridge; Associate Professor Pullen; Assistant Professor Birge and Mr. Jeffery

Students planning to do social work should, at the beginning of their sophomore year, consult with the Head of the Department respecting minimum requirements.

Attention is invited to the opportunities for concentrating in combined majors: history, government, and economics; and American civilization.

ECONOMICS

Major requirements: freshman year, one physical science and History 121, 122; sophomore year, Economics 221, 222, Sociology 221, 222, and Psychology 211, 212; and at least six semester courses in economics in addition to Economics 221, 222. Students planning to do graduate study in the field of Econonmics should take at least one year-course in college Mathematics, have a good reading knowledge of French and German, and have a working knowledge of elementary statistics.

221e, 222. PRINCIPLES OF ECONOMICS

An introductory course in the principles of economics and their applications to modern economic life.

Prerequisite: sophomore standing, at least. Course 221 is prerequisite for 222, and is an "E" course.

321, 322. ECONOMICS OF GOVERNMENT REGULATION

A study of the role of government in economic life, with emphasis on regulation of public utilities, monopolies, and trade practices.

Prerequisite: Economics 221, 222. Course 321 is prerequisite for 322. Mr. Breckenridge

† [323, 324. PUBLIC FINANCE]

Problems of public revenue, expenditures, taxation, credit, financial administration, and legislation.

Prerequisite: Economics 221, 222. Course 323 is prerequisite for 324.

† [331. VALUE AND DISTRIBUTION]

The construction of a consistent body of economic theory as a foundation for further economic analysis.

Prerequisite: Economics 221, 222

† [332. HISTORY OF ECONOMIC THOUGHT]

A study of the development of economic thought from ancient times to the present, with emphasis on the period from 1750 to 1890.

Prerequisite: Economics 331

*341, 342. MONEY AND BANKING

A study of the functions of money and monetary standards; the structure and operation of commercial banking and central banking in the United States; monetary theory and its application to current monetary and banking problems.

Prerequisite: Economics 221, 222. Course 341 is prerequisite for 342. Mr. Pullen

361, 362. LABOR ECONOMICS

A study of the economic aspects of labor problems, labor history, unions and management policies, and labor legislation.

Prerequisite: Economics 221, 222. Course 361 is prerequisite for 362. Mr. Pullen

[381, 382. WORLD ECONOMICS]

This is a study of the major factors essential to an understanding of the economic issues that are confronting the World today.

401, 402. ECONOMICS SEMINAR

A seminar devoted to the consideration of the major contributions to economic theory, with emphasis on current theory.

Prerequisite: Economics 221, 222 and permission of instructor.
Mr. Breckenridge

SOCIOLOGY

Major requirements: Biology 101, 102. Economics 221, 222, Psychology 211, 212; Soociology 221, 222, 311, 312, and any two other courses. Sociology 401, 402 is required in the senior year. The following courses are especially important for students planning to enter social work: Economics 361, 362; History 221, 222; Psychology 311, 312, 333, 336; Sociology 331, 332, 341, 342.

221e, 222. PRINCIPLES OF SOCIOLOGY

An introduction to the study of human society; its growth, institutions, activities and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society.

Prerequisite: sophomore standing; for students majoring in Sociology, Biology 101, 102. Course 221 is prerequisite for 222 and is an "E" course.

[311. SOCIAL THEORY]

A study of the development of social thought from Plato to the present with special emphasis on the works of Plato, Machiavelli, Veblen and Bellamy.

Prerequisite: Sociology 221, 222

[312. POPULATION THEORY]

A survey of the major theories of population, with emphasis on reading original sources, vital statistics, population trends, and dynamic effects of population pressure.

Prerequisite: Sociology 221, 222

331. INTRODUCTION TO SOCIAL WORK

This course is designed to provide the student with an adequate background for an understanding of the various theories, agencies, institutions, laws, material equipment and historical development of the field of social work. The problems of social work are studied in case summaries.

Prerequisite: Sociology 221, 222

Mr. Morrow

332. DELINQUENCY AND CRIME

Delinquency and Crime are studied in their social and cultural perspective; the conditions and situations which encourage and facilitate anti-social conduct, the philosophy and practice of punishment, and programs for reducing or eliminating delinquency and crime.

Prerequisite: Sociology 221, 222

Mr. Morrow

351. RACE AND MINORITY GROUPS

This course presents the major problems of race and minority groups in the modern world.

Prerequisite: Sociology 221, 222

Mr. Birge

352. URBAN SOCIOLOGY

Urban Sociology is an eclectic study of the city as a sociological phenomenon. This includes the historical and ecological development of the city, population and selective migration, group life and personality, and organization and disorganization of urban areas.

Prerequisites: Sociology 221, 222

Mr. Birge

† [361, 362. CULTURAL ANTHROPOLOGY]

A course in introductory anthropology with special emphasis on the implications of the social and cultural experiences of primitive people for modern society.

Prerequisite: Sociology 221, 222. Course 361 is prerequisite for 362.

391d. MARRIAGE AND THE FAMILY

A course which presents the available scientific knowledge about marriage. It deals with: mate selection, courtship, engagement, sex relations, emotional maturity, legal control, in-laws, finances, family planning and reproduction, family maladjustments, and the functions of marriage counseling. This is a one semester course given each semester.

Prerequisite :senior standing, or Sociology 221, 222

Mr. Morrow

401, 402. SOCIOLOGY SEMINAR

A seminar in the methods of social surveys, field studies, and research.

Prerequisite: Sociology 311, 312 and senior standing

Mr. Morrow

Education and Psychology

Professor Colgan; Associate Professor Smith;
Assistant Professor Gillespie

The College, through this department, has made it possible for students to meet the minimum requirements established by the Maine State Department of Education for the First Provisional Secondary Certificate. That certificate is granted to college graduates who have completed eighteen semester hours in Psychology and Education (no more than six of which may be in psychology).

Students preparing for high school teaching should qualify in at least two subject fields; this may mean limiting the elections in any one subject to the minimum requirements for a major, and building up a second subject to approximate concentration. Both of these subjects should be such as are ordinarily taught in high schools. With respect to this and other professional factors, prospective teachers must consult with the staff of this department before the junior year.

Candidates for certification and recommendation would be well advised to consider the need for possessing markedly more than average endowments or acquirements in health, posture, voice, general appearance, physical and mental vigor, emotional stability, in the major personality traits and in scholarship. Special methods courses may be included among the courses presented for certification. No student will be permitted to elect more than two full courses in Education in any one year.

The following is a suggested course sequence:

Education 211 and 212	6 hours Sophomore Year
Education 311 and 312	6 hours Junior Year
Psychology 332	3 hours Junior Year
Education 411d	3 hours Senior Year
	<hr/>
	18 hours

(A Special Methods course or Education 413d, for qualified candidates, may be substituted for Education 411d.)

Candidates for positions as Directors of Physical Education are required to obtain a special certificate; this requirement may be met by completing a year-course in biology or physiology and Physical Education 311, 312.

EDUCATION

211. INTRODUCTION TO EDUCATION I.

An orientation course especially designed for prospective teachers. The historical, philosophical, and practical aspects of American Education will be discussed with special emphasis upon teaching as a professional career.

Prerequisite: sophomore standing, at least Mr. Smith

212. INTRODUCTION TO EDUCATION II.

This course is a continuation of Education 211. The major emphasis will be placed upon American Secondary Education with a discussion of such topics as the aims, functions, curriculum organization, and current problems in the field.

Prerequisite: Education 211 or special permission

Mr. Smith

311. GENERAL METHODS OF JUNIOR-SENIOR HIGH SCHOOL TEACHING

Methods of classroom instruction and management; problems of the novice; observation of teaching in local schools. Techniques of pupil counseling; marking and reporting; the use of standard tests and scales; use of informal objective-type and improved essay-type tests.

Prerequisite: junior standing

Mr. Smith

312. EDUCATIONAL PSYCHOLOGY

Principles of the learning process; acquiring knowledge and skills, attitudes and appreciations; study of the child as a learner and member of the school community; physical and mental health of the teacher.

Prerequisite: junior standing

Mr. Smith

411d. DIRECTED TRAINING IN JUNIOR-SENIOR HIGH SCHOOL

A semester of student-teaching, including observation of classroom procedures and actual teaching under supervision; conferences and reports. A course required in many states for certification. Offered each semester.

Prerequisites: senior standing. Education 311 (either passed or elected concurrently), and special permission from instructor. Additional time must be provided in student's program for travel between campus and school. Enrollment in this course is limited to fifteen students each semester.

Mr. Smith

413d. PROBLEMS IN EDUCATION

Independent study of special problems in education. Intended for high ranking seniors and others whose training and experience qualify them for the work.

Prerequisite: senior standing and special permission
Messrs. Colgan and Smith

SPECIAL TEACHING METHODS

English 411, 412: The Teaching of English

French 414: Teaching French and Spanish in Secondary School

Mathematics 392; Teaching of Mathematics in Secondary School

Physics 331: Teaching Science in Secondary School

PSYCHOLOGY

Major requirements: Psychology 201, 202, and eighteen additional hours in psychology; Biology 101, 102 or Sociology 221, 222 (with mark of C or better in either of these subjects). Psychology 335, 336 and Psychology 421 and/or 422 are required of students planning to do graduate work. Note: courses in advanced physics, biology, and statistics, and a good reading knowledge of French and German will prove especially valuable for graduate study.

201, 202. GENERAL PSYCHOLOGY

Human behavior and its physiological foundations; learning, memory, intelligence and its measurement; personality factors; effective adjustment to life. General biology is highly desirable as preparation for this course.

Prerequisite: sophomore standing, at least Mr. Colgan

311. APPLIED PSYCHOLOGY

Applications of psychology to business, industry, personnel problems, psychopathology, and mental health.

Prerequisite: Psychology 202 Mr. Colgan

312. MENTAL HYGIENE AND GENERAL SEMANTICS

Basic principles. Problems of language and reality, abstracting and labeling. Common maladjustments and semantic re-education.

Prerequisite: Psychology 202 with mark of C or better.

Mr. Colgan

321e, 322. EXPERIMENTAL PSYCHOLOGY

The application of scientific methods to the study of mental processes and to human affairs in everyday life.

Prerequisites: Psychology 202 with mark of C or better; Psychology 335 (either passed or elected concurrently). Psychology 321 is prerequisite for 322 and is an "E" course.

Mr. Gillespie

331. CHILD PSYCHOLOGY

Genetic study of childhood from the pre-natal period to adolescence; problems of adjustment to growth and to social environment. Intended for students interested in teaching, social work, counseling, and parenthood.

Prerequisite: junior standing, at least

Mr. Smith

332. ADOLESCENT PSYCHOLOGY

A sequent of Psychology 331, with special emphasis on the psycho-physical adjustments of adolescence, social relations, career motivations, and emotional balance.

Prerequisite: junior standing, at least

Mr. Smith

333. SOCIAL PSYCHOLOGY

A systematic approach to the study of the behavior of the individual in social situations. Social attitudes, inter-personal relations, and group memberships; the relation of personality organization to social behavior.

Prerequisite: Psychology 202 with mark of C or better.

Mr. Gillespie

334. SOCIAL PSYCHOLOGY: ADVANCED COURSE

Continuation of Psychology 333. Special topics in Social Psychology, such as Communication (including the mass media). Public Opinion, Group Processes.

Prerequisite: Psychology 333

Mr. Gillespie

335. ELEMENTARY STATISTICS

An introduction to quantitative methods in psychology. Problems in the description and interpretation of psychological observations.

Prerequisite: Psychology 202 with mark of C or better

Mr. Gillespie

336. MEASUREMENT IN PSYCHOLOGY

A survey of methods for obtaining psychological data: testing and experimentation, interviewing and polling, observational and other techniques used in the scientific study of human behavior.

Prerequisite: Psychology 335

Mr. Gillespie

337. THE PSYCHOLOGY OF PERSONALITY

The organization and determinants of personality; motivational processes; a survey of methods and theoretical structures.

Prerequisite: Psychology 202 with mark of C or better

Mr. Gillespie

**338. THE PSYCHOLOGY OF PERSONALITY:
ADVANCED COURSE**

A continuation of Psychology 337, with emphasis on the understanding of personality through a variety of approaches. This course will be partly organized around case studies.

Prerequisite: Psychology 337

Mr. Gillespie

421, 422. SEMINAR IN PSYCHOLOGY

Independent study of special problems. Intended for students whose training and experience qualify them for self-motivated effective work in a specific area.

Prerequisite: senior standing and special permission
Mr. Colgan and Staff

History and Government

Professor Fullam; Associate Professor Flechtheim;
Assistant Professor Gillum, Assistant Professor Ward

Attention is invited to the opportunity for concentrating in (1) history, government and economics; (2) American civilization. See page 83.

HISTORY

Major requirements: eight semester courses in history, including History 121, 122 (unless special exemption is granted), two semester courses in government, and at least two semester courses in another department of the Division of Social Sciences. Economics 221, 222 is particularly recommended.

**121e, 122. THE DEVELOPMENT OF
WESTERN THOUGHT AND INSTITUTIONS**

An introductory study of the main historical trends from the Greeks and Romans to the present day, and of the ideas and institutions which have contributed to the shaping of contemporary civilization.

Prerequisite: none; 121 is an "E" course and is prerequisite for 122.
Mr. Ward and Staff

221e, 222. HISTORY OF THE UNITED STATES,
1776-1952

United States history from the Declaration of Independence to the present time, with special emphasis on the evolution of American ideas and institutions.

Prerequisite: sophomore standing, at least; 211 is an "E" course and is prerequisite for 222. Mr. Fullam

223e, 224. HISTORY OF MODERN EUROPE

An examination of the currents of change from the days of Voltaire to the present, with special emphasis on the role of ideas in politics, as a background for the ideological and political problems of today.

Prerequisite: 121e, 122, and at least sophomore standing; may also be taken with special permission. 223 is an "E" course and is prerequisite for 224.

241e, 242. HISTORY OF ENGLAND

The main trends in English History from the earliest times to the present.

Prerequisite: sophomore standing, at least, History 121e, 122, or special permission. Mr. Gillum

243e, 244. SOCIAL AND CULTURAL HISTORY OF
ENGLAND

English history, with particular attention to the social and cultural backgrounds of English intellectual and literary achievements.

Prerequisite: sophomore standing, at least; 251 is an "E" course, and is prerequisite for 252. Mr. Gillum

261, 262. CLASSICAL CIVILIZATION

The cultures of Greece and Rome, and their contribution to the western world.

Prerequisite: sophomore standing, at least. Mr. Bliss

[291. HISTORY OF THE FAR EAST]

History of the Far East, particularly China and Japan, in modern times, with special emphasis on the Far Eastern policy of the United States.

Prerequisite: sophomore standing, at least

[296. HISTORY OF LATIN AMERICA]

A survey of the colonial period and the history of the countries of Latin America, with emphasis on contemporary problems and inter-American relations.

Prerequisite: sophomore standing, at least

[311. AMERICAN COLONIAL HISTORY, 1492-1763]

European exploration and discovery; the settlement and development of the American colonies and institutions.

Prerequisite: History 221, 222 and junior standing, at least

[312. THE AMERICAN REVOLUTION AND THE
FORMATION OF THE UNION]

A continuation of History 311.

Prerequisite: History 311

[313. SOCIAL AND INTELLECTUAL HISTORY OF
THE UNITED STATES]

A survey with emphasis on the evolution of social institutions, the development and interplay of scientific, artistic, and literary currents.

Prerequisite: History 221, 222

[314. HISTORY OF WESTWARD EXPANSION]

Study and critical evaluation of the frontier thesis in American History.

Prerequisite: History 221, 222

332. INTELLECTUAL AND CULTURAL HISTORY
OF MODERN EUROPE

A study of the principal trends and leaders of new thought (Darwin, Mazzini, Marx, Nietzsche, Bakunium, Sorel, Freud et al.) with emphasis on the nineteenth and twentieth centuries.

Prerequisite: History 223, 224, junior standing, or special permission
Mr. Flechtheim

[334. HISTORY OF CENTRAL EUROPE]

Background and history of Germany, Austria-Hungary, and Czechoslovakia from 1648 to the present time, with special emphasis on the role of Central European countries during the world crises of 1789, 1914, and 1939.

Prerequisite: History 121e, 122, and junior standing, at least.

352. HISTORY OF RUSSIA

Political and social development of the Russian people from the time of Peter the Great to the present, with special emphasis on the emergence of Soviet Russia as a world power.

Prerequisite: 223e, 224, and junior standing, at least.

Mr. Flechtheim

353. ENGLISH CONSTITUTIONAL HISTORY

The origin and development of the institutions of government from the earliest times to parliamentary supremacy in modern England.

Prerequisite: junior standing, at least, and two previous year courses in history or government.
Mr. Gillum

371. MEDIEVAL CIVILIZATION

The history of Western Europe from the early Carolingians to 1300, as a study of the way in which characteristic western institutions and cultural forms took shape in a general social advance.

Prerequisite: junior standing, at least, History 121e-122, and at least one other year course in history; also by special permission. Mr. Ward

372. RENAISSANCE AND REFORMATION

A survey of the period of transition from the medieval to the modern world.

Prerequisite: junior standing, at least, History 121e-122, and at least one other year course in history; also by special permission. Mr. Ward

401, 402. HISTORY SEMINAR

Critical study and evaluation of sources and documents; methods of historical research, important historians, and some problems of the philosophy of history.

Prerequisite: senior standing, with concentration in history; B average in history courses, or by special permission. Mr. Flechthem and Staff

411d. TOPICS IN HISTORY

Study of History through special topics.

Prerequisite: senior standing and History major Staff

GOVERNMENT**221e, 222. FOREIGN GOVERNMENTS AND POLITICS**

A comparative study of the backgrounds, institutions, and policies of the governments of Great Britain, France, Germany, Russia, etc., with stress on the developments since World War II.

Prerequisite: History 121, 122, and sophomore standing, at least; 221 is an "E" course and is prerequisite for 222.

Mr. Flechtheim

321e, 322. POLITICAL THEORY

A systematic survey of the history of political thought from Plato to Hitler emphasizing the problems of change, authority, and governmental functions.

Prerequisite: History 223, 224 and junior standing, at least; 321 is an "E" course.

Mr. Flechtheim

331. AMERICAN GOVERNMENT AND POLITICS

The organization and administration of the American national government.

Prerequisite: junior standing, at least; one other year course in history or government.

Mr. Fullam

332. POLITICAL PROBLEMS

A study of select problems in modern politics. Conducted with a forum of guest lecturers.

Prerequisite: Government 331.

Mr. Fullam

[351. AMERICAN FOREIGN POLICY]

A survey of the historic principles of foreign policy, and modern problems.

Prerequisite: History 221, 222 or 223, 224; and junior standing, at least.

352. INTERNATIONAL RELATIONS

Basic factors governing international relations and contemporary world problems, with attention to the United Nations.

Prerequisite: junior standing, at least, and two previous courses in history, government, or economics. Mr. Gillum

[412. RESEARCH IN UNITED STATES GOVERNMENT]

Conducted as a seminar, with an original research project required.

Prerequisite: Government 331

Philosophy and Religion

Professor Bixler; Associate Professors Clark and Osborne;
Mr. Gilman

PHILOSOPHY

Major requirements: Philosophy 211, 212, 331, 332, 381 or 382, and three further semester courses selected with the approval of the department.

211. INTRODUCTION TO PHILOSOPHY

A survey of the chief fields of philosophy and a discussion of some major ideas and problems in each field with an emphasis on the relevance of such discussions to the problems of contemporary thought.

Prerequisite: sophomore standing, at least Mr. Clark

212. LOGIC

A study of the distinction between valid and invalid reasoning in common thought. An introduction to the logic of scientific method, and to the role of logic in the varied forms of human thought. The syllogism, and other forms of valid inference.

Prerequisite: sophomore standing, at least, except that freshmen qualified may be accepted. Mr. Clark

301, 302. ETHICAL ISSUES IN THE MODERN WORLD

A course taught cooperatively by all members of the Department of Philosophy and Religion and some outside speakers, dealing with decisions which the citizens of a Democracy is called upon to make today on such issues as: the control of atomic energy, the safeguarding of minority rights in America, and the regulation of the profit motive in contemporary society. Other topics: the ethics of freedom and security, love, marriage and the family, business and professional relationships and organizations.

Prerequisite: junior standing, at least; and a grade of C or better in each of two year-courses from the offerings of two different departments in the Division of Social Sciences.

Staff

311. PHILOSOPHY AND MODERN SCIENTIFIC
THOUGHT

The philosophical implications of modern Astronomy, the Theory of Evolution in Biology, and some of the findings of recent Physics. The relationship of these studies to the social sciences, and to the understanding of Western culture, Ethics, Art, and Religion.

Prerequisite: junior standing, at least

Mr. Clark

312. ETHICS

The relation between facts and ethical values. The basis of judgment on questions of right and wrong. A study of some of the outstanding forms of Western ethical thought, their relationship to science, and to contemporary social problems.

Prerequisite: junior standing, at least Mr. Clark

331. HISTORY OF ANCIENT PHILOSOPHY

An attempt to discern the movement of thought and the ideas of enduring significance in Greek philosophy from its earliest beginnings to its climax in Athens. Special consideration is given to the thought of Socrates, Plato, and Aristotle.

Prerequisite: junior standing, at least Mr. Gilman

332. HISTORY OF MODERN PHILOSOPHY

The study of European philosophy from Bacon to Bergson, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkley, Hume, Kant, Hegel, Schopenhauer.

Prerequisite: junior standing, at least Mr. Gilman

351. AMERICAN THOUGHT

From Jonathan Edwards to John Dewey. Readings from representative thinkers, including Woolman, Jefferson, Paine, Emerson, Pierce, Royce, and Santayana.

Prerequisite: junior standing, at least Mr. Bixler

[372. PHILOSOPHY OF RELIGION]

An analysis of the religious point of view and a consideration of some of the problems it has raised for outstanding thinkers from Plato to James.

Prerequisite: junior standing, at least

381, 382. PHILOSOPHY SEMINAR

Careful study of special topics chosen each year to meet the needs of the students involved. Ordinarily the course is limited to students majoring in the department, but others with special qualifications may be admitted with the consent of the instructors.

Prerequisite: junior standing, at least. Philosophy 21¹, 212 or Philosophy 331, 332 and two further semester courses in Philosophy. Staff

RELIGION

Major requirements: Religion 101, 102, 211, 212, 213, 214, 381, 382, and either Philosophy 312 and 372 or Philosophy 301, 302.

101, 102. THE RELIGIOUS HERITAGE OF THE WEST

The development of Judeo-Christian religion: its origins, and its influence on the growth of Western culture, its relevance in the modern world, and its relationships to the problems of modern thought.

Prerequisite: standing not higher than sophomore

Messrs. Osborne, Gilman and Clark

211. GREAT RELIGIONS OF THE WORLD

Hinduism, Buddhism, Judaism, Christianity, Mohammedanism. This course provides a suitable background for Philosophy 372 (Philosophy of Religion).

Prerequisite: sophomore standing, at least Mr. Osborne

212. GREAT RELIGIOUS PERSONALITIES

A critical evaluation of the lives and work of many Christian leaders, with particular reference to their beliefs, accomplishments, similarities and differences, historical influence, and to the movements which bear their names.

Prerequisite: sophomore standing, at least Mr. Osborne

213. THE BIBLE: OLD TESTAMENT

Reading and study of the Old Testament and the Apocrypha to gain an understanding of the historical development of the religion of Israel and the principal ideas of its religious message.

Prerequisite: sophomore standing, at least Mr. Gilman

214. THE BIBLE: NEW TESTAMENT

Reading and study of the New Testament with special consideration of the life of Jesus, the history of the early Christian church, and some of the principal ideas of its religious message.

Prerequisite: sophomore standing, at least Mr. Gilman

381, 382. RELIGION SEMINAR

Careful study of special topics in Religion. Ordinarily the course is limited to students majoring in the department, but others with special qualifications may be admitted with the consent of the instructors.

Prerequisite: junior standing, at least; and two year-courses in Religion. Staff

DIVISION OF SCIENCE

Chairman: Professor Weeks

Biology

Prof. Scott; Miss Dunham, and

Major requirements: Biology 101, 102, 211, 241, 242, 251, 252, 253, 312, 316. Students looking forward to graduate study in Biology should consult with the head of the department as to election of other science courses. For certain types of graduate work, courses in other science departments, chemistry, geology, mathematics or physics, may be advisable or necessary. Graduate school language requirements should be carefully considered.

101, 102. GENERAL BIOLOGY

An introduction to the science of biology.

Staff

211. BOTANY

A study of the morphology, physiology, ecology and classification of plants.

Prerequisite: Biology 101, 102

241, 242. COMPARATIVE ANATOMY OF THE
VERTEBRATES

A comparative study of vertebrate animals, their structure, natural history and relationships. Dissection of a dogfish, mudpuppy, turtle, bird, and cat.

Prerequisite: Biology 101, 102; 241 is prerequisite for 242.
Miss Dunham

251. VERTEBRATE EMBRYOLOGY

A study of the early vertebrate development with special attention to the chick in the laboratory. Consideration of implications of experimental embryology. Maturation of germ cells, cleavage, and early organogenesis.

Prerequisite: Biology 101, 102

Mr. Scott

252. MICROSCOPIC ANATOMY AND TECHNIQUE

A study of fundamental animal tissues and of the preparation of material for microscopic examination. Practice in making whole mounts, blood smears and paraffin sections.

Prerequisite: Biology 101, 102

Miss Dunham

† [253. INVERTEBRATE ZOOLOGY]

An introduction to the morphology, physiology, embryology, ecology, and economic importance of animals without backbones. (A summer course at some seashore laboratory may be substituted for Biology 253.)

Prerequisite: Biology 101, 102

255. MICROBIOLOGY

A study of yeasts, molds, and bacteria; their role in the living world, and their relation to man and his activities.

Prerequisite: Biology 101, 102; Chemistry 121, 122

312. GENETICS

A study of the mechanism of heredity; its application to man and its social importance.

Prerequisite: Biology 101, 102 and junior standing, at least
Mr. Scott

314. GENERAL PHYSIOLOGY

An introduction to the physiological processes, including enzyme action, respiration, permeability, muscular contraction and nervous hormonal coordination.

Prerequisite: Biology 101, 102; Chemistry 121, 122

421, 422. SPECIAL PROBLEMS

Prerequisite: special permission. Normally this course is open only to those who have completed or are in process of completing the courses required for a biology major. A special problem will be chosen, and the work will be directed by a member of the department staff.

Chemistry

Professor Weeks; Associate Professor Ray

Professional Major

Requirements: Chemistry 121, 122, 211, 222, 223, 224, 321, 322 and at least one of the more advanced year-courses; Physics 121, 122 or 123, 124; Mathematics 123, 124, 221, 222. Two years of German are recommended.

Non-Professional Major

Requirements: Chemistry 121, 122, 211, 212, 221, 222, 223, 224. Other courses which will best suit the needs of the student should be selected in consultation with the head of the department.

121, 122. GENERAL CHEMISTRY

History, occurrence, distribution, preparation, properties, and uses of the elements and their principal compounds. Four semester hours of credit per semester.

Prerequisite: standing not higher than junior; 121 is prerequisite for 122

Mr. Weeks

211. QUALITATIVE ANALYSIS

The reactions and detection of the metallic and non-metallic ions and radicals, based upon the theory of ionization and mass action.

Prerequisite: Chemistry 121, 122

Mr. Ray

212. CHEMICAL PRINCIPLES

The fundamentals of theoretical chemistry, based upon quantitative measurements. The laboratory includes physical chemical measurements and some practice in semimicro qualitative analysis.

Prerequisite: Chemistry 211

Mr. Ray

221, 222. QUANTITATIVE ANALYSIS

Theoretical and practical instruction in quantitative analysis as illustrated by selected gravimetric, volumetric, and electro-chemical methods. Three hours of laboratory work per week in addition to those regularly scheduled are required of students majoring in chemistry.

Prerequisite: Chemistry 211, 212 (either passed or elected concurrently) Mr. Ray

223, 224. ORGANIC CHEMISTRY

The preparation, reactions, properties, and structure of the aliphatic, carbocyclic, and heterocyclic compounds. Four semester hours of credit per semester.

Prerequisite: Chemistry 121, 122; 223 is prerequisite for 224 Mr. Weeks

321, 322. PHYSICAL CHEMISTRY

The theories, fundamental laws, and methods of physical chemistry.

Prerequisite: Chemistry 211, 212; and 221, 222. Math 221, 222 either passed or elected concurrently Mr. Ray

[421, 422. SEMINAR IN ANALYTICAL CHEMISTRY]

[441, 442. SEMINAR IN PHYSICAL CHEMISTRY]

461, 462. SEMINAR IN ORGANIC CHEMISTRY

Mr. Weeks

[481, 482. SEMINAR IN INORGANIC CHEMISTRY]

All seminars require conferences, library work, and experiments in the field indicated. All have as prerequisites Chemistry 121, 122, 211, 212, 221, 222, 223, 224, 321, 322 (either passed or taken concurrently).

Geology and Geography

Professor Koons, Instructor.

Major requirements: Geology 101, 102, 221, 222, 412, and three additional semester courses from the Department listings, students preparing for professional work in Geology should elect at least one year in mathematics, physics, chemistry, and biology early in the college career. A reading knowledge of French and German is required of doctoral candidates at all graduate schools.

GEOLOGY**101, 102. PHYSICAL AND HISTORICAL GEOLOGY**

The topographic forms of the earth's surface and the agencies which produce them: rivers, subsurface water, glaciers, winds, waves and currents; volcanism and the forces of crustal deformation. The history and structure of the earth and the record of life in the geologic past. Fossils and their significance in dating the geologic record. Local field trips.

Prerequisite: none

Mr. Koons

221, 222. MINERALOGY AND PETROLOGY

Crystallography, chemical analysis and methods for determination of minerals. Rocks of the earth's crust, their origin, structure, and composition. Economic significance of rocks and minerals.

Prerequisite: Geology 101, 102

231. MAP INTERPRETATION

Systematic study of the origin, history and classification of landforms, based on study of the topographic maps of the United States.

Prerequisite: Geology 101, 102

Mr. Koons

232. PHYSIOGRAPHY OF THE UNITED STATES

The geologic structure, geomorphic history, and physiographic divisions of the United States.

Prerequisite: Geology 101, 102

Mr. Koons

251. PALEONTOLOGY

Introduction to the study of fossils as clues to conditions in the geologic past, their classification, and their bearing on the theory of Evolution.

Prerequisite: Geology 101, 102

252. ADVANCED HISTORICAL GEOLOGY

Study of sedimentary rocks and their history, development of the North American continent, index fossils and their significance.

Prerequisites: Geology 101, 102, 251

†[271. GEOLOGIC FIELD METHODS]

Construction of topographical and geological maps; interpretation of aerial photographs; preparation of brief reports.

Prerequisites: Geology 101, 102, 221, 222 taken or elected concurrently.

†[272. STRUCTURAL GEOLOGY]

Analysis of rock structures and their significance; structural problems; the structure of the Waterville region.

Prerequisites: Geology 101, 102, 221, 222 taken or elected concurrently

† [291. GLACIAL GEOLOGY]

Mechanics of ice; history and deposits of the Glacial period, with special attention to features in Maine.

Prerequisite: Geology 101, 102

311. ADVANCED PHYSICAL GEOLOGY

Study of the geology of continents and ocean basins, regional structures, crustal forces, and theories of earth origin. Regular reports and discussions.

Prerequisites: Geology 101, 102, 232, and junior standing, at least Mr. Koons

412. APPLIED GEOLOGY

Geological science in modern life; mining, quarrying, geophysical problems; ground water, soil conservation; structural problems of dams and tunnels. Regular reports and discussions.

Prerequisites: Geology 101, 102, 221, 222 and senior standing Staff

GEOGRAPHY

No courses in Geography are offered in 1952-53.

Mathematics

Professor Combellack; Assistant Professor Pinette;
Mr. Stanley

Major requirements: Mathematics 123, 124, 221, 222, 321, 322, 341, 342, 361, 362, 421, 422. Mathematics 381 may be substituted for 322 by permission. Courses used in computing C average: all mathematics courses.

121, 122. BASIC COLLEGE MATHEMATICS

Intermediate and college algebra, elements of plane trigonometry, introduction to plane analytic geometry. Students who elect this course and wish to elect further courses in mathematics must consult the Head of the Department.

Prerequisite: one year or a year and a half of high school algebra and one year of plane geometry; 121 is prerequisite for 122. Students who have passed two years of high school algebra are not eligible to elect this course.

Mr. Combellack

123, 124. ELEMENTARY FUNCTIONS

College algebra, plane trigonometry, plane analytic geometry, and introduction to calculus.

Prerequisite: a year and a half or two years of high school algebra and one year of plane geometry; 123 is prerequisite for 124.

Students who have passed 121 are not allowed credit for 123.

221, 222. ELEMENTARY DIFFERENTIAL AND INTEGRAL CALCULUS

Differentiation of functions; maxima and minima; related rates; velocity and acceleration; parametric and polar equations; partial derivatives; total differential; methods of integration with applications to geometry, physics, and mechanics, using rectangular and polar coordinates.

Prerequisite: Mathematics 123, 124; 221 is prerequisite for 222
Miss Pinette

321, 322. DIFFERENTIAL EQUATIONS AND INTRODUCTORY APPLIED MATHEMATICS

Solutions of elementary differential equations, followed by an introduction to selected topics in applied mathematics such as solutions of differential equations by means of infinite series, Bessel Functions, Fourier Series, and vector analysis.

Prerequisite: Mathematics 221, 222; 321 is prerequisite for 322
Mr. Combellack

† [341, 342. GEOMETRY]

Analytic geometry of two and three dimensions; projective geometry.

Prerequisite: Mathematics 221, 222; 341 is prerequisite for 342

*361, 362. ADVANCED AND HIGHER ALGEBRA

Theory of equations; determinants; matrices; the concept of a group, a ring, and a field; linear transformations; bilinear, quadratic, and Hermitian forms.

Prerequisite: Mathematics 221, 222; 361 is prerequisite for 362
Mr. Stanley

*381, 382. INTRODUCTION TO MATHEMATICAL STATISTICS

Frequency distributions; large-sample theory; small-sample theory Tchebycheff's Inequality; confidence limits; statistical design.

Prerequisite: Mathematics 221, 222; 381 is prerequisite for 382
Mr. Stanley

*392. TEACHING OF MATHEMATICS IN THE SECONDARY SCHOOLS

History of mathematics and a consideration of its purposes and values in the secondary school; study of school texts; demonstration teaching by each student.

Prerequisite: Mathematics 221, 222
Miss Pinette

421, 422. ADVANCED CALCULUS

The more advanced topics of calculus, including detailed study of continuity and related topics, hyperbolic functions, maxima and minima in three dimensions, Jacobians, curvilinear coordinates, line and surface integrals, infinite series, special definite and improper integrals, Beta Function, Gamma Function, complex variable, and elliptic functions and integrals.

Prerequisite: Mathematics 321; 421 is prerequisite for 422
Mr. Combellack

[441, 442. SPECIAL TOPICS]

Content varied to meet the needs and interests of individual students; such topics as: theory of functions of a real or complex variable, theory of numbers, theory of groups.

Prerequisite: Mathematics 321, 322, or by permission

Physics

Professor Brown; Mr. Yamauchi

Major requirements: Physics 123, 124 or equivalent; 211, 212, 213, 301, 302, 216; Mathematics 123, 124, 221, 222; Chemistry 121, 122. Students concentrating in physics are advised to elect additional courses in physics to provide an adequate concentration in one particular branch of the subject. Students preparing for graduate study should consult department head as early as possible. Courses used in computing "C" Average: Mathematics 123, 124, and all physics courses.

121e, 122. ELEMENTARY PHYSICS

A survey of the basic phenomena of mechanics, heat, sound, electricity, and light; selected topics in modern physics. Restricted to non-science majors who have not passed Math 123, 124. On the approval of the instructor Physics 121, 122 is equivalent to 123, 124 for the election of advanced courses. Four semester hours credit per semester.

Prerequisite: none. Whichever course is taken first is an "E" course.
Mr. Yamauchi

123e, 124. GENERAL PHYSICS

A quantitative study of mechanics, heat, sound, electricity, light, and modern physics for science majors, including pre-medical students, and those having completed Math. 123, 124. Four semester hours credit per semester.

Prerequisite: none. Whichever course is taken first is an "E" course. Mr. Brown

† [211. MECHANICS]

Statics, kinematics and dynamics with special emphasis on practical applications.

Prerequisite: Physics 123, 124; and Mathematics 221 (either passed or elected concurrently)

† [212. HEAT AND THERMODYNAMICS]

A thorough study of heat phenomena and elementary thermodynamics, with their applications to practical problems.

Prerequisite: Physics 123, 124; Mathematics 222 (either passed or elected concurrently)

*213. OPTICS

The more important topics of geometrical and physical optics; optical instruments, interference, diffraction, polarization, and spectroscopy.

Prerequisite: Physics 123, 124. Trigonometry

Mr. Yamauchi

*214. SOUND

A study of the character of sound, the physical basis of music, acoustics of rooms, and acoustical apparatus.

Prerequisite: Physics 123, 124 and Mathematics 222 (either passed or elected concurrently) Mr. Brown

***216. ELEMENTARY MODERN PHYSICS**

A study of the development of modern theories of the structure of matter; thermionic and photoelectric effects and their applications in electronic devices.

Prerequisite: Physics 123, 124 and Trigonometry

Mr. Yamauchi

***301, 302. ELECTRICITY AND MAGNETISM**

The principles of direct and alternating currents and their more important applications.

Prerequisite: Physics 123, 124 and Mathematics 221, 222

Mr. Brown

† [303, 304. ELECTRONICS]

An introduction to theoretical and experimental electronics with its application to vacuum tubes, instruments and apparatus.

Prerequisite: Mathematics 221, 222 and Physics 301, 302 or equivalent.

† [311. NUCLEAR RADIATION PHYSICS]

The fundamentals of nuclear physics and the measurement of nuclear radiation. Applications to radioactive tracer techniques and health physics.

Prerequisite: Physics 216

*331. TEACHINGS OF SCIENCE IN THE
SECONDARY SCHOOL

Consideration of special problems in the teaching of sciences usually untouched in science and education courses. Although physics is considered particularly, material is sufficiently general to apply to the teaching of any science course.

Topics include: periodical literature, visual aid, selection of textbooks, application of unit method, integration of class and laboratory, budget and inventory.

Prerequisite: two semester courses in physics, two additional semesters of another laboratory science, and an education course taken previously or concurrently. Mr. Brown

† [412. MATHEMATICAL PHYSICS]

Application of mathematics to classical physics. Special emphasis on the mathematical formulation of problems and the physical significance of the results.

Prerequisites: Physics 123, 124; Mathematics 322 either passed or elected concurrently.

421, 422. SPECIAL TOPICS

Research problems to meet the needs and interests of individual students.

Prerequisite: junior standing, at least, and permission of Staff instructor. Staff

DIVISION OF AIR SCIENCE

Air Science and Tactics

Professor Christie (Lt. Col); Assistant Professors
Corbin (Major) and O'Berry (Major)

121, 122. AIR SCIENCE I

World Political Geography, a course designed to provide a general knowledge of political geography to serve as a background for subsequent Air Force and academic subjects. Geography is presented from the global point of view.

Field laboratory includes the observation and practice of military customs, courtesy and leadership. Execution of the basic elements of drill without arms is emphasized. May be counted toward the Social Science requirement for graduation.

Prerequisite: none

Major Corbin and Staff

221, 222. AIR SCIENCE II

Air Power Concepts: Organization for the defense of the United States; Maps, Aerial Photographs and Aerial Navigation; Meteorology; Aerodynamics and Propulsion; and Applied Air Power.

Field Laboratory: Continuation of AS 121, 122, Execution of drill through squadron level. Duties and responsibilities of non-commissioned officers concerning drill, parades and ceremonies.

Prerequisite: Air Science 121, 122 or equivalent.

Lt. Col. Christie and Staff

323, 324. AIR SCIENCE III

Prerequisites: Air Science 221, 222 or equivalent.

† [423, 424. AIR SCIENCE IV]

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Chairman: Professor Loeb

Associate Professors Loeb and Roundy; Assistant Professors
Marchant and Williams; Mr. Corey and Instructors;
Drs. Dore and Reynolds

The College places special emphasis upon all measures and provisions that will promote and maintain the health and physical efficiency of its students. The immediate responsibility for this function is delegated to the Division of Health and Physical Education.

HEALTH SERVICE

The College Physician maintains at the College Dispensary daily office hours at which time all students may consult him. The College operates infirmaries for men and women with resident nurses under the direction of the College Physician, and has a consulting medical staff who may be called by the College Physician in cases of serious illness.

Every student is given a careful health examination soon after his arrival at the beginning of each year, and advised periodic checkups whenever necessary. It is a college requirement that each regularly enrolled student file a health statement and a physician's certificate. It is desirable that all remediable defects be corrected before the student enters college.

The College Physician will advise each student with physical disabilities or limitations as to the proper program for his particular case.

PHYSICAL EDUCATION FOR MEN

The Physical Education program for men is divided into three major phases: required physical education, intercollegiate athletics and intramural athletics.

All freshmen and sophomores are required to participate in organized physical education classes at least two hours a week. Selection of a regular section must be made at the time of course elections. A regulation uniform is required for students enrolled in the program, consisting of trunks, shirt, warm-up shirt and rubber soled shoes. Uniforms are secured through the College Bookstore, and each student is responsible for providing himself with the necessary equipment prior to the first meeting of the regular classes.

PHYSICAL EDUCATION FOR WOMEN

All freshmen and sophomores are required to attend three classes each week in Physical Education. Each student may select her activities after she has included the departmental requirement of a team sport, an individual sport, and dance.

Juniors and seniors may participate in all physical education activities for credit in the Women's Athletic Association.

All participation is subject to the approval of the College Physician.

Fall Season activities: archery, field hockey, and tennis; Winter Season: badminton, basketball, body mechanics, dance, varied sports, volleyball tournaments and winter sports; Spring Season, archery, dance, softball, and tennis. Sophomores in good standing may substitute one hour per week of riding or bowling during appropriate seasons.

PROFESSIONAL HEALTH AND PHYSICAL EDUCATION

The Department offers professional training to those students who are interested in preparing for positions as teacher-coach or Physical Education instructor in public and private schools. The courses not only embody training in the coaching of athletic sports but also emphasize training in Health and Physical Education for students who are interested in entering the field of teacher-coach.

311. THE ORGANIZATION AND TEACHING OF HEALTH AND PHYSICAL EDUCATION ACTIVITIES

The practice and theory of those activities included in the program of health service, health instruction, intramural athletics, and physical education in the modern school program.

Prerequisite: special permission and junior standing, at least
Mr. Loeb and Miss Marchant

312. THE ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

Administrative policies, practices, teaching methods, and standards pertaining to the execution of a modern program of athletics, physical education, and recreation in the public schools.

Prerequisite: special permission and junior standing, at least
Mr. Loeb and Miss Marchant

Note: Women's section of 311 and 312 offered in 1951-52 and alternate years only.

PREPARATION FOR GRADUATE AND PROFESSIONAL SCHOOLS

GRADUATE SCHOOLS OF ART AND SCIENCE

Competent graduates of Colby are regularly encouraged to enter graduate school for pursuance of advanced degrees. The Dean of the Faculty is the general adviser for all graduate work, and members of the faculty are always ready to guide students in the choice of graduate courses in particular fields. All seniors who have any intention of possibly attending a graduate school of arts and sciences should take the Graduate Record Examination, for which the Educational Testing Service has named Colby as one of the examination centers. There are three annual administrations of this examination, in October, February, and May. The May administration is too late for many graduate schools. Colby seniors are advised to take the examination in February.

GRADUATE SCHOOLS OF EDUCATION

An increasing number of Colby seniors intent on teaching seek admission to a graduate school of Education, to secure the Master of Education degree, a valuable asset, and in some states a necessity, for securing a teaching position in secondary school. Other Colby graduates enter the Graduate Schools of Education to become candidates for the doctorate in Educational Administration. Concerning the Graduate Schools of Education students should seek advice from the staff of the Colby Department of Education and Psychology.

GRADUATE SCHOOLS OF COMMERCE AND BUSINESS ADMINISTRATION

The valuable training for rewarding positions in business and industry which is offered by such post-graduate institutions as the Harvard Graduate School of Business Administration, the Wharton School of the University of Pennsylvania, and the Amos Tuck School of Dartmouth College, leads

many Colby graduates to seek admission into these and similar schools. At present, no graduate examination is required for entrance into any of them, but students should be ready at any time for a notice that the Graduate Record Examination, or some other battery of tests, will be required. For advice about graduate work in business, the student should consult members of the Colby Department of Business Administration.

ENGINEERING THE THREE-TWO PLAN

Colby College cooperates with the Carnegie Institute of Technology in what is known as the three-two plan of engineering education. Under this plan a student attends Colby for three years in liberal arts, then spends two years at Carnegie in a chosen branch of engineering. Upon successful completion of the five-year program the student receives the liberal arts degree from Colby and the engineering degree from Carnegie.

During the three years at Colby the engineering student must secure competent mastery of the necessary mathematics and science to assure success with the two years of intensive engineering training at Carnegie. In his Colby program, however, there is plenty of room for broad distribution in the humanities and the social studies.

The Colby part of this cooperative plan is in charge of a committee composed of the Dean of the Faculty, the Dean of Men and representatives of the departments of Mathematics, Physics, and Chemistry.

MEDICINE

The pre-medical student is free to major in any subject of his choice. The medical schools do not require a major in any one subject or any combination of subjects. They merely require general high standing and the inclusion in the stu-

dent's college program of biology, chemistry, physics, English, and foreign languages. The amount of work demanded in each of these subjects differs with different medical schools, but all require organic chemistry in addition to a year of general chemistry. Some schools require vertebrate anatomy and all schools prefer it.

The Pre-Medical Committee at Colby will help each candidate to prepare for all medical schools to which he may wish to apply. Admission to medical school is so highly competitive that it is frequently necessary for a candidate to apply to several schools.

It is strongly urged that pre-medical students take college courses in mathematics through the first year of calculus. Many medical schools place high reliance upon the marks in calculus in their selection of competitive applicants.

In the college year preceding entrance into medical school the applicant must take the Medical College Admission Test. This test, administered twice a year, in November and May, should surely be taken in November by applicants who wish to enter medical school in the following autumn, because the fall class in many schools is selected prior to the May administration of the test. The Medical College Admission Test is supervised by the Educational Testing Service, which has designated Colby College as one of the centers where the test is given. It is administered at Colby by the Dean of the Faculty.

DENTISTRY

Although some of the dental schools admit applicants who have completed three years, and sometimes only two years, of college work, the leading schools prefer applicants who hold the college degree. As in medicine, there is no demand for a particular major. Each applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which differ in quantity with different dental schools.

The Pre-Medical Committee is advisory to candidates for dentistry as well as to those for medicine.

Testing for admission to dental schools is new. The American Dental Association began a testing program in 1950, setting up testing centers, not at the colleges, but in various cities, and fixing the testing dates in the Thanksgiving recess, the Christmas recess, and the spring recess period. Since those dates vary among the colleges, it is hoped that the Dental Association will soon decide to use the facilities of the Educational Testing Service and have the test given on the college campuses.

LAW

No specific subject is required for admission into any school of law. The pre-law student is therefore free not only to major in any field of his choice; he is also free to take any subject he pleases during his college course.

Law schools vary widely in their standards of admission. Since nearly every state in the Union now requires two years of college work for all who take the bar examination, regardless of training in law school or elsewhere, the minimum requirement for entrance into any reputable school of law is the completion of two years of college. The leading schools of greatest prestige require a college degree for admission; another group requires three years of college work. Each applicant should therefore determine the exact requirements laid down by the law school of his choice.

During the college year before he intends to enter law school, the candidate must take the Law School Admission Test, administered at Colby under direction of the Dean of the Faculty on specified dates in November, February, and April. This is a national test, supervised by the Educational Testing Service.

NURSING

Under the direction of the Dean of Women, students interested in preparing for a collegiate school of nursing may arrange an appropriate program of study. The pre-nursing curriculum follows the requirements of leading graduate schools of nursing, such as those at Yale and Cornell.

It is recommended by such schools that the applicant's preparation include a sound background in history, psychology, and other social sciences, as well as in literature, English expression, and foreign languages. The specific requirements include Chemistry, Biology, and Psychology.

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Former Dean, Stevens Institute of Technology

Harry Bacon Collamore, A.M., (1952) Hartford, Conn.
President, National Fire Insurance Co.

Date in parenthesis indicates expiration of the member's three year term.

"Al," indicates election by the alumni or alumnae.

- E. Richard Drummond, M.B.A. (Al. 1953) Bangor, Maine
Treasurer, Pierce, White & Drummond
- Florence Elizabeth Dunn, M.A., Litt.D., (1954) Waterville, Maine
- Bernard Elias Esters, B.S., (Al. 1953) Houlton, Maine
President, Houlton Pioneer Times
- Guy George Gabrielson, LL.D., (1953) New York, N.Y.
President, Nicolet Asbestos Mines, Ltd.; Lawyer
- Richard Dana Hall, A.B., (1952) Waterville, Maine
- Frederick Thayer Hill, M.D., Sc.D., (1952) Waterville, Maine
Physician
- Marjorie Scribner Holt (Mrs.), A.B., (Al. 1954) Portland, Maine
- Ellerton Marcel Jette, (1953) Waterville, Maine
President, C. F. Hathaway Company
- Franklin Winslow Johnson, A.M., L.H.D., LL.D., D.C.L., (1952) Waterville, Maine
President-Emeritus, Colby College
- Fred Foss Lawrence, A.B., (1953) Portland, Maine
Treasurer, Maine Savings Bank
- Neil Leonard, LL.B., (1953) Boston, Mass.
Lawyer, Bingham, Dana & Gould
- Matthew Taylor Mellon, Ph.D., Litt.D., (1953) Pittsburgh, Pa.
Former Lecturer, University of Freiburg
- William Stark Newell, LL.D., (1954) Bath, Maine
Chairman of the Board, Bath Iron Works Corp.
- Newton Leroy Nourse, B.S., (1952) Portland, Maine
Sales Manager, The Brown Company, Boston
- Nathan Russell Patterson, B.S., (1954) Tulsa, Okla.
President, Patterson Steel Company
President, American Institute of Steel Construction
- Carroll Norman Perkins, LL.B., LL.D., (1954) Waterville, Maine
Lawyer, Perkins, Weeks & Hutchins
- Frederick Albert Pottle, Ph.D., Litt.D., (1953) New Haven, Conn.
Professor, Yale University

Sumner Sewall, LL.D., (1954) <i>Former Governor of Maine</i>	Bath, Maine
Raymond Paton Sloan, L.H.D. (1952) <i>Editor, The Modern Hospital</i>	New York, N.Y.
Winthrop Hiram Smith, A.B., (1954) <i>Partner, Merrill Lynch, Pierce, Fenner & Beane</i>	New York, N.Y.
Raymond Spinney, A.B., (Al. 1952) <i>Middlesex County National Bank</i>	Boston, Mass.
Russell Millard Squire, B.S., (1952) <i>Merchant</i>	Waterville, Maine
Reginald Houghton Sturtevant, A.B., (Al. 1952) <i>Banker</i>	Livermore Falls, Maine
Harry Ellsworth Umphrey, (Al. 1954) <i>President, Aroostook Potato Growers, Inc.</i>	Presque Isle, Maine
Ruth Hamilton Whittemore (Mrs.), A.B., (Al. 1952) <i>Teacher</i>	Portland, Maine

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Admission: Dean Marriner, chairman; the President, Vice-President, Deans Nickerson and Sherman, Mr. Bryan.

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Buildings and Grounds: President-Emeritus Johnson, chairman; Messrs. Hill and Squire and Miss Dunn.

Executive: The Chairman of the Board, chairman; the President, the Vice-President, Messrs. Collamore, Jette, Johnson, Newell and Smith. Alternates: Messrs. Hill, Sturtevant, Umphrey.

Financial Aid: President Bixler, chairman; the Chairman of the Board, Deans Nickerson and Sherman, the Treasurer, and the Director of Admissions.

Honorary Degrees: Mr. Spinney, chairman; Miss Dunn and Mr. Mellon.

Instruction: President Bixler, chairman; Messrs. Camp, Collamore, and Pottle.

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Fund Council: Mr. Sturtevant, acting chairman.

Nominations: President-Emeritus Johnson, chairman; Messrs. Drummond and Sturtevant.

Faculty 1951-52

In parentheses after each name are listed the colleges from which earned degrees have been received.

Julius Seelye Bixler, Ph.D., D.D., L.H.D., LL.D., D.C.L. (Amherst, Yale), President. Professor of Philosophy.
Residence, Mayflower Hill

Franklin Winslow Johnson, A.M., L.H.D., LL.D., D.C.L., (Colby, Chicago), President-Emeritus.
Residence, Mayflower Hill Drive

Clarence Hayward White, A.M., Litt.D. (Amherst), Professor-Emeritus of the Greek Language and Literature.
Residence, 40 Burleigh Street

George Freeman Parmenter, Ph.D., Sc.D. (Massachusetts State College, Boston University, Brown), Professor-Emeritus of Chemistry.
Residence, 7 Sheldon Place

Webster Chester, A.M., Sc.D. (Colgate, Harvard), Professor-Emeritus of Biology.
Residence, 56 Burleigh Street

Thomas Bryce Ashcraft, Ph.D. (Wake Forest, Johns Hopkins), Professor-Emeritus of Mathematics.
Residence, 34 Pleasant Street

Ninetta May Runnals, A.M., Litt.D. (Colby, Columbia), Professor-Emeritus of Education and Mathematics and Dean of Women Emeritus.

Residence, 46 Lawrence Street, Dover-Foxcroft

Wilbert Lester Carr, A.M., LL.D. (Drake), Professor-Emeritus of Latin.

Residence, 9½ West Street

Ernest Cummings Marriner, A.M. (Colby), Professor of English, Dean of the Faculty.

Residence, 17 Winter Street

Curtis Hugh Morrow, Ph.D. (Clark), Professor of Economics and Sociology.

Residence, 3 West Court

***Carl Jefferson Weber, M.A., D.Litt. (Johns Hopkins, Oxford), Roberts Professor of English Literature. Curator of Rare Books and Manuscripts.**

Residence, 42 Burleigh Street

Edward Joseph Colgan, A.M. (Harvard), Professor of Education and Psychology.

Residence, 11 Gilman Street

Arthur Galen Eustis, M.B.A. (Colby, Harvard), Wadsworth Professor of Business Administration. Vice-President.

Residence, Mayflower Hill Drive

John Franklin McCoy, A.M. (Princeton, Harvard), Professor of Modern Languages. Director of Schedule.

Residence, 36 Morrill Avenue

Lester Frank Weeks, A.M. (Colby, Harvard), Merrill Professor of Chemistry.

Residence, 31 Winter Street

Walter Nelson Breckenridge, A.M. (Tufts), Professor of Economics.

Residence, 65A Elm Street

* On leave of absence, 1951-52

**James Humphry, III, A.B., B.S. in L.S. (Harvard, Columbia), Professor of Bibliography. Librarian.

Residence, 49 Silver Street

Sherwood Fiske Brown, S.M. (Massachusetts Institute of Technology), Professor of Physics.

Residence, 27 Johnson Heights

Wilfred James Combellack, Ph.D. (Colby, Boston University), Professor of Mathematics.

Residence, China, Maine

Paul Adrian Fullam, A.M. (Harvard), Professor of History.

Residence, River Road

Luella Fredericka Norwood, Ph.D. (Carleton, Yale), Professor of English.

Residence, 25 Winter Street

Donaldson Koons, Ph.D. (Columbia), Professor of Geology.

Residence, 1 Essex Road

Allan Charles Scott, Ph.D. (Clark, Pittsburgh, Columbia), Professor of Biology.

Residence, 12 Marston Court

C. Philip Christie, A.B. (Williams), (Lt. Col. USAF), Professor of Air Science and Tactics.

Residence, 14 Nudd Street

Everett Fisk Strong, A.B. (Wesleyan), Associate Professor of Modern Languages.

Residence, 2 Elm Street

Cecil Augustus Rollins, A.M. (Colby, Harvard), Associate Professor of English.

Residence, 3 First Rangeway

Gilbert Frederick Loeb, A.M. (Springfield, Pittsburgh, Columbia), Associate Professor of Health and Physical Education.

Residence, 43 Burleigh Street

Alfred King Chapman, A.M. (Colby, Harvard), Associate Professor of English. Secretary of the Faculty.

28 Pleasant Street

** On leave of absence in Armed Forces

Ellsworth Willis Millett, A.M. (Colby, Columbia), Associate Professor of Health and Physical Education. Alumni Secretary.

Residence, 16 Dalton Street

Gordon Winslow Smith, A.M. (Boston University, Harvard), Associate Professor of Modern Languages.

Residence, 56 Burleigh Street

Arthur William Seepe, M.C.S. (Dartmouth, Amos Tuck) Associate Professor of Business Administration. Treasurer.

Residence, Taylor Avenue

Philip Stewart Bither, A.M. (Colby, Harvard), Associate Professor of Modern Languages.

Residence, 32 Morrill Avenue

Wendell Augustus Ray, Ph.D. (Bates, Harvard), Associate Professor of Chemistry.

Residence, Elmwood Hotel

John Alden Clark, Ph.D. (Amherst, Harvard), Associate Professor of Philosophy.

Residence, 24 Morrill Avenue

Norman Swasey Smith, Ed.M. (Tufts, Harvard), Associate Professor of Education.

Residence, 4½ West Street

George Thomas Nickerson, A.M. (Colby, New York University), Associate Professor of Education. Dean of Men.

Residence, 15 Johnson Heights

Barbara Aiken Sherman, A.M. (Colby, Columbia, Sorbonne, Toulouse), Associate Professor of Modern Languages. Dean of Women.

Residence, Roberts Union

Ermanno F. Comparetti, Ph.D. (Cornell), Associate Professor of Music.

Residence, 38 Morrill Avenue

*Ossip Kurt Flechtheim, Ph.D. (Cologne, Geneva, Heidelberg), Associate Professor of History.

Residence, 17½ West Street

* On leave of absence, 1951-52

Robert White Pullen, Ph.D. (Colby, Massachusetts Institute of Technology), Associate Professor of Economics.

Residence, 11 Greenwood Street

Edward Cilley Roundy, B.S. (St. Lawrence), Professor of Health and Physical Education.

Residence, 30 Morrill Avenue

Clifford Hazeldine Osborne, D.D., Associate Professor of Religion. Chaplain.

Residence, 82 Elm Street

James Morton Carpenter, Ph.D. (Harvard), Associate Professor of Fine Arts.

Residence, 4 Brooklyn Avenue

Joseph Warren Bishop, M.C.S. (Colby, Amos Tuck), Associate Professor of Business Administration.

Residence, 23 Pleasant Street

Richard Knowlton Kellenberger, Ph.D. (Oberlin, Princeton), Associate Professor of Modern Languages.

Residence, 20 College Avenue

Alice Pattee Comparetti (Mrs. E. F.), Ph.D. (Rockford, Cornell), Assistant Professor of English.

Residence, 38 Morrill Avenue

Janet Marchant, A.M. (Columbia), Assistant Professor of Health and Physical Education.

Residence, 2 Elm Street

Lucille Kathryn Pinette, A.M. (Colby, Syracuse), Assistant Professor of Mathematics.

Residence, 30 Pleasant Street

Leon Palmer Williams, A.M. (Cortland Teachers, Columbia), Assistant Professor of Health and Physical Education.

Residence, 16 Dalton Street

Richard Herbert Jaquith, M.S. (Massachusetts), Assistant Professor of Chemistry.

Residence, 22 Nash Street

Gordon Wells McKey, A.M. (Boston University), Assistant Professor of Biology.

Residence, 333 Main Street

*Jean Katherine Gardiner, A.M. (Sorbonne, Vassar, Michigan), Assistant Professor of Modern Languages.

Residence, 25 Winter Street

Pearl Rita Fisher, R.N. Assistant Professor of Nursing. Acting Director of School of Nursing.

Residence, Thayer Hospital

Henry Otto Schmidt, A.M. (Ursinus, Pennsylvania), Assistant Professor of Modern Languages.

Residence, 9 Stobie Street

Florence Elizabeth Libbey, A.B., B.S. in L.S. (Colby, Columbia), Assistant Professor of Bibliography. Acting Librarian.

Residence, 45 Winter Street

Kingsley Harlow Birge, Ph.D. (Dartmouth, Yale), Assistant Professor of Sociology.

Residence, 41 May Street

Ralph Samuel Williams, M.B.A. (Colby, New York University), Assistant Professor of Business Administration. Director of Roberts Union.

Residence, Roberts Union

Kemp Frederick Gillum, Ph.D. (Illinois, Wisconsin), Assistant Professor of History.

Residence, 25 Winter Street

Charles Nelson Corey, B.S. (Bowdoin), Assistant Professor of Physical Education.

Residence, 27 Winter Street

Paul Langdon Ward, Ph.D. (Amherst, Harvard), Assistant Professor of History.

Residence, 49 Silver Street

James MacKinnon Gillespie, A.M. (Harvard), Assistant Professor of Psychology.

Residence, 14 Park Street

* On leave of absence, 1951-52

- Samuel Edwin Corbin, A.B. (Western Maryland), (Major, USAF), Assistant Professor of Air Science and Tactics.
Residence, 60 Roosevelt Avenue
- Elmer Edman O'Berry, (Major, USAF), Assistant Professor of Air Science and Tactics.
Residence, 12 North Garand Street
- Ashton F. Richardson, B.S. (Colby), Assistant Professor of Geology.
7 Greenwood Street
- Irene McDonald Manning (Mrs. Martin), Ed.M. (Emmanuel, Boston University), Instructor in Shorthand and Typewriting.
Residence, 20 Military Avenue, Fairfield
- Doris Chase Smith (Mrs. G. W.), A.M. (Radcliffe), Instructor in English.
Residence, 56 Burleigh Street
- Francis Royster Bliss, Ph.D. (Bowdoin, North Carolina), Instructor in Classics.
Residence, 50 Boutelle Avenue
- George Henry Stanley, Jr. M.S. (Miami University, Iowa State University), Instructor in Mathematics.
Residence, 27 Edgemont Avenue
- Clifford Joseph Berschneider, A.M. (Duquesne, Pittsburgh), Instructor in History.
Residence, Averill Hall
- Stephen Hopkins Horton, Ed.M. (Harvard), Instructor in English.
Residence, 3 Pleasant Court
- Robert Mark Benbow, Ph.D. (University of Washington, Yale), Instructor in English.
Residence, 17 Hillcrest Street
- Archille Henri Biron, A.M. (Clark, Middlebury, Paris), Instructor in Modern Languages.
Residence, 272 Main Street

- Richard Carleton Gilman, A.B. (Dartmouth), Instructor in
Philosophy and Religion.
Residence, Mayflower Hill
- Anna Louise Dunham, Ph.D. (Wellesley, Columbia, Cornell),
Instructor in Biology.
Residence, 12 College Avenue
- Sonja Elizabeth Soderberg, B.S. (New York University), In-
structor in Physical Education.
Residence, 14 Nudd Street
- Hiroshi Yamauchi, Ph.D. (University of Hawaii, Harvard),
Instructor in Physics.
Residence, Small Hall
- David Krause Cornelius, A.M. (Westminster, Columbia), In-
structor in English.
Residence, 25 Winter Street
- Perley Maynard Leighton, A.M. (Colby, Columbia), Instruc-
tor in English.
Residence, 14 School Street
- Kessel Schwartz, A.M. (University of Missouri), Instructor in
Modern Languages.
Residence, 17½ West Street
- John Hale Sutherland, Ph.D. (Swarthmore, University of
Pennsylvania), Instructor in English.
Residence, 53 Silver Street
- Peter Joseph Re, A.M. (Yale, Columbia), Instructor in Music.
Residence, R.D. 11, Belgrade
- Emil Stanley Ladyko, A.M. (Columbia), Instructor in Physi-
cal Education.
Residence, 40 Pleasant Street
- Clarence Ray Jeffery, A.B. (Indiana Univ.), Instructor in
Sociology.
Residence, Mayflower Hill
- Frank Waldo Lathrop, Ph.D. (Yale, Cornell), Instructor in
Business Administration.
Residence, 28 Winter Street

Herman Belferman, A.M. (CCNY, Columbia), Instructor in
Modern Languages.

Residence, 48 Burleigh Street

Cyril M. Joly, Jr., LL.B., Lecturer in Business Law.

Residence, Mayflower Hill

Carol N. Metcalf, B.A., Assistant in Geology.

Residence, 26 Sewell St., Augusta

COMMITTEES OF THE FACULTY

The first named member of each committee is its chairman. The President is ex officio member of all committees.

ADMINISTRATIVE: President Bixler, Vice-President Eustis, Deans Marriner, Nickerson, Sherman; Professors Pullen and Combella.

ADULT EDUCATION: Professors Norman Smith, Morrow, Bishop, Libbey; Messrs. Gilman and Horton.

ATHLETICS: Professors Brown, Weeks, R. Williams; Messrs. Schmidt and Stanley.

BOOK OF THE YEAR: Professors Clark, Combella, A. Comparetti, Birge and Mr. Horton.

COMMENCEMENT: Professors Bishop, Millett, Gordon Smith, Osborne, Roundy; Messrs. Bryan and Squire; one senior man and one senior woman chosen by their class.

CONDOLENCE: Professors Strong and Osborne; Mrs. Doris Smith.

CO-ORDINATION OF ACTIVITIES: Professors Chapman, Birge Pinette, Gillum; Messrs. Lathrop and Leighton; Deans Marriner, Nickerson and Sherman.

CURRICULUM: Professors Colgan, Weeks, Bither, Clark, Pinette, Gillum; Messrs. Lathrop and Leighton; Deans Marriner, Nickerson and Sherman.

ENGINEERING PREPARATION: Dean Marriner, Vice-President Eustis, Dean Nickerson, Professors Brown, Weeks, Combella, Ray.

EXAMINATIONS: Professors McCoy, Koons, Ray; Messrs. Berschneider and Cornelius.

FOREIGN STUDENTS: Professors Kellenberger and Ward; Deans Marriner, Nickerson, Sherman; Messrs. Yamauchi and Re.

FRESHMAN WEEK: Mr. Bryan; Professors Seepe, McCoy, Osbrne, Loeb; Deans Marriner, Nickerson, Sherman; Misses Perkins, Sherburne, Nichols; Mr. Jennison.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS: Dean Marriner, Professors Norwood, Ward, McCoy, Scott; Messrs. Benbow and Yamauchi.

LIBRARY: Professors Fullam, Strong, Dunham; Messrs. Bliss and Sutherland; Professor Libbey (ex officio).

MEDICAL PREPARATION: Professors Weeks, Brown, Scott, Dunham; Deans Marriner, Nickerson, Sherman.

RHODES SCHOLARSHIPS: Professors Carpenter, Breckenridge, and E. Comparetti.

SOCIAL: Professors Jaquith, Marchant, McKey, Corey; Messrs. Biron, Schwartz, Jeffery, Ladyko; Mrs. Manning, Miss Soderberg.

STANDING OF STUDENTS: Professors Breckenridge, Strong, Koons, Loeb; Deans Marriner, Nickerson, Sherman; Miss Perkins.

ADVISORY COMMITTEES TO DEPARTMENTS

BUSINESS ADMINISTRATION: Harry E. Umphrey, chairman; Robert N. Anthony, Clyde Heath, Winthrop H. Smith, Russell B. Spear, Milroy Warren.

EDUCATION: Frank C. Foster, chairman; Franklin W. Johnson, Francis Keppel, Harland Ladd, Mark Shibles, Mrs. Ruth H. Whittemore.

FINE ARTS AND MUSIC: John E. Candelet, chairman; Samuel M. Green, Bartlett H. Hayes, Jr., Lucille Kidder, Neil Leonard, Charles F. T. Seaverns.

HEALTH AND PHYSICAL EDUCATION: E. Richard Drummond, chairman; John P. Davan, Norman C. Perkins, Russell M. Squire, Amy Thompson.

HISTORY, GOVERNMENT AND ECONOMICS: George B. Barnes, chairman; Francis F. Bartlett, Norman Padelford, Sumner Sewall, Mrs. Margaret Chase Smith, William H. S. Stevens.

LANGUAGES AND LITERATURE: Hilda M. Fife, chairman; Mira Dolley, Bernard E. Esters, Russell H. Peters, Reginald H. Sturtevant.

LIBRARY: Andrew D. Osborn, chairman; Robert B. Downs, Florence E. Dunn, Elizabeth Perkins, Raymond Spinney, Sarah Young.

PHILOSOPHY AND RELIGION: Rev. Nathanael M. Guptill, chairman; Rev. Andrew Banning, Rev. John W. Brush, Rev. Wallace Forgey, Maurice Mandelbaum, Raymond P. Sloan.

PSYCHOLOGY AND SOCIOLOGY: Mrs. William Holt, chairman; Mrs. Douglas B. Allan, O. T. Gilmore, Charles P. Nelson, David H. Stevens.

SCIENCES: Newton L. Nourse, chairman; Dr. Edmund N. Ervin, Percival C. Keith, Kermit S. LaFleur, William S. Newell, Wallace E. Parsons.

Officers

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Vice-President, Arthur Galen Eustis, M.B.A.

Treasurer, Arthur William Seepe, M.C.S.

Dean of the Faculty, Ernest Cummings Marriner, A.M.

Dean of Men, George Thomas Nickerson, A.M.

Dean of Women, Barbara Aiken Sherman, A.M.

Director of Development

Assistant to the President, Edwin Allan Lightner, A.B., A.M.

Director of Admissions, William LaFrentz Bryan, A.B.

Librarian, James H. Humphry III, A.B., B.S. in L.S.
 Superintendent of Buildings and Grounds, Willard Arthur
 Jennison, B.S.
 Recorder, Frances Norton Perkins
 Director of Food Service, Helen Nichols, B.S.
 Director of Publicity, Richard Nye Dyer, A.B.
 Alumni Secretary, Ellsworth Willis Millett, A.M.
 Chaplain, Clifford Hazeldine Osborne, D.D.
 Director of Schedule, John Franklin McCoy, A.M.
 Director of Women's Residence, Sally Irving Sherburne, A.B.
 Director of Roberts Union, Ralph Samuel Williams, M.B.A.
 Manager of Supply and Mimeograph Service, Mildred Wood
 Perkins.
 Manager of College Book Store, Millard Everett Trott.

A. F. R. O. T. C.

Lt. Colonel C. Philip Christie, A.B.
 Major Samuel Edwin Corbin, A.B.
 Major Elmer Edman O'Berry
 M/Sgt. Edward Joseph Cilley
 T/Sgt. Philip Oscar Plourde
 S/Sgt. Richard Henry Ramsay
 S/Sgt. Frederic Maurice Pupier

Secretarial Staff

Secretary to the President, Miriam Beede, A.B., B.S.
 Secretary to the Vice-President, Ruth Carolyn Gain (Mrs.
 Joseph)
 Secretary to the Dean of the Faculty, Dorothy Irena Walton
 Secretary to the Dean of Men, Georgia Marshall Thayer (Mrs.
 Jarvis)
 Secretary to the Dean of Women, Cynthia Upton White (Mrs.
 Arthur)

Secretary, Admissions Office, Frances Elizabeth Thayer, A.B.
Robert)

Secretary, Admissions Office, Joan Catherine Wulfing (Mrs.)
Secretary, Recorder's Office, Rebecca Chester Larsen (Mrs.),
A.M.

Secretary, Physical Education Office, Glenna Belle Michaud
(Mrs. Eloi)

Secretary to Superintendent of Buildings, Priscilla Cram Al-
len (Mrs. Robert)

Secretary, Development Office, Elizabeth Day Bugler (Mrs.)
Derek)

Secretary, Public Relations Office, Shirley Mae Poulin
Assistant to Alumni Secretary, Phyllis St. Clair Fraser (Mrs.),
A.B.

Secretary, Alumni Office, Elizabeth Eleanor Warren (Mrs.)
Secretary to Director of Food Service, Glenda Jay Ambrose

Library Staff

Acting Librarian, Florence Elizabeth Libbey, A.B., B.S., in L.S.
Curator of Rare Books and Manuscripts, Carl Jefferson Web-
er, M. A. (Oxon), D.Litt.

Head Cataloguer, Benton LeRoy Hatch, A.B.

Acting Reference Librarian, Donald Tait Smith, A.M., M.S.

Reference Assistant, Frances Elizabeth Diggs

Circulation Assistant, Dorothea Elizabeth Marchetti

Circulation Assistant, Dula Margaret Fisher (Mrs. Albanie)

Secretary, Earla Brown Robertson (Mrs. Floyd)

Typist, Joyce Marie Rhoades (Mrs. John)

Typist, Elizabeth Mary Williams

Typist, Jacqueline Edwin Knights

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Harriette L. Holmes (Mrs.)
 Lorilea Jose Kaake (Mrs. Robert)
 Esther Elvira Trott (Mrs. Millard)
 Juanita Constance Ouellette
 Lena Proctor Mulkin (Mrs.), B.S.

Residence Staff

Head of Dunn House, Mildred Wilkins Russell (Mrs.)
 Head of Foss Hall, Dorothy Hubbard Sims (Mrs.)
 Head of Louise Coburn Hall, Bernetta Adams Miller
 Head of Mary Low Hall, Eva Macomber Kyes (Mrs.), A.B.
 Head of West Dormitory, Laura Clement Miner (Mrs.)
 Head of Averill Hall, Clifford Joseph Berschneider, A.M.
 Head of Small Hall, Hiroshi Yamauchi, Ph.D.
 House Mother, A.T.O. Fraternity, Jane E. Cameron (Mrs.)
 House Mother, D.K.E. Fraternity, Edith Gertrude Pike (Mrs.)
 House Mother, D.U. Fraternity, Marion D. Whitehead (Mrs.)
 House Mother, P.D.T. Fraternity, Florence Stiles Sterrett
 (Mrs.)
 House Mother, T.D.P. Fraternity, Christine Whidden Lowe
 (Mrs.)
 House Mother, Zeta Psi Fraternity, Grace Madeline Frost
 (Mrs.)

Dietary Staff

Assistant Dietitian, Mary L. Trefethen, A.B.
 Assistant Dietitian, Marjory Evelyn Locke, B.S.
 Relief and Catering Assistant, Inza Taylor Foster (Mrs.)

Medical Staff

Physician, Clarence E. Dore, M.D.

Consultant in Surgery, John F. Reynolds, M.D.

Nurse, Annie Marie Dunn, R.N.

Other Staff

Assistant to Superintendent of Buildings, Andre Roland
Warren

Switchboard Operator, Malvina Libby (Mrs.)

Head Clerk, College Bookstore, Annette Cecilia Reynolds
(Mrs. Lewis)

Degrees Awarded

COMMENCEMENT

Monday, June 11, 1951

BACHELOR OF ARTS

MEN'S DIVISION

Homer Deland Achorn, Jr.	Hallowell
Wallace Lee Adams	E. Millinocket
Bernard Daniel Alderman	Magnolia, Mass.
Robert Everett Archibald	Springfield, Mass.
Philip Carleton Arey	Gardner, Mass.
Philip Hinds Bailey	Livermore Falls
Harold Loring Baldwin	Nashua, N. H.
Philip Hartwell Bangs	W. Hartford, Conn.
Richard John Barta	Needham, Mass.
Mark Treinis Basseches	Scarsdale, N. Y.
Richard Barratt Beal	Ardmore, Pa.
Clifford Allan Bean	Danvers, Mass.
Cecil Alfred Beaupre	Caribou
Robert Waddell Belyea	Caribou
Stephen J. Berkley	Forest Hills, N. Y.
Philip Joseph Bies	Waterville
Richard Burdett Birch	Belmont, Mass.
Evelyn Edward Bittar	Beirut, Lebanon
Clayton F. Bloomfield	Newport, R. I.
Richard John Bowen	Waterbury, Conn.
Frederick Richards Boyle	Medford, Mass.
Harold Edwin Brewer	Waterville
Henry Jed Bridges	Portland
Robert Harry Brotherlin	Litchfield, Ill.
Ormonde Lincoln Brown	Vassalboro
Russell Brown	Brooklyn, N. Y.
Samuel Gilman Brown	Jacksonville, Fla.
Vivian Milton Bryant, Jr.	E. Wilton
William Theodore Burgess, Jr.	Dexter

Francis Harriman Burnham	Nashua, N. H.
John Henry Butler	Stamford, Conn.
Robert Ellsworth Cannell	Everett, Mass.
Bruce Carswell	Scarsdale, N. Y.
Philip Castleman	Wellesley Hills, Mass.
Paul Francis Christopher, Jr.	Boston, Mass.
George McIntosh Collins, Jr.	Andover, Mass.
Robert Francis Conard	Waterbury, Conn.
Peter James Coney	No. Berwick
Vernon Corell, Jr.	Scarsdale, N. Y.
John Pickard Crawford	New Brunswick, Canada
Sebastian John Cultrera	Lawrence, Mass.
Robert Bradford Daggett	Waterville
Richard Carroll Davis	So. Paris
George Deeb	Waterville
Francis Edward Dyer	Providence, R. I.
Harland H. Eastman, II	Springvale
Henry Hammett Fales, Jr.	Providence, R. I.
John Warren Finegan	New York, N. Y.
Charles Malcolm Fisher	Lexington, Mass.
Ernest Vernon Fortin	Anson
Sumner Alan Fox	Brookline, Mass.
Haddon Shanklin Fraser	Waterville
Edgar Wesley Freeman	Concord, N. H.
Norval Edwin Garnett	Edgewood, R. I.
Frank Joseph Gavel	Roxbury, Conn.
George James Giffin	Readfield
John Francis Gilhooly	Waterbury, Conn.
Russell Goldsmith, Jr.	Brookline, Mass.
Kenneth Richard Graham, Jr.	Hartford, Conn.
Henry Warren Gray, Jr.	Greenwood, Mass.
Gunnar Andrew Gustafson	Fairfield
Daniel Hanson Hall	W. Newton, Mass.
Arthur Edward Hanken	Revere, Mass.
John Errol Hannah	Waterville
Ernest Franklin Harnden, Jr.	So. Portland
Chester David Harrington, Jr.	Belmont, Mass.

George Montgomery Haselton	Andover, Mass.
William Henry Heubisch, Jr.	Greenfield, Mass.
Philip Crane Heywood	Worcester, Mass.
Jere Lathrop Hughes	Mt. Vernon
Duane Alston Hurd	Madison
Robert Appleton Ingraham	China
Donald McGregor Jacobs	So. Portland
Almond Eugene Jellison	Thomaston
Richard Allen Johnson	Melrose, Mass.
Richard Fisher Johnson	Westboro, Mass.
Richard Kaplan	Providence, R. I.
James Kevin Keefe	Newton, Mass.
Thomas Richard Keene, Jr.	Nashua, N. H.
John Joseph Keough	Worthington, Mass.
Paul Briggs Kilmister	Concord, N. H.
Harvey Melvin Kirstein	Peabody, Mass.
Martin Roger Kress	White Plains, N. Y.
Richard Andre Kuehndorf	Scarsdale, N. Y.
Robert Reginald Laliberte	Waterville
Edwin James Laverty	Gorham
Robert Spence Lee	Danvers, Mass.
Frederick Will LeVeque	Columbus, Ohio
Milton Cass Lightner	Ridgewood, N. J.
Donald Ray Livingstone	Belmont, Mass.
David Earl Love	Gorham
Geoffrey Satterlee Lyford	Scarsdale, N. Y.
Guy McIntosh	Watertown, Mass.
Charles Sumner McIntyre	Marblehead, Mass.
Arthur Francis McMahan	Cambridge, Mass.
Richard Bruce Mack	Norway
Donald Dennis Maheu	Waterville
Robert Victor Marraro	Larchmont, N. Y.
Alvo Owen Martin	Sidney
Joseph Edward Martin	Mexico
Thornton Ward Merriam, Jr.	Springfield, Mass.
David William Miller	New York, N. Y.
Alan Bennett Mirken	New York, N. Y.

Fenton Rogers Mitchell, Jr.	Wakefield, Mass.
Mark Sidney Mordecai	Newton, Mass.
Robert Morrow	Johnston, R. I.
Arthur Bradford Mosher	Cambridge, Mass.
Schuyler Lenox Mott	Paris
Richard Marvin Nemrow	Brookline, Mass.
Joseph Robert Niedzinski	Nutley, N. J.
Julius Mahlon Niles	Bath
Herbert L. Panzenhagen, Jr.	Teaneck, N. J.
Theodore Parker	Brookline, Mass.
Louis Marston Patterson	Portland
Robert Warren Peale	Olean, N. J.
Benjamin Pearson, Jr.	Byfield, Mass.
Robert Peck	Newton, Mass.
Eugene Joseph Pelletier, Jr.	Middleton Mass.
Lee Raymond Prescott	Waterbury, Conn.
Karl Alfred Raup	Petersham, Mass.
Richard Pelletier Raymond	Caribou
Raymond Emanuel Reich	New York, N. Y.
Robert Vernon Reid	Caribou
Richard Edward Reny	Waterville
James William Reynolds	E. Wilton
Ian Leonard Robertson	Short Hills, N. J.
Maurice Francis Ronayne, Jr.	Malden, Mass.
Robert Merle Roth	New York, N. Y.
Wesley Irwin Rowe	Litchfield
Walter Earle Russell	Windsor, Conn.
Philip Morton Savage	Fairfield
Kenneth Newton Sawyer	Sterling Jct., Mass.
Arthur Irwin Shulkin	Swampscott, Mass.
Francis Joseph Silver	Bangor
Robert Sloane	Waterville
Richard Lawrence Smith	Mendenhall, Pa.
Stanley Lawrence Sorrentino	Providence, R. I.
Robert Flagg Staples	Whitman, Mass.
Albert Stone	Haverhill, Mass.
Arnold Houghton Sturtevant	Livermore Falls

A. Alan Sweetbaum	New York, N. Y.
James Crandall Tabor	Waterville
Loreto Tempesta	Newton, Mass.
Lloyd Richard Thompson	New York, N. Y.
William Haven Thompson	Hartford, Conn.
Alfred Gay Thomson	Passaic, N. J.
Gilbert Roland Tibolt	Newton Center, Mass.
Charles William Tobin	Whitman, Mass.
Robert Dana Tompkins	Rockland, Mass.
Robert Cross Vergobbi	Wollaston, Mass.
Richard Allan Vose	Lawrence, Mass.
George Stafford Wales	Auburndale, Mass.
George David Wasserberger	Scarsdale, N. Y.
Edward Crowley Weaver	Augusta
Sherwin Samuel Welson	Hartford, Conn.
Robert White	Newton, Mass.
Charles Hugh Whitelaw, Jr.	Birmingham, Mich.
Wilford Daniel Whiteley, Jr.	Tyngsboro, Mass.
Edward Dodge Whitney	W. Newton, Mass.
Harry Ralph Wiley	Norway
Robert Edwards Wilkins, Jr.	Farmington, Conn.
Louis Adelard Woisard, Jr.	Danielson, Conn.
Donn Gifford Wolfe	Fairfield
Richard Putnam Yeager	Scarsdale, N. Y.

WOMEN'S DIVISION

Nancy Rockwood Allan	Medfield, Mass.
Patricia Helen Anderson	Woodbridge, N. J.
Anne Court Bither	Houlton
Patricia Ann Blake	Taunton, Mass.
Glenys Blumenthal	Portland
Audrey Ann Bostwick	Philadelphia, Pa.
Chrysoula Boukis	Haverhill, Mass.
Harriet Boyer	Portland
Constance Elizabeth Burns	Terre Haute, Ind.
Joan Hivling Cammann	Weston, Mass.
Helen Leavitt Campbell	Grafton, Mass.

Jean Rosalie Castelli	Teaneck, N. J.
Sally Brooks Catron	Belmont, Mass.
Gertrude Charlotte Cleveland	Fairfield
Janet Clark	Oakland
Helen Margaret Conroy	Lexington, Mass.
Cynthia Cook	Waban, Mass.
Jean Wilson Cowie	Narberth, Pa.
Helen G. Danas	Lowell, Mass.
Priscilla Day	Cranston, R. I.
Jacqueline Ann Dillingham	Lewiston
Marie Elenore Donovan	Lawrence, Mass.
Joyce Caven Edwards	Stamford, Conn.
Nancy Anne Ewing	Haverhill, Mass.
Priscilla Sears Ford	Auburndale, Mass.
Sylvia May Fredette	Lawrence, Mass.
Barbara Jane French	Andover, Mass.
Marilyn Hughes Gracie	Billerica, Mass.
Jean Marie Griffin	Newton, Mass.
Edith Louise Harris	Belmont, Mass.
Myra Susan Hemenway	Newton Center, Mass.
Barbara Hillson	Brookline, Mass.
Carol Gertrude Huntington	Fitchburg, Mass.
Shirley Raynor Ingraham	China
Barbara Jefferson	Norwood, Mass.
Naomi Ballou Jennison	Waterville
Joanna Darling Johnston	Winchester, Mass.
Joy DeLong Keough	Houlton
Frances Freeman Kimball	Gorham
Norma Ann Kinsherf	Newton Highlands, Mass.
Shirley Ruth Kydd	Lowell, Mass.
Mary Edith Leighton	New Haven, Conn.
Ruth Leverett	Hackensack, N. J.
Nadeen Finberg Liebskind	Portland
Florence McDonell Lyford	Bridgeton, N. J.
Jean Louise MacDonald	Quincy, Mass.
Alma Ward McGowan	Waterville
Marilyn Matthes	Haverhill, Mass.

Ann Alden Morrison	Augusta
Alyce Jane Moskowitz	Mt. Vernon, N. Y.
Constance Wiley Mott	Sanford
Elaine Kathryn Muller	Dumont, N. J.
Annalee Carolyn Nelson	Pelham, N. Y.
Nancy Adele Nilson	Milton, Mass.
Charlotte Ruth Noble	Malden, Mass.
Helen Harper Palen	Waterbury, Conn.
Joan Millett Pape	Chappaqua, N. Y.
Jane Carolyn Perry	Rockland
Charlotte Elaine Pettee	Waterville
Celia Jessie Philbrook	Westbrook
Lorraine Agnes Pomerleau	Waterville
Priscilla Dolores Pomerleau	Augusta
Lois Hope Poulin	Waterville
Constance Hosmer Preble	Grosse Pointe, Mich.
Margaret Louise Preston	Cheverly, Md.
Ethel Haskell Quincy	Augusta
Sue Rees	Auburn
May Annunciata Rieker	Cynwyd, Pa.
Helen Louise Ritsher	Longmeadow, Mass.
Maxine Ann Rosenberg	New Bedford, Mass.
Marilyn Elizabeth Scott	Terre Haute, Md.
Ruth Virginia Smart	Milo
Deborah Smith	West Medford, Mass.
Mary Weston Thomas	Waterville
Nancy Webber Thompson	New York, N. Y.
Norene Tibbetts	Portland
Gay Winsor Tomlins	Noank, Conn.
Jacqueline Priscilla Toulouse	Waterville
Els Henrietta Warendorf	Scarsdale, N. Y.
Nancy Hamilton Williams	Falmouth, Mass.
Joanne Jean Yeaton	Anson

HONORS IN GENERAL SCHOLARSHIP

CUM LAUDE

Edgar Wesley Freeman	Catherine Elizabeth Burns
Helen Harper Palen	Patricia Ann Blake
Ruth Virginia Smart	Philip Hinds Bailey
Priscilla Dolores Pomerleau	Harold Edwin Brewer
Harland Horace Eastman	

DISTINCTION IN COURSE

IN BIOLOGY

James William Reynolds
 Constance Hosmer Preble
 Jacqueline Ann Dillingham

IN GEOLOGY

George McIntosh Collins
 John Pickard Crawford
 George Montgomery Haselton
 Helen Louise Ritsher

IN MODERN LANGUAGES—
GERMAN

Gilbert Roland Tibolt

IN MODERN LANGUAGES—
SPANISH

Barbara Hillson

IN PHILOSOPHY

Shirley Raynor Ingraham

IN BUSINESS ADMINISTRATION

Arnold Houghton Sturtevant
 Maxine Ann Rosenberg

IN CHEMISTRY

Eugene Joseph Pelletier

IN ENGLISH

Harriet Boyer

IN HISTORY

Schuyler Lenox Mott

IN MATHEMATICS

Richard Carroll Davis
 Joan Standish Pape

IN PRE-MEDICAL STUDIES

Thornton Ward Merriam

IN PSYCHOLOGY

Alyce June Moskowitz

HONORARY DEGREES

DOCTOR OF LAWS

Vannevar Bush, Washington, D. C.

DOCTOR OF HUMANITIES

Robert Cutler, Boston, Massachusetts

DOCTOR OF SCIENCE

Lillian Moller Gilbreth

DOCTOR OF LETTERS

William H. Rowe, Yarmouth, Maine

MASTER OF ARTS

Fred Anthoensen, Portland, Maine

Edwin Allan Lightner, Waterville, Maine

Arthur Lagueux, Quebec Canada

Pearl R. Fisher, Waterville, Maine

DEGREES AWARDED

OCTOBER 1, 1951

BACHELOR OF ARTS

MEN'S DIVISION

Robert Lester Brigham

Robert Leo Gabriel

Richard Alan Grant

Kenneth Nelson Hart

Leland Fletcher Lowery

John Reginald Cochran Moodey

Theodore Nathan Shiro

Gloucester, Mass.

Nashua, N. H.

Springfield, Mass.

Cranston, R. I.

Monticello

Hewlett, N. Y.

Waterville

WOMEN'S DIVISION

Joyce Hutchins

Highpine

The Students

Total	Men	Women
1059	586	473

MEN'S DIVISION

- Abrams, Stanley B., 79 Overhill Rd., Providence, R. I.
 Adams, Herbert R., West Scarboro
 Aldrich, Paul M., 7 Eastern Ave., Lincoln
 Alfano, Gildo T., 32 Edward Ave., Milton, Mass.
 Alpert, Hershel L., 16 Priscilla St., New Bedford, Mass.
 Alpert, J. Robert, 97 Union St., Brewer
 Alpert, Laurence H., 14 Hobart Rd., Newton, Mass.
 Ames, William C., 10 Jewett St., Northampton, Mass.
 Amidon, David T., 4 Balder Rd., Worcester, Mass.
 Amott, Jeremy J., 30 Beverly Rd., Great Neck, N. Y.
 Andersen, Dana W., 13 Grove St., Salem, Mass.
 Anderson, Charles R., 14 Lafield St., Dorchester, Mass.
 Anderson, Reginald D., 51 North St., Grafton, Mass.
 Anderson, Robert M., Hollis St., Groton, Mass.
 Anderson, Webster, 23 Bellevue Ave., Cambridge, Mass.
 Andrew, Eben S., 109 Myrtle St., Boston, Mass.
 Andrews, Malcolm E., 9 Park St., Presque Isle
 Andrews, Robert S., 15 Vista Ave., Reading, Mass.
 Appelbaum, Paul, 2714 Avenue M, Brooklyn, N. Y.
 Ardif, Robert E., 87 Harris Ave., Needham, Mass.
 Armstrong, George A., 9 Essex St., Wakefield, Mass.
¹Aschman, Llewellyn P., 87th and Brooklyn Ave.,
 Kansas City, Mo.
 Ashman, Frederick G., Paved St., Branford Conn.
 Atkins, Clarence, 76 Beech St., Norwood, Mass.
 Auger, Charles J., 19 Valley St. Ext., Willimantic, Conn.
 Baggs, Richard E., 1502 Yerkes St., Philadelphia, Pa.
¹Bailey, Ralph E., Jr., 79 Hundreds Rd., Wellesley Hills, Mass.
 Baldwin, Richard W., 19 William St., Andover, Mass.
 Barnes, Charles P., 32 Terrace Ave., Albany, N. Y.

¹ In attendance first semester, only.

- Barnes, Phinehas P., Jr., 7 Ten Eyck Ave., Albany, N. Y.
²Barnes, Robert D., 517 Westview St., Philadelphia, Pa.
 Barricini, Ira, 76 Birchall Dr., Scarsdale, N. Y.
 Barry, George F., 8 Auburn Rd., West Hartford, Conn.
 Bartlett, Richard W., 1 Story Terrace, Marblehead, Mass.
 Baum, John A., 65 Margaret Ave., Lawrence, N. Y.
 Baxter, Herbert R., 56 White Pine Rd., Newton, Mass.
 Bazer, George E., 7 Wave Ave., Revere, Mass.
 Bean, Robert H., 14 Highland Ave., Augusta
 Bear, Ross M., 81 Fox Blvd., Merrick, N. Y.
 Beatson, John A., 9 Elm Rd., Scarsdale, N. Y.
 Beatty, Richard E., 27 Peggotty Beach Rd., Scituate, Mass.
 Bechard, Robert L., 44½ Vine St., Nashua, N. H.
 Bell, Craig T., 6 Quincy Pk., Beverly, Mass.
 Bell, Lowell E., Route 2, Pittsfield
 Bellows, Stuart J., Mountain Rd., Belle Mead, N. J.
 Belzer, Folkert O., 13 Teylingerhorstlaan, Wassenaar, Holland
 Benfari, Robert C., 60-34 83 St., Elmhurst, N. Y.
 Berluti, Adam F., 148 Campbell Ave., West Haven, Conn.
 Bernard, James E., 268 Westbrook St., So. Portland
 Berns, Richard H., 33 Vassar Ave., Newark, N. J.
 Bersani, Quintilio Jr., Welch St., Norridgewock
 Beveridge, John N., 167 Putnam St., Quincy, Mass.
¹Bickford, Raymond C., Waterville Rd., Oakland
 Bishop, Donald S., St. Albans
 Bitter, Thomas, Ve de la Prairie 16, Vevey, Switzerland
¹Blanchard, T. Parker, 12A Longfellow Ave., Brunswick
 Boehm, C. Gamble, 3405 Greenway, Baltimore, Md.
 Boissevain, Andre R., 224 Old Ford Rd. Huntingdon Valley, Pa.
 Bourgon, Henry R., Thomas St., Bucksport
 Bruehl, Martin A., 225 5th Ave., Huntington, N. Y.
 Bryant, Joseph S., 47 Nichol St., So. Paris
 Bullock, H. Ridgely, Jr., Dodds Lane, Ardmore, Pa.
 Burgess, Hugh F., 1290 Commercial St., Weymouth, Mass.
 Caouette, Emile A., 46 Winter St., Skowhegan
 Carey, John T., 22 Lovell Rd., Watertown, Mass.

1 In attendance first semester, only.

2 In attendance second semester, only.

- Carr, James D., 67 Bryn Mawr Ave., Auburn, Mass.
 Carr, Robert A., 333 Main St., Waterville
 Carson, Harold E., 44 Commercial St., Hartland
 Carter, William H., 11 Tower Ave., Needham Heights, Mass.
 Cartier, Urbain G., 53 Pike St., Biddeford
¹Case, Albert R., 74 Green St., Vergennes, Vt.
¹Cassens, David L., 121 Moreland St., Roxbury, Mass.
 Castonguay, A. Kenneth, 47½ Bay St., Winslow
¹Cates, Howard B., E. Vassalboro
 Cawley, Edward J., 330 Nesmith St., Lowell, Mass.
 Chahbazi, Parviz, Shahreza, Iranshahr Ave., Namazi St.,
 Teheran, Iran
 Chaloult, Douglas P., 17 Coolidge Ave., Caribou
 Chamberlin, Richard T., 23 Prospect St., Waterville
 Chandler, Hugh S., 17 Route de Malignon, Geneva, Switzerland
¹Chaplin, Peter G., Ascutney Blvd., Weston Heights,
 Windsor, Vt.
 Christie, Lindon E. Jr., 17 Trim St., Camden
 Clark, William C., 125 Adams St., No. Abington, Mass.
 Clough, Richard Q., 3 Princeton Rd., Natick, Mass.
 Cole, Richard A., 26 Egmont St., Brookline, Mass.
¹Cook, John L., No. Belgrade
 Cooke, Robert A., 2 Dick Dr., Worcester, Mass.
¹Cooper, S. Thurlow, Washington Stage, Augusta
 Cote, Paul A., 282 Pine St., Lewiston
 Cowperthwaite, Gerald B., Winthrop
 Creedon, Richard S., Box 198, S. T. S., Southbury, Conn.
 Creelman, James A., So. Great Rd., Lincoln, Mass.
 Crocket, David S., 96 Warrenton Ave., Hartford, Conn.
 Croft, Benton J., 39 Kenilworth Rd., Arlington, Mass.
 Cronkite, Floyd E., 15 Violette Ave., Waterville
 Crook, William M., 749 Plymouth St., Abington, Mass.
²Crosby, George H., 30 Lithgow St., Winslow
 Crosby, Warren D., 25 Court St., Augusta
 Cross, Harold D., R.F.D. #2, Belle Plaine, Kan.
 Cross, Robert B., Lexington Ave., No. Dartmouth, Mass.

1 In attendance first semester, only.

Crossman, Thomas J., 4 Maple Ter., Needham, Mass.
 Crummett, Richard M., R.F.D. #2, Waterville
 Cuccuro, Ralph A., 1045 Campbell Ave., W. Haven, Conn.
 Cummings, Arthur R., Jr., 15 Madison Ave., No. Anson
 Curtis, Charles P., 181 Westland Ave., W. Hartford, Conn.
 Cushman, William F., Jr., 44 Summit Ave., White Plains, N.Y.
 Cyr, Henry G., 4 Heath St., Waterville

Davis, Alan G., 143 Hawkes St., Westbrook
 Davis, John G., 8 Berkshire Rd., Framingham, Mass.
 Davis, Ralph E., 3 Magnolia Rd., Swampscott, Mass.
 Davis, Thomas P., North St., Ellsworth Falls
 Deane, Austin M., Guilford
 Decker, Karl E., 17 Cotswold Rd., Brookline, Mass.
 DeLea, John P., 23 Tripp Ave., Brockton, Mass.
 deLuna, George C., 154 Hampton Rd., Garden City, N. Y.
 Denis, Joseph O., Jr., 28 Abbott St., Waterville
 Deuble, John H., 472 Berkeley Ave., Orange, N. J.
¹Dexter, Robert A., 2 Clinton Ave., Winslow
 Dinnerman, George P., 136 Bragaw Ave., Newark, N. J.
 Dionne, Paul H., 5 Morgan St., Nashua, N. H.
 Dixon, Albert, 203 So. Main St., W. Hartford, Conn.
 Dixon, Russell A., 601 Howard Pl., N. W., Washington, D. C.
 Dornish, Karl Jr., 105 Farmington Ave., Plainville, Conn.
 Dostie, Francis A., 14 Water St., Fairfield
 Doughty, Stanley A., W. Paris
 Douglass, John E., 70-52 Broadway, Jackson Heights, N. Y.
 Dow, Robert A., 33 Carlisle St., Springfield, Mass.
 Duce, Benjamin R., Vine St., Damariscotta
²Ducharme, Edward R., 22 Edgewood St., Waterville
 Ducharme, Raymond A., Jr., 22 Edgewood St., Waterville
 Dulaney, John S., 193 Brimfield Rd., Wethersfield, Conn.
 Dunn, Frank B., 9 Park St., Houlton
 Dutton, John A., 361 Cherry St., W. Newton, Mass.
 Dyer, David S., Turner

1 In attendance first semester, only.

2 In attendance second semester, only.

- Eddy, C. Arthur, 337 Elm St., Gardner, Mass.
 Edsall, Richard A., 9201 Old Georgetown Rd., Bethesda, Md.
 Edson, William F., 332 North Ave., No. Abington, Mass.
 Efrogmson, Alan S., 3052 Woodbury Rd., Shaker Heights, O.
 Eisen, Edwin R., 200 E. 18th St., Brooklyn, N. Y.
 Elderkin, John D., 11 Haslett Ave., Princeton, N. J.
 Elliott, Richard, 33 Bailey St., Worcester, Mass.
 Erickson, John F., 40 Conant St., Danvers, Mass.
 Eustis, Arthur G., Mayflower Hill Dr., Waterville
 Evans, Raymond C., Jr. 80 Kirkland Rd., So. Weymouth, Mass.
¹Everett, Alfred S., Waterville Hill, Norridgewock
- Fain, Barnet, 526 Cole Ave., Providence, R. I.
 Farbish, Joel, 16 County Rd., Chelsea, Mass.
 Farr, Sidney W., So. Orrington
 Farrington, David L., 61 Bartlett St., Chelmsford, Mass.
 Faulkner, John R., 59 Franklin Ave., Houlton
 Fenner, Daniel W., 19 Leavitt St., Skowhegan
¹ In attendance first semester, only.
² In attendance second semester, only.
 Ferguson, Scott D., 7 Norway St., Boston, Mass.
 Fernandez, Leon C., 322 Main St., Winchster, Mass.
 Ferraguzzi, Louis E., 74 Hyatt Ave., Yonkers, N. Y.
¹Ferrall, Philip J., 119 Fonda Rd., Rockville Center, N. Y.
 Field, Alvan, 18 Burleigh St., Waterville
 Finn, Thomas F., Jr., 42 Pond St., Tewksbury, Mass.
 Fishbin, Peter D., 86-75 Midland Pkway, Jamaica Estates, N.Y.
 Fischer, Robert C., 183 Wildacre Ave., Lawrence, N. Y.
 Fisher, Charles F., 2200 Murray St., Philadelphia, Pa.
 Fisher, Charles K., 35 Marion Ave., Norwood, Mass.
 Fitzgibbons, William F., 40 Columbus Ave., Holyoke, Mass.
 Flick, Ernest W., Thorndike
 Floyd, Eugene, 33 Irving Pl., Oyster Bay, N. Y.
 Ford, Thomas O., 16606 Wildemere, Detroit, Mich.
 Fornaciari, Richard E., 666 Waverly St., Framingham, Mass.
 Foster, J. Scott, 29 Adelbert St., So. Portland

1 In attendance first semester, only.

2 In attendance second semester, only.

- Fraktman, Edwin E., 11 Read Ct., Newton, Mass.
 Francis, Ronald D., 79 High St., Fairfield
 Frank, Robert A., 15 Claflin Rd., Brookline, Mass.
 Fraser, Charles R., 146 Pine St., No. Falmouth, Mass.
 Fraser, George W., 10 Summer St., Bar Harbor
 Fraser, Robert C., 64 Edgewater Rd., Hull, Mass.
 French, Peter A., 178 Maine Ave., Millinocket
 French, Peter E., 46 Sunset Ave., Amherst, Mass.
¹Furlong, Howard A., 41 Brookfield Dr., E. Hartford, Conn.
- Gammon, Edwin L., 64 Gary St., So. Paris
 Ganem, William L., 3 King's Beach Ter., Swampscott, Mass.
 Gardner, William A., Jr., 88 Pinckney St., Boston, Mass.
 Gaskill, Howard H., 19 Pine Circle, So. Weymouth, Mass.
 Gesner, Kenneth R., 325 E. Ridgewood Ave., Ridgewood, N. J.
¹Gesner, Konrad, 14 Norfolk Rd., Chestnut Hill, Mass.
 Gleason, Robert W., Jr., 297 Palisades Ave., Dobbs Ferry, N. Y.
 Goerling, Helmut K., 10 Kramer Str., Badnenndorf, Germany
 Gordon, Robert L., 80 Washington St., Newport, R. I.
 Grandberg, Harold B., Lafayette Hotel, Boston, Mass.
 Grant, Norman A., 95 Park St., Rockland
 Grant, Raymond S. Jr., 721 Crescent Pkwy, Westfield, N. J.
 Greene, Ainsworth M., 15 Ten Acre Lane, W. Hartford, Conn.
 Greenlaw, George W., 31 W. 31st St., Bayonne, N. J.
 Grindle, Robert E., 136 Franklin St., Bucksport
 Grodberg, Robert S., 114 Longwood Ave., Brookline, Mass.
 Gropper, Lee, Mount Airy Rd., Croton-on-Hudson, N. Y.
 Gross, Everett F., 31 Wyatt Rd., Garden City, N. Y.
 Grout, C. MacDonald, Peter Bont Rd., Irvington-on-Hudson,
 Gruninger, James F., 10 Eastview St., W. Hartford, Conn.
 Guiney, Mortimer M., 18 White Oak Rd., Waban, 68, Mass.
- Hager, John W., 20 Eastern Ave., Leominster, Mass.
 Hailer, Donald G., 491 Chestnut St., Waban, Mass.
¹Haldane, Robert Jr., No. Anson
 Haley, Paul E., 6 Glenn St., Caribou
 Hall, Anthony F., 147 59th St., Niagara Falls, N. Y.
 Hall, Ronald D., 15 Eastern Ave., Greenfield, Mass.
- 1 In attendance first semester, only.

- Ham, Chester R., 8 London Rd., Lynnfield Center, Mass.
Hammond, John R., 7 Glengarry St., Winchester, Mass.
Hargrave, Robert T., 124 Beckwith Ter., Rochester, N. Y.
Harlor, Douglas M., 2859 Powell Ave., Columbus, Ohio
Harriman, Edward N., Jr., 67 Maple St., Needham, Mass.
¹Harrington, Daniel M., 51 Florence Ave., Oyster Bay, N. Y.
Harvey, David W. H., 5 Ferncliff Rd., Scarsdale, N. Y.
Haskell, George E., 795 East St., Dedham, Mass.
Hatch, John W., 300 Sunnieholme Dr., Fairfield, Conn.
Hawes, Richard M., 42 Wordsworth St., Portland
Hawkins, Robert H., 141 Orchard St., White Plains, N. Y.
Hayes, Walter P., 150 Bridge St., Beverly, Mass.
Hays, W. Wesley, 13 Bartlett St., Waterville
Hennig, William W., 54 Sunset Dr., Hempstead, N. Y.
Herbert, John G., R.F.D. 1A, Gardiner
Herlihy, Timothy M., 10 Broad St., Waterville
Hexamer, Hugh D., 163 E. Delavan Ave., Buffalo, N. Y.
Hibbert, Albert B., 107 Pratt Ave., Somerset, Mass.
Hill, William A., Jr., 645 Middle St., Bath
Hoagland, Donald L., 169 Lincoln Ave., Elizabeth, N. J.
Hobart, George R., 39 Armory St., Quincy, Mass.
Hobbs, H. Elston, Box 23, Hope
Hodgkins, Norman S., 457 Delaware Ave., Delmar, N. Y.
Hodgson, Richard C., 512 Glen Rd., Weston, Mass.
Hollis, James E., 55 Elm St., Melrose, Mass.
Holt, Ross S., Clinton
Holtz, Gerald J., 12 Westbourne Rd., Newton, Mass.
Hooper, Robert L., 257 Madison Ave., Skowhegan
Horgan, Patrick H., 31 Hunter Ave., Newport, R. I.
Hovey, Lewis R., 25 Princeton Ave., Beverly, Mass.
Howard, Douglas C., 24 Leonard Ave., Newtonville, Mass.
Howe, David R., Concord Rd., Sudbury, Mass.
Howe, Robert K., 65 College St., Montpelier, Vt.
Howes, Rodney H., Jay
Howlett, Nelson F., 55 Woodbine St., Auburndale, Mass.
Hudson, Robert M., 4140 Carpenter Ave., New York, N. Y.

1 In attendance first semester, only.

- Huffman, Herbert R., Albemarle, Rosedale Rd. Princeton, N.J.
 Hughes, John P. M., 73 Roosevelt Ave., Waterville
 Hummel, Henry B., 4715 Fulton St., N. W., Washington, D. C.
¹Hunt, Phillips B., Jr., 18 Forest Lane, Hingham, Mass.
 Hunt, Thomas A., 175 Park St., New Canaan, Conn.
¹Hurley, Robert W., 9 Church St., Milton, Mass.
¹Hussey, Elwin F., Windsor
 Hussey, Philip W., Jr., Elm St., No. Berwick
 Husson, Chesley H., 369 Ohio St., Bangor
¹Hutchinson, Robert C., Bradbury Lane, Augusta
 Huther, George W., 1660 Lake Rd., Webster, N. Y.
 Ives, Frederic C., 692 Great Plain Ave., Nedham, Mass.
 Jabar, Anthony, 12 Head of Falls, Waterville
 Jabar, Herbert J., 12 Head of Falls, Waterville
 Jabar, John, P., 12 Head of Falls, Waterville
 Jabar, Norman D., 12 Head of Falls, Waterville
 Jabar, Paul J., 12 Head of Falls, Waterville
 Jacobs, John B., 936 Broadway So. Portland
 Jacobs, Robert T., 936 Broadway, So. Portland
 Jagel, Paul F., 60 Pinckney St., Boston, Mass.
 James, Arnold M., Jr., 3 Bowles Ave., Bar Harbor
 Jannoni, John, 91 White St., Belmont, Mass.
 Johnson, Clifford H., 27 Freeman Ave., Everett, Mass.
 Johnson, Robert S., 6 Forest Lane, Scarsdale, N. Y.
 Johnson, Theodore E., 44 Commonwealth Rd.,
 Watertown, Mass.
 Johnson, Warren R., 18 Deering St., Portland
 Johnston, John D., Birch Rd., Westport, Conn.
²Jones, Richard A., 98 Clifford St., Melrose, Mass.
 Joseph, Alfred M., 3 Middle St., Waterville
 Joseph, Paul M., 3 Middle St., Waterville
 Judson, Cyrus F., 21 Euclid Ave., Hastings-on-Hudson, N. Y.
 Jurgens, Harold R., Ballard Ave., Sloatsburg, N. Y.

¹ In attendance first semester, only.

² In attendance second semester, only.

- Kaake, Robert B., 19 Brooklawn Ave., Augusta
 Kabayama, Norikazu, 534 Higashikoiso, Oiso, Kanagawa,
 Japan
- Kaplan, Lawrence, 498 Cole Ave., Providence, R. I.
 Kaufman, Stephen M., 67 Nahant St., Lynn, Mass.
 Kayajan, Charles, Plymouth St., Middleboro, Mass.
 Keay, Donald P., 79 Highland Ave., Wollaston, Mass.
 Keay, Gilbert A., Wilton
 Keech, Herbert R., 888 Rock St., Fall River, Mass.
 Keef, Aubrey C., High St., Vanceboro
 Keene, Gordon E., 8 Main St., Clinton
 Keith, John F., 8 Cross St., Longmeadow, Mass.
 Kellogg, Chever L., 26 Tunstall Rd., Scarsdale, N. Y.
 Kent, Harold W., Box 14, Benton
 Kenyon, Stephen M., 180 West End Ave., Ridgewood, N. J.
 Kerr, Russell W., Jr., 61 Rangeley Rd., Arlington, Mass.
 Keyes, Raymond F., 23 Regina Rd., Auburndale, Mass.
 Keyes, Robert J., 23 Regina Rd., Auburndale, Mass.
 Kiernan, Francis R., 37-2581 St., Jackson Heights, N. Y.
 Killeen, Donald W., 5 Durham Rd., Longmeadow, Mass.
 Kilmister, Phillip M., 541 No. State St., Concord, N. H.
 Kimball, Arthur O. 66 Western Ave., Waterville
 King, Franklin III, 16 Ward Ave., Northampton, Mass.
 King, John T., II, 5 Harding Rd., Melrose, Mass.
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