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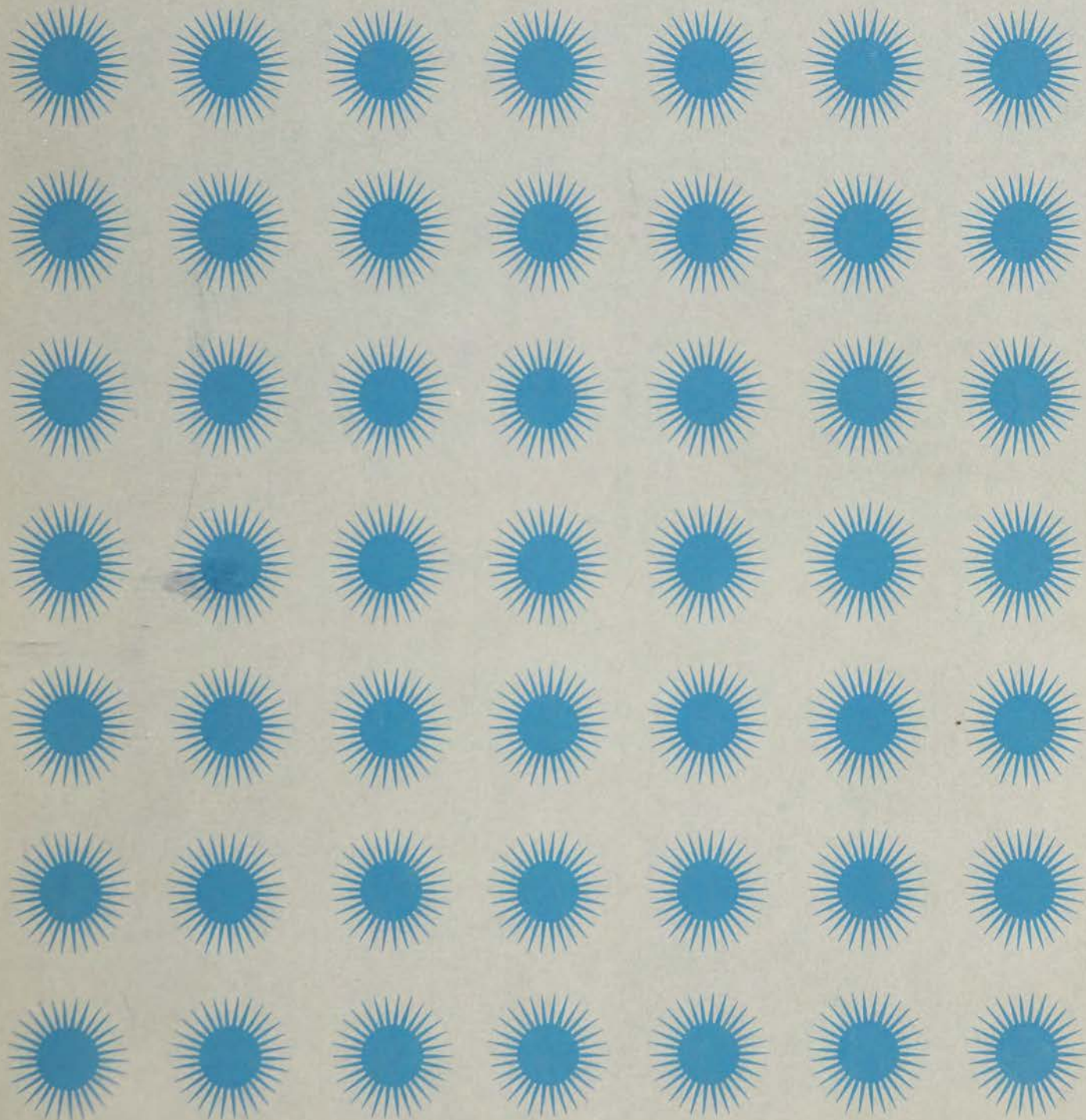
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COLBY COLLEGE BULLETIN

DEAN OF FACULTY
COLBY COLLEGE
WATERVILLE, MAINE

Catalogue Issue May 1961



COLBY COLLEGE BULLETIN

WATERVILLE, MAINE • FOUNDED IN 1813 • ANNUAL CATALOG ISSUE • MAY, 1961

DEAN OF FACULTY
COLBY COLLEGE
WATERVILLE, MAINE



1961

S M T W T F S

JULY

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1963

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College Calendar for 1961-62

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| Friday, September 8 | Freshman Program Begins |
| Monday, September 11 | Upperclass Registration |
| Tuesday, September 12 | First Classes |
| Saturday, November 4 | Homecoming Day. All Classes Omitted |
| Wednesday, November 22, 10:30 A.M. to Monday, November 27, 8:30 A.M. | Thanksgiving Recess |
| Saturday, December 9 | Last Classes of the First Semester |
| Monday, December 11 through Saturday, December 16 | Semester Examinations |
| Saturday, December 16 (close of examinations) through Wednesday, January 3 | Christmas Recess |
| Thursday, January 4 through Saturday, February 3 | January Program |
| Friday, February 9 and Saturday, February 10 | Winter Carnival |
| Monday, February 12, 8:30 A.M. | First Classes of the Second Semester |
| Friday, March 30, 10:30 A.M. to Monday, April 9, 8:30 A.M. | Spring Recess |
| Wednesday, May 2 (or Friday, May 4) | Johnson Day. All Classes Omitted |
| Friday, May 11 through Thursday, May 24 | Reading Period for 300 and 400 Courses |
| Saturday, May 12 | Spring Weekend. All Classes Omitted |
| Thursday, May 24 | Last Classes for 100 and 200 Courses |
| Friday, May 25 | Comprehensive Examinations |
| Monday, May 28 through Wednesday, June 6 | Final Examinations |
| Monday, June 11 | Commencement |

Inquiries to the College should be directed as follows:

| | | |
|--------------------------------|-------|--|
| ADMISSION | | WILLIAM L. BRYAN, <i>Director of Admissions</i> |
| ADULT EDUCATION | | WILLIAM A. MACOMBER, <i>Director of Adult Education</i> |
| FINANCIAL | | ARTHUR W. SEEPE, <i>Treasurer</i> |
| HEALTH AND MEDICAL CARE | | GILBERT F. LOEBS, <i>Director of Health and Physical Education</i> |
| HOUSING | MEN | GEORGE T. NICKERSON, <i>Dean of Men</i> |
| | WOMEN | FRANCES F. SEAMAN (MRS.), <i>Dean of Women</i> |
| RECORDS AND TRANSCRIPTS | | REBECCA C. LARSEN (MRS.), <i>Recorder</i> |
| SCHOLARSHIPS AND EMPLOYMENT | | RALPH S. WILLIAMS, <i>Chairman, Committee on Financial Aid</i> |
| SUMMER SCHOOL OF LANGUAGES | | JOHN F. MCCOY, <i>Director of Summer School</i> |
| VETERANS' AFFAIRS | | E. PARKER JOHNSON, <i>Dean of Faculty</i> |

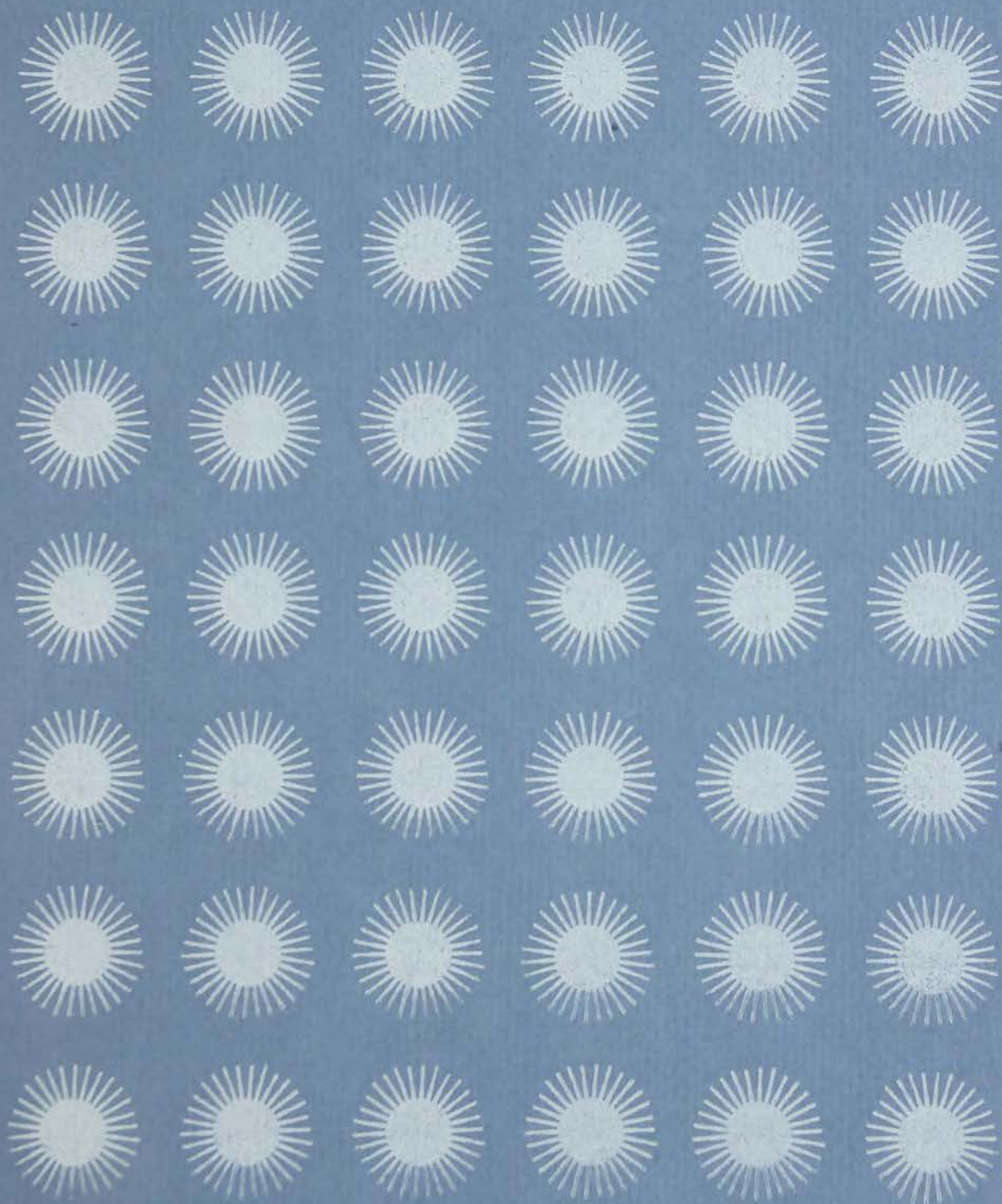
A booklet, *About Colby*, with illustrative material, has been prepared for prospective students. This may be obtained through the Director of Admissions.

SERIES LX

NUMBER 5

MAY, 1961

The Colby College Bulletin is published five times per year, in the months of July, September, December, February, and May. Entered as second-class matter at the Post Office at Waterville, Maine, under the Act of August 24, 1912. Acceptance for mailing at special rates of postage provided for in Section 1103, Act of October 3, 1917, authorized March 20, 1919.



Colby College

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|------------------|---|
| CORPORATE NAME | The President and Trustees of Colby College. |
| LEGAL BASIS | Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. First classes, 1818. Authorized to confer degrees by the first Legislature of Maine, June 19, 1820. First Commencement, 1822. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. |
| FUNCTION | Independent college of liberal arts for men and women (women first admitted, 1871); nonsectarian, founded under Baptist auspices. |
| DEGREE CONFERRED | Bachelor of Arts. |
| ENROLLMENT | 704 men, 487 women. |
| FACULTY | 105 |
| ENDOWMENT | \$8,000,000, book value. |
| LIBRARY | 190,000 books; 32,000 pamphlets. |
| ACCREDITATION | Accredited by the New England Association of Colleges and Secondary Schools. Member of the College Entrance Examination Board, the Association of American Colleges, the American Council on Education. Approved by the American Chemical Society, Association of American Medical Schools, American Association of University Women, the American Association of University Professors. The Colby Chapter of Phi Beta Kappa was founded in 1895. |
| LOCATION | Waterville, Kennebec County, Maine, Population 19,100. Industries: textiles, paper, molded papyrus products, shirts, plastics. Bus service, Greyhound Lines. Airport with service of Northeast Air Lines. On U. S. Interstate Highway 95, connecting with Maine Turnpike at Augusta. |

Colby Yesterday and Today

HISTORY OF COLBY COLLEGE

In 1813 a group of Baptist associations secured a charter from the Massachusetts Legislature authorizing the establishment of the Maine Literary and Theological Institution, but withholding from it the right to confer degrees. Financial stringency caused by the Embargo Act and the War of 1812 delayed the start of instruction. In 1815 the Agent for the Eastern Lands had assigned to the Institution a township of land on the west side of the Penobscot River. When that location proved remote and unfeasible, the Trustees were invited to select a site in Kennebec or Somerset counties. They chose Waterville, and in 1818 persuaded the Reverend Jeremiah Chaplin to come from Danvers, Massachusetts, with his family and his seven theological students.

During his first year Chaplin was the only teacher. He conducted classes in a farmhouse where the Elmwood Hotel now stands. The following year, he was joined by the Reverend Avery Briggs as professor of languages. The Institution had no president, each professor maintaining control over the separate theological and literary departments. Within a decade the former had been abolished and, since 1830, the college has been devoted strictly to undergraduate studies in liberal arts.

Soon after Chaplin's arrival, the trustees purchased a lot in Waterville, 80 rods along the Kennebec River and extending westward one mile. The first building was a two-storied frame house for Chaplin, in which he boarded students and held classes until the construction of the first that could be called truly a college building, South College, in 1822.

When Maine became a state in 1820, the new legislature granted the Institution the right to confer degrees, and in 1821 changed the name to Waterville College. Chaplin then became its first president.

The Maine charter made it clear that the founders never intended that the Institution be exclusively for Baptists. In fact several non-Baptists, notably Maine's first governor, William King, were on the original board of trustees. The Maine charter included a clause of which the college has always been proud:

“No student shall be deprived of any privileges of said Institution, or be subject to the forfeiture of any aid which has been granted him by the Institution, or be denied the usual testimonials on closing his studies, or be denied admission to the Institution, on the ground that his interpretations of the scriptures differ from those which are contained in the articles of faith adopted, or to be adopted, by the Institution.”

The college never adopted any “articles of faith,” and it has for many years been independent and nondenominational. It is, however, proud of its liberal Baptist heritage and grateful to the many churches and individuals of that faith who nurtured the college through infancy and supported it for more than a century.

When the Civil War threatened to force closing of the college, the struggling institution was saved by a generous gift from Gardner Colby, a prominent Baptist layman of Newton Centre, Massachusetts, and in 1867 the trustees changed the name to Colby University. In 1899, sensing that the college had never become a university in fact, the board changed the name to Colby College.

In the first class, to whom degrees were awarded in 1822, was George Dana Boardman, pioneer of a long line of Colby missionaries to foreign lands. In 1826 was graduated Elijah Parish Lovejoy, who suffered martyrdom for the cause of freedom of the press when his persistent anti-slavery articles caused him to be killed by a mob in Alton, Illinois, at the age of thirty-four. Colby graduates through the years have been members of Congress, judges of state and federal courts, governors and legislators; have held high rank in the armed services; have been builders of railroads, telephone lines, and petroleum plants in far corners of the earth; have been prominent in business and finance, and have won distinction in the learned professions.

The college marked its first half century with a novel experiment by opening its doors to women, and in 1871 Mary Low became the first, and for a time, the lone female student. By 1890 so many women had enrolled that President Albion

Woodbury Small proposed, and the trustees adopted, a system of coordination under which was established a women's division, with separate classes and administration. Although officially Colby is still a coordinate college, it has become truly coeducational, and separate classes have been abandoned.

During the early years the trustees were compelled to sell much of the college land in Waterville, with the result that after the First World War Colby found its campus confined to thirty crowded acres on which stood ten buildings and the athletic fields. A short distance away on the main thoroughfare were six buildings of the women's division and two fraternity houses. With much of the physical plant obsolete, and with no room for expansion, the trustees voted in 1930 that the college should be moved "as soon as feasible."

During twenty anxious years after this decision, President Franklin Winslow Johnson led a valiant and finally successful campaign to move the college, despite the obstacles of a great depression and a second world war. To an eminence known as Mayflower Hill, two miles west of the city, the college was gradually transferred between 1943 and 1952. Classes for a lengthy period were conducted on both campuses.

During his administration, 1942-1960, President J. Seelye Bixler continued the work so well started by President Johnson, with the result that the new campus now contains more than thirty modern buildings of Georgian colonial architecture valued in excess of ten million dollars.

The growth of Colby since its transition to Mayflower Hill has been striking. No longer is it a provincial New England college. The enrollment has almost doubled from 600 to nearly 1200, and the students come from more than half the states and many foreign countries. The faculty, numbering 56 in 1940, now has more than 100. Endowment during the same years has increased from less than three million dollars (original cost) to more than eight million. Accompanying the physical expansion has been growth in variety and quality of the curriculum enabling an increasing number of graduates to seek advanced degrees in the liberal arts and toward the professions at the nation's leading universities.

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| PRESIDENTS | 1822-1833 | JEREMIAH CHAPLIN |
| | 1833-1836 | RUFUS BABCOCK |
| | 1836-1839 | ROBERT EVERETT PATTISON |
| | 1841-1843 | ELIPHAZ FAY |
| | 1843-1853 | DAVID NEWTON SHELDON |
| | 1854-1857 | ROBERT EVERETT PATTISON |
| | 1857-1873 | JAMES TIFT CHAMPLIN |
| | 1873-1882 | HENRY EPHRAIM ROBBINS |
| | 1882-1889 | GEORGE DANA BOARDMAN PEPPER |
| | 1889-1892 | ALBION WOODBURY SMALL |
| | 1892-1895 | BENIAH LONGLEY WHITMAN |
| | 1896-1901 | NATHANIEL BUTLER, JR. |
| | 1901-1908 | CHARLES LINCOLN WHITE |
| | 1908-1927 | ARTHUR JEREMIAH ROBERTS |
| | 1927-1942 | FRANKLIN WINSLOW JOHNSON |
| | 1942-1960 | JULIUS SEELYE BIXLER |
| | 1960- | ROBERT EDWARD LEE STRIDER, II |

COLBY TODAY

Colby is a coeducational undergraduate college of liberal arts. The liberal arts college, to quote the inaugural address of President Strider, “ is committed to the belief that the best preparation for life in our world, and especially toward the professions that require further specialized study, is a broad acquaintance with human knowledge rather than narrowly concentrated training in limited areas. It is, in short, the pursuit of truth, free and unrestricted, for truth itself is almost infinitely various.”

In addition to investigation of our heritage on a comprehensive scale, the Colby student is given the opportunity to penetrate deeply into that particular area which he chooses as his major. He is encouraged to select that major which affords for him the greatest intellectual stimulation, rather than that which he can necessarily “use” after graduation. Colby does not prepare a student for a particular vocation but for *any* vocation, as well as for a full and rewarding life in the world of the twentieth century.

The coming generation of young adults will have to make difficult and fateful decisions. Technical knowledge alone will not be sufficient equipment, for the problems we face are complex and full of uncertainties. To think one’s way through them, one must draw upon his capacity for judgment in the broadest sense – judgment involving not only material things but the intangibles of the human spirit. Liberal education provides young men and women with a framework upon which each can build his own system of values and in reference to which he can sharpen his power of judgment.

The student who comes to Colby should be endowed with a high degree of intellectual curiosity; he should have the energy and the ambition to pursue his academic objectives with vigor and concentration, and to take a healthy and constructive part in a limited number of those extra-curricular activities which supplement the academic program. These include student government, student publications, athletics (both intercollegiate and intramural), music, drama, debating, religious organizations, and social organizations.

It is the philosophy of Colby that appropriate responsibilities should be given the students, both in the regulation of

social life and daily living and in the academic program. Toward this end advising, guidance, and counselling are available in both these spheres. It is hoped that during his four years at Colby the student will grow in maturity both socially and intellectually, and every opportunity is given him to do so.

One distinctive feature of a Colby education bears out this philosophy in an especially direct manner. In the fall of 1961 the college will embark upon its experimental January Program of Independent Study, the purpose of which is to encourage the student to acquire the habit of exploring a particular field of knowledge on his own, a habit which one would hope to see carried over beyond graduation and through life. In fact, the Colby student is introduced to independent work even before he reaches the campus, for in the summer before the freshman year he is given a reading assignment from among the classics of literature and philosophy to be completed before his matriculation.

Colby students are strongly advised to consider further graduate study in preparation for the professions. An increasing number of Colby graduates each year enter medical school, law school, divinity school, graduate schools of education or engineering or business, or graduate schools of arts and sciences toward careers in college teaching. The major that the student selects is often pointed specifically toward graduate study, but it need not be. Most pre-medical students elect to major in chemistry or biology; most pre-legal students in history, government, or economics; most pre-engineering students in mathematics or physics; most pre-theological students in philosophy or religion. And yet it is quite possible for students majoring in such subjects as classics (in which Colby has an unusually strong program) or English or history to go to medical schools, provided, of course, that pre-medical requirements are met and a scientific aptitude is evident; and for students majoring in such fields as mathematics or French, to take two random examples, to go to law schools. Through a carefully planned system of academic advising the student is assisted in the selection of the program best suited to his talents and his future aspirations.

The Academic Program

DIVISIONS OF INSTRUCTION

The subjects in the Colby curriculum are classified in five divisions. In the Division of Humanities are the departments of Classics, English, Art, Music, and Modern Foreign Languages. Besides general courses in the broad field, the Division of Social Sciences includes Business Administration, Economics, Sociology, Education and Psychology, History and Government, and Philosophy and Religion. In the Division of Natural Sciences are the departments of Biology, Chemistry, Geology, Mathematics, and Physics and Astronomy. The Division of Health and Physical Education, besides offering courses in that field, administers the college health service, the intercollegiate athletic program, and intramural sports. The Division of Air Science administers the program for students in the Air Force Reserve Officers' Training Corps.

Certain interdepartmental courses take both content and staff from more than one department, sometimes from more than one division.

THE STUDENT'S PROGRAM

In each of his four years at Colby the student takes five subjects, to which he adds physical education in his first two years. To assure distribution among the several divisions mentioned above, every freshman must take English composition, a foreign language (unless covered by an achievement examination), mathematics or a science, a social science and physical education. The fifth academic subject is an elective, or (for prospective science majors) a second science.

In the sophomore year the requirements are a course in literature, one in a foreign language, unless that requirement has been previously met, a course in science or mathematics, a second social science, and another elective. One of the required subjects or the elective must be in the field which the student has selected for concentration or major.

Each freshman is assigned to a member of the faculty who serves as his adviser during his first year. At the end of that year, some member of the staff in the student's field becomes his adviser.

Prospective students frequently ask just what subjects they will take, especially in the freshman year. It is true that

certain requirements must be met, but the programs of individual freshmen differ according to their future educational plans and their tastes. A student who intends to prepare for a scientific career or for the study of medicine should start on the necessary scientific requirements in the freshman year. The student primarily interested in a non-scientific field has a wider choice of courses. To present any specific pattern of courses for freshman and sophomore years is likely to be misleading. Whenever a choice must be made, the student should discuss his individual needs fully with his adviser before making out his program. Prospective science majors should note carefully the requirements for the major in which they are interested.

In order, however, that the fixed requirements may be emphasized, two general programs for the freshman and sophomore years are given below. To understand why certain items appear in these programs, the reader should consult the *Graduation Requirements* on the next page.

FRESHMAN YEAR English Composition
 Foreign Language, unless requirement already met
 A course in Science or Mathematics
 A course in the Social Sciences or the Humanities*
 ROTC (for men only) or some other elective
 Physical Education (without credit)

SOPHOMORE YEAR Survey of Literature
 Foreign Language, unless requirement is met
 A course in Science or Mathematics
 A course in the Social Sciences or the Humanities
 ROTC or some other elective
 Physical Education (without credit)

* Prospective majors in biology, chemistry, geology, or physics should include both mathematics and a science in the freshman year.

GRADUATION
REQUIREMENTS

To qualify for the degree of Bachelor of Arts at Colby College a candidate must meet certain specifications in quantity, quality, distribution and concentration (see "Major" on page 19). He must also participate satisfactorily in the January Program.

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

QUALITY A total of 72 points obtained in 40 semester courses. For each half-course (semester course) a mark of A entitles the student to four points, a mark of B to three points, a mark of C to two points, and a mark of D to one point. No points are given for marks below D.

DISTRIBUTION
REQUIREMENTS

I All College requirements:

A. *English Composition and Literature*: 4 terms (or 3 for those students who show suitable proficiency).

Note: This requirement will be met by English 121, 221, and 222. Those students for whom 4 terms are required will take English 122. (See note on Remedial English, p. 65)

B. *Foreign Language*: A basic knowledge of one of the ancient or modern foreign languages taught at Colby. This requirement may be met in one of the four following ways:

(1) Giving evidence of satisfactory achievement either (a) by attaining before entrance a sufficiently high score in the College Entrance Examination Board foreign language achievement test, or (b) by passing an achievement examination designed to test the student's ability to read the foreign language proficiently.

(2) Successful completion of any year-course numbered above 101, 102 in an ancient or modern foreign language offered at Colby College, beginning in freshman year and pursued in sequence until the requirement is fulfilled.

(3) A transfer student whose work has been in a foreign language other than one taught at Colby will have fulfilled the

foreign language requirement provided he has completed at an accredited institution the equivalent of two years of that language at the college level, and provided the marks received are high enough to make the work acceptable toward the Colby degree.

(See note on p. 32 regarding election of language courses.)

(4) In the case of a foreign student whose native language is not English, knowledge of his native language will be recognized normally as being acceptable fulfillment of the language requirement, subject to the approval of, and possible testing by, the Department of Modern Foreign Languages.

II Area requirements:

A. *Four terms* in each of the areas (described below) into which the student's major does not fall.

(1) Not more than 2 term courses in any one subject may be counted towards the requirement in any one area. Combined subjects listed in the "Areas" in III below (such as Philosophy and Religion) will be considered to be one subject as far as this note is concerned.

(2) Among the *social sciences*, no more than 2 terms of 100-level courses may be counted towards the requirement.

(3) Among the *sciences* at least 2 terms must involve laboratory courses, and the 4 terms must be chosen from no more than 3 subjects.

(4) English 222, required for all students, will count as one term of the humanities requirement.

(5) For distribution purposes, students enrolled in combined majors which overlap two areas (as, for example: Philosophy-Mathematics) must satisfy the area requirements in all three areas: humanities, sciences, and social sciences.

B. Those specially selected students who are admitted to the course in Creative Thinking (and who pass it with a grade of B or better) may be exempted from *any* two terms of any area requirement.

III Areas:

(1) HUMANITIES

Art

Music

Classics (all courses)
 English (except for 121, 122, 221, and Speech)
 Modern Languages (except 101, 102, 103, 104 courses)
 Philosophy and Religion (certain courses, including Rel. 213-214, The Bible; Rel. 311, Great Religions; Phil. 372, Philosophy of Religion; Phil. 314, Aesthetics; Phil. 315, Types of Philosophy)

(2) SCIENCES

Biology
 Chemistry
 Geology
 Mathematics
 Physics and Astronomy

(3) SOCIAL SCIENCES

Business Administration
 Economics
 Education
 Government
 History
 Philosophy and Religion (except those courses listed among the Humanities)
 Psychology
 Sociology

RESIDENCE 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.

EXEMPTION BY EXAMINATION When appropriate, either fixed or distributive requirements, as well as certain requirements for the major, may be absolved by examination, without course enrollment, at the discretion of the department concerned.

OPTION FOR CERTAIN STUDENTS A student returning to college after an absence must meet any new requirement for graduation if he still needs more than one-half of the total number of courses required for graduation. He may meet either the new requirement or that in effect when he first enrolled, if he still needs not more than one half of the total number of courses required for graduation.

MAJOR

Near the end of the freshman year each student must tentatively 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. At the end of the sophomore year the student either confirms the tentative major as permanent or elects a different major.

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 under the descriptions of departments in the section on divisions, departments, and majors.

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.

Any student whose cumulative points in courses completed toward the major fall below a certain scale of points is not permitted to continue with that major. The required scale is as follows: first two semester courses, 3 points; and 2 points for each semester course thereafter. A student may change to another major at the end of the junior year if he has completed, with the required point average, the equivalent of two year-courses which may be applied toward fulfillment of the new major. If, at the end of the junior year, a student finds no department in which he can be accepted as a major, he cannot continue in college. If, in the senior year, the cumulative points in courses completed toward the major fall below the required number, the major requirement shall be considered as not fulfilled and the degree shall be withheld.

Each department designates those courses to which the point-scale applies for a major in that department.

COMBINED MAJORS

A combined major in two subjects consists of a minimum of three year-courses or their equivalent in semester courses in each of the two subjects. A combined major in more than two subjects consists of a minimum of eight year-courses or their

equivalent in semester courses, at least three of them being in one subject.

The following combined majors have been approved by the faculty:

| | |
|-----------------------|------------------------|
| American Civilization | Philosophy-Mathematics |
| Classics-English | Philosophy-Religion |
| Classics-Philosophy | |
| Geology-Chemistry | |

COMPREHENSIVE EXAMINATION IN MAJOR

Each senior is required to take a comprehensive examination in his major field. This examination comes regularly on a Friday after the close of the Reading Period in May. The length of the examination is at least six hours, part of which may be oral, at the discretion of the department concerned.

The objective is the integration and correlation of study in the major field and its relation to other disciplines. The examination is not marked numerically, but is graded Honors, Pass or Fail. Appropriate recognition at Commencement is given to students who receive Honors. Students failing the examination are not entitled to a second examination before Commencement. They may retake the examination in the fall, after September 1, or at the time of the comprehensive examinations the following year. The examination must be passed before the degree can be conferred. Students who expect to complete graduation requirements at mid-year may take the comprehensive examinations at a time agreed upon in January.

READING PERIOD

Near the end of the second semester, there is a Reading Period in all courses numbered in the 300's and 400's. It extends for approximately two weeks preceding the final examinations.

The Reading Period does not apply to courses numbered in the 100's and 200's, but only to the 300 and 400 courses. The period is not for review work or "make-up", but is intended to free the student from routine class meetings in order that he may devote full time to independent study of freshly assigned reading or laboratory work. Assignments for the Reading Period are in addition to ordinary assignments in the course. The Reading Period assignments are tested

in the final examinations, to a maximum of one-third of the examination time.

During the Reading Period the classes affected do not meet. The instructors are, however, available for consultation, through office hours, or in the library or laboratory.

The Faculty Committee on Examinations exempts some 300 and 400 courses from the Reading Period so that class meetings continue throughout the period. In such cases the students will be informed by their instructor.

JANUARY PROGRAM OF INDEPENDENT STUDY

With the academic year 1961-62 Colby College begins a new educational experiment in its *January Program of Independent Study*. The work of the first semester will take place entirely between Labor Day and the beginning of Christmas vacation. The month of January will be devoted to work distinct from the formal course of study of the first and second semesters.

In the freshman year several programs will be offered. The methods of conducting these programs will differ from instructor to instructor, but each student will work on a single project or problem, under the guidance of a single instructor, throughout the period. Free from the conflicting demands of the usual five-course schedule, the student may pursue his thoughts and researches single-mindedly, or at least with a minimum of outside interference. Every attempt will be made to assign the students according to their own preferences among the topics or problems available.

A similar program will be conducted in the sophomore year. Sophomores, however, will ordinarily work on a problem within the area of their major division (humanities, social sciences, or natural sciences.)

The January Program for juniors and seniors has been placed in the hands of the students' major departments but emphasis will remain on the basic unity of each student's own program during the entire month.

From the foregoing it may be seen that it would be impossible to summarize what a hypothetical student would be doing during the month of January. Individual departments and individual instructors have been given a free hand to

explore many types of programs and methods of presentation. It is, in fact, the program's lack of rigidity which recommended it to the Colby faculty. This is, in effect, not one experiment but many. The four-year trial period which is anticipated should give sufficient time to identify and intensify the best features.

Work carried out in the January Program will be graded Honors, Pass, or Fail. Each student must participate successfully in the January Program to be eligible for graduation.

JUNIOR YEAR ABROAD

Permission to study abroad during the Junior year rests with the Committee on Foreign Students and Foreign Study, whether under such programs as those of Sweet Briar College, Hamilton College, Smith College, etc., or under an independent plan. Students must make application, on forms provided by the Committee, before or immediately after the mid-year examination period of their sophomore year, and only after having arranged details of their plan with their major advisers.

Committee approval presupposes an academic record for the first three semesters sufficiently high to give promise that the student will complete his program of foreign study with credit to himself and to the college.

STUDENT EXCHANGE PROGRAM

A student exchange program was begun in 1960-61 between Colby College and Fisk University. Each student pays regular tuition and board and room charges at his home college, though residing and studying in the other institution. The only major added expense to the student is for travel. Ordinarily such exchanges are arranged for a single semester of the junior year. Interested students may obtain further information from the Dean of Men or the Dean of Women.

REGISTRATION

Students must register on assigned days at the beginning of each semester and at any other time of original entrance. For registration later than the date specified a fine of five dollars for each day of delay is charged on the student's semester bill.

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.

Before registration for any year a student must secure from the Treasurer's office a receipt for the tuition fee and any other required advance payments, and 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 advance payment before registration. It is important that students understand the distinction between payment of fees and registration. 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

Each spring, with the approval of their advisers, all students except seniors tentatively elect programs of study for the ensuing year. These elections, with approved revisions, are confirmed during the fall registration period. 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 two dollars 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. A fee of two dollars 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. During a semester a student may drop a course and receive a mark of Dr. (dropped) provided both his adviser and dean consent. If the adviser and dean agree that a course may be dropped but 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 a major mid-semester warning shall necessitate a mark of F instead of Dr. for that course; likewise a course dropped within thirty calendar days before the last class.

With the consent of his adviser a student whose over-all average in all courses taken in the previous semester is at least nine points in five courses may elect one, but only one, course in excess of the usual five courses. The only exception to this rule is that a senior whose completion of a sixth course in his final semester will complete his graduation requirements shall be permitted to elect a sixth course even though his previous semester's average may be below the required number of points. Such exception shall not apply to the entire senior year, but only to the last semester of that year.

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 is passing. He must repeat the entire year to get credit. 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.

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 five dollars 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 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.

EXAMINATIONS

At the close of each semester a period of days is set aside for a schedule of 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, except that the mark for the semester examination may constitute not more than half of the total.

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. An excused student may be examined at a later date convenient to the instructor, but under no circumstances may he be permitted to take a semester examination earlier than the date on which it is scheduled. A fee of five dollars is charged for each postponed examination. 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 costly in reduction of final mark and few students request it.

Hour examinations and shorter quizzes are given 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.

Dishonesty in an examination is a serious offense. The instructor may dismiss the offender from the course with a mark of zero, 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.

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 seven half-courses; sophomore, from eight to seventeen; junior, from eighteen to twenty-seven; senior, more than twenty-seven.

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 that final failure of the course is likely.

Official marks in letter grades of A, B, C, D, E, F are issued to students at the end of the first semester. At the end of the second semester marks are mailed to students' homes by the Recorder. In practice a student often obtains his mark in a course directly from the instructor, but the only official record of all his marks is that in the Recorder's office. At the time of mid-semester warnings in November, the deans of men and women often ask instructors for an informal estimate of the standing of freshmen, in order that the deans may have early information about the progress of new students. Those informal mid-semester statements, however, are not official marks and are not recorded at the Recorder's office.

The first semester mark in a course designated as a year-course is only tentative. For designated year-courses no credit is given until the completion of the full year's work. There is one final mark for the entire year, not separate marks for the two semesters as in other courses.

A mark below D, except for courses referred to in the next paragraph, means that a course has been failed and that credit thus lost must be made up by an additional course in a subsequent term. If the failed course is specifically required for graduation, it must be repeated.

A mark of E applies only to specifically designated first semester courses. Unless in the course description in this catalog a course is designated as an "E" course, a mark below D in the first semester means definite and final failure. In a properly designated "E" course a mark of E signifies temporary failure, which may be made up by improved work in the sequentially related second semester. The passing of the second semester in such a course entitles the student to a change of the first semester mark from an E to a passing mark, as determined by the department concerned.

A mark of "Abs." indicates that a student has been absent from final examinations. Such a 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 "Inc." indicates that a course has not been finished for some reason other than failure to take the final examination when scheduled. The uncompleted work must be made up within limits prescribed by the instructor; otherwise the mark is changed to F. After the expiration of one term, any remaining mark of "Inc." 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.

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 additional 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.

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 of the Dean. No refund will be paid by the Treasurer until he has received from the Recorder the formal "Notice of With-

drawal” and in computing refunds the date on the official withdrawal notice shall be considered the date of withdrawal. A student who leaves the college and neglects to effect official withdrawal until later cannot collect refund for the elapsed interval.

SELECTIVE SERVICE
EXAMINATIONS

Used by the Selective Service System in partial determination of a registrant’s permission to continue in college, these examinations are administered at the college on dates fixed by Selective Service. The officer in charge is the Dean of Men.

The Library

Since the liberal arts college is a reading college, the library must be at the focal point of the academic program. The Miller Library stands literally at the heart of the Colby Campus. Here are reading rooms, private study carrels and six tiers of stacks housing more than 190,000 books and manuscripts. The library receives regularly more than 550 periodicals and learned journals and is a depository for the publications of the United States Government. On the basis of volumes per student, Colby has one of the larger college libraries in America.

The library supports the teaching program of the college by providing the materials necessary for reference, required reading and research papers.

It encourages intellectual curiosity and interest in reading by maintaining an open stack system which allows the student free access to the book collection. Besides providing individual assistance to readers, the staff gives formal instruction in the use of the library to each freshman class. Other activities include the compilation of bibliographies, the preparation of exhibits and the publication of a student handbook and a quarterly magazine.

The Colby library has achieved international distinction through its special collections. These are housed in the Edwin Arlington Robinson Treasure Room named in honor of one of Maine's greatest poets whose books, manuscripts and personal papers are located here. The Thomas Hardy Collection is considered to be one of the most extensive in the United States.

In this room are other notable collections reflecting Maine's literary history. Among the authors represented are Henry Wadsworth Longfellow, Sarah Orne Jewett, Jacob Abbott, Edna St. Vincent Millay, Kenneth Roberts, Ben Ames Williams, Booth Tarkington and Mary Ellen Chase. Other noteworthy collections concern Henry and William James, A. E. Housman, Violet Paget and the Kelmscott Press.

The James A. Healy Collection of Modern Irish Literature includes numerous inscribed copies, manuscripts and autograph letters of William Butler Yeats, Sean O'Casey, James Joyce and many others.

The *Colby Library Quarterly*, established in 1943, publishes informational reports and scholarly articles on these collections and other literary-historical matters.

The Colby Library Associates is an organization of alumni and friends who have particular interest in the library. Membership dues are devoted to the purchase of books and other materials outside the scope of the library's regular budget. The organization holds regular meetings with programs devoted to literary topics.

Admission

Acceptance of candidates for admission follows a selective process. The academic record of an applicant, the degree to which he has demonstrated intellectual curiosity, and evidence of his motivation to maintain a satisfactory level of college performance are of primary importance; considered in conjunction with these are his health, character, and personality.

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.

Sixteen units are required:

| | | | |
|---------------------|---|-----------------------------|---|
| English | 4 | History (or Social Studies) | 1 |
| Foreign Language | 2 | Science (laboratory) | 1 |
| College Preparatory | | Elective | 5 |
| Mathematics | 3 | | |

All correspondence regarding admission of freshmen should be addressed to the Director of Admissions.

COLLEGE BOARD TESTS

All candidates are required to take the Scholastic Aptitude Test, the Writing Sample and three Achievement Tests of the College Entrance Examination Board. The Scholastic Aptitude Test and the Writing Sample should be taken in December or January of the senior year. The Achievement Tests, which should include English Composition and two other tests of the candidate's choice, should be taken no later than March of the senior year. Applicants are strongly advised to take an Achievement Test in the foreign language they expect to continue at Colby.

The College Board tests are given at many centers in the United States and foreign countries at various times during the year. Application for tests may be made to the College Entrance Examination Board, P.O. Box 592, Princeton, N. J., or P.O. Box 27896, Los Angeles 27, California.

ADVANCED PLACEMENT

Colby subscribes to the Advanced Placement Program of the College Entrance Examination Board. Candidates interested

in advanced placement and credit must take the Advanced Placement Test given by the Board.

ADMISSION PROCEDURE

1. Formal application is made to the Director of Admissions. A non-refundable \$10 application fee to cover part of the cost of processing each application is required and check or money order for this amount should be returned with the application blank.
2. Personal interviews are required of all applicants, either at the college or with a Colby representative near the applicant's home.
3. The majority of each entering class is selected in April.
4. If admitted, an applicant must make the required deposit of \$50 not later than a date agreed upon by certain member colleges of the College Entrance Examination Board. The 1962 date is May 1st.

PLACEMENT IN FOREIGN LANGUAGES

Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college.

A student presenting two or more units of a given language for entrance must, in order to receive credit for further courses in that language, continue that language on the intermediate (103, 104) or higher level. Should such a student through a low mark on the placement test or through inability to do the work in the course not qualify for at least the intermediate level, he must (a) take the language over at the elementary level without college credit, or (b) elect a different language on the elementary level. Exceptions may be made for veterans entering college after a term of military service. Also, with respect to beginning Latin, students who have studied not more than two years of Latin may, with the approval of the chairman of the Classics Department, be exempted from this rule and receive credit for Elementary Latin, if all their work in Latin was done prior to the last two years in school.

ADMISSION BY TRANSFER

Admission by transfer from another college, including a junior college, is limited to a few carefully selected students.

The Dean of Men and the Dean of Women (*not* the Director of Admissions) administer all matters pertaining to the admission of transfer students.

The prospective transfer student should write to the Dean of Men or the Dean of Women, stating fully the reasons for transfer. Upon receipt of application form, the applicant should proceed promptly to fill it out and return it, with the required \$10, and should see that his previous college sends to the appropriate Colby dean a transcript of his record and a copy of the catalog of that college. The applicant should also request the Dean of his previous college to write a personal letter recommending the applicant.

Transfer students should ask the College Entrance Examination Board to send results of any tests taken to the Dean at Colby. All transfer students must take the Scholastic Aptitude Test.

ADMISSION OF VETERANS

Unless a veteran has previously attended another college, he applies for admission to the Director of Admissions, even if he intends to submit request for advanced standing based on completion of service schools or USAFI courses. Each applying veteran is cautioned that any request for such service credit must be made in advance of his actual matriculation at Colby because such credits must usually apply to freshman courses only. After a veteran has started a regular program of freshman courses, it is too late to apply for service credits.

All requests for service credits are evaluated by the Dean of Men, to whom the Director of Admissions refers such cases.

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. Admission of special students is the responsibility of the respective Deans' offices.

READING TESTS

Tests administered to all new students during Orientation Week determine the levels of speed and comprehension each has in reading. Those whose ability is deficient to a marked degree are offered assistance in a developmental reading program.

ORIENTATION WEEK

Freshmen are asked to arrive at the college early to participate in an Orientation Week program during which meetings are arranged with various college and student officers and social events are held. A summer reading program is assigned to all incoming students. In 1960 the assignment covered several Dialogues of Plato and the Letters of St. Paul. A faculty panel discussion on the reading is conducted during Orientation Week.

Fees and Financial Aid

| | | |
|---------------------------------------|---------------------------------|---------|
| ANNUAL STUDENT CHARGES FOR 1961-62 | Tuition | \$1,250 |
| | Room | 300 |
| | Board | 450 |
| | Sickness and Accident Insurance | 22 |
| | Student Activities Fee | 24 |
| | | \$2,046 |

Note: Textbooks and supplies, as well as personal expenses such as clothes, travel, and recreation are in addition to the above.

| | | | |
|----------------------------------|--|---------------------------------|---------|
| CALENDAR OF PAYMENTS, 1961-62 | <i>Upon filing of ap- plication</i> | Application Deposit | \$ 10 |
| | <i>Upon acceptance for admission</i> | Admission Deposit—Freshmen | 50 |
| | <i>August 1</i> | Tuition Deposit—Upperclassmen | 100 |
| FIRST SEMESTER | <i>On or before September 1</i> | Tuition | \$ 625 |
| | | Room | 150 |
| | | Board | 225 |
| | | Sickness and Accident Insurance | 22 |
| | | Student Activities Fee | 24 |
| | | | \$1,046 |

November 15 Semester bill—miscellaneous items such as extra course charge, electrical appliance use charge, fraternity room charge differential, chemistry breakage fee, ROTC deposit, dormitory damage deposit, etc.

| | | | |
|-----------------|---------------------|---|---------|
| SECOND SEMESTER | <i>On or before</i> | Tuition | \$ 625 |
| | <i>February 1</i> | Room | 150 |
| | | Board | 225 |
| | | | \$1,000 |
| | <i>March 15</i> | Semester bill—miscellaneous items such as extra course charge, electrical appliance use charge, fraternity room charge differential, etc. | |
| | <i>April 15</i> | Room Deposit for following year | \$10 |

FEES AND CHARGES
EXPLAINED

No formal bills are issued for the following items:

- DEPOSITS
- Application Deposit:* A non-refundable application fee of \$10 must accompany each application for admission to Colby.
- Admission Deposit:* Non-refundable deposit of \$50 due on or before acceptance date. (See page 32) This deposit is later credited toward tuition due prior to registration.
- Tuition Deposit:* Non-refundable deposit of \$100 required of all upperclass students on or before August 1 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For entering students the \$50 admission deposit covers this item.
- Room Deposit:* All upperclass students must, in order to reserve a room for the following college year, make a \$10 deposit on or before April 15. This deposit is later credited toward room charge or refunded if request for room reservation is withdrawn before August 1.

- ADVANCE PAYMENTS
- Tuition:* The tuition charge is \$625 per semester for a five course program. The semester per course charge is \$125. Tuition must be paid prior to registration for each semester.
- Room:* Room in college dormitories is charged at the rate of \$150 per semester payable prior to registration for each semester. All students are required to live in college housing facilities unless excused by the Dean of Men or the Dean of Women. Excuses may be granted only for students living at home or working in families for their rooms under arrangements specifically approved by the respective deans. Dormitory reservations are made through the offices of the Deans.

Board: Board in college dining halls is charged at the rate of \$225 per semester payable prior to registration for each semester. Dining halls are maintained in Roberts Union and in the women's dormitories. All resident women and resident freshman men are required to board at the college. Upper-class men electing to board at the college must pay the board charge for an entire semester and may not discontinue boarding prior to the end of the term.

Health Service: Free service in the Sherman M. Perry Infirmary is restricted to a total of two weeks in any college year. Students are charged three dollars per day for infirmary care beyond the two week free period. Infirmary meals are charged at the rate of \$2.25 per day for non-boarding students. There is no additional charge for infirmary meals for students regularly boarding at the college except where special diets are ordered by the College Physician.

Accident and Sickness Insurance: All students must be insured in the Student Accident and Sickness Insurance plan unless they have comparable coverage elsewhere. Students seeking exemption from this compulsory coverage must make written application for waiver at the office of the Treasurer prior to the opening of college. The premium of \$22 (subject to rate change) for the college year or \$32 for twelve months must be paid in advance of first semester registration. Details of the insurance plan are mailed to all parents during the summer.

Activities Fee: At the request of the students themselves a Student Activities Fee is collected annually for financing various student activities. This fee is payable prior to first semester registration except for students in attendance for the second semester only who are charged a proportionate fee. This fee is compulsory with no items deductible. The student organizations supported and the amount of the fee may vary from year to year. The fee for 1961-62 is \$24 for all students.

SEMESTER BILL Charges for miscellaneous items not due prior to registration are included on semester bills due November 15 and March 15. Included are charges for extra courses, use of electrical appliances, chemistry breakage fee, dormitory damage deposit,

fraternity room charge differential, ROTC deposit, etc. The semester bill also itemizes all previous semester charges and credits, thereby providing a complete record of the student's account for the entire semester.

MISCELLANEOUS The fee for extra courses beyond the normal load of five courses is \$125 per semester course.

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

In chemistry courses, students are required to pay for all apparatus broken or lost. A chemistry breakage fee of \$20 per course is charged on the first semester bill and any unused balance is refunded at the end of the year.

All men students living in college dormitories must pay a \$10 deposit which will be included on the first semester bill. All expenses resulting from damage to or loss of college property in the dormitories will be charged against these deposits except in cases where the responsible students can be identified. The unused portion of these deposits is refunded on a prorated basis at the end of the year.

Men students residing in fraternity houses are charged a differential in excess of the charge by the college for dormitory rent. The amount of differential is determined by each fraternity but is normally \$10 per semester and is charged on the semester bill.

Deposit of \$15 is required of all men students enrolled in the Air Force ROTC program. This deposit is charged on the first semester bill and is refundable at the end of each year upon surrender of all ROTC equipment.

A charge of one dollar is made, payable at registration, for an identification card which is used for admission to athletic and other events.

All students, other than transfer and accelerating students, are required to have paid to the college the equivalent of eight semesters full tuition before being granted a degree.

PAYMENT OF BILLS Tuition, room, board, insurance and activities fee must be paid in full before a student is permitted to register or attend classes. The Treasurer cannot permit deferred payment of

any portion of the charges due prior to registration, but may, at his discretion, grant partial extension for a brief period on the semester bill.

A plan providing for monthly payments at moderate cost is available through the Insured Tuition Payment Plan, 38 Newbury Street, Boston 16, Massachusetts.

Regulations affecting the payment of college bills are established by the Board of Trustees, and the College Treasurer is charged with the duty of enforcing these regulations impartially. Unless payment is made in accordance with the Treasurer's specific understanding with the individual student, the regulations require that the student be excluded from classes until payment is made and that a \$2 fine be imposed for failure to arrange with the Treasurer, prior to the due date, for a plan of payment. Students excluded from classes under this rule for longer than ten class days will be suspended from college for the remainder of the semester.

Concerning college bills, students and parents must deal directly with the Treasurer, as no other officer of the college has authority over their collection.

REFUNDS

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

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

| | |
|---|--------------|
| During first two weeks of classes . . . | 80% refunded |
| During third week of classes | 60% refunded |
| During fourth week of classes | 40% refunded |
| During fifth week of classes | 20% refunded |
| After five weeks of classes | no refund |

Refund of the payment made for board to a student who withdraws either voluntarily or involuntarily will be made at the rate of \$12 per week for the incomplete portion of the semester, except that there will be no first semester refunds for the period subsequent to January 1, 1962.

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

FINANCIAL AID

Colby has traditionally taken pride in the number of students with limited financial resources who have been assisted in acquiring a college education. Among past scholarship recipients are many distinguished alumni.

Financial aid in excess of \$250,000 is annually distributed in scholarships, Woodman Grants, and college employment. The amount in the first two categories represents the income from invested funds provided throughout Colby's long history by alumni, other friends, foundations and organizations. Although scholarships are the basis for financial assistance, they cannot be expected to meet the full cost of a college education. Many students find it necessary to supplement them with loans. Those who hold scholarships in excess of \$600 are expected to accept employment at the college. In all cases, the amount of scholarship assistance depends upon financial need. When justified, some scholarships may exceed full tuition.

FRESHMAN SCHOLARSHIPS Approximately sixty scholarships are awarded annually to freshmen whose records indicate ability, seriousness of purpose and a willingness to exert honest efforts to advance their own education.

Application should be made on forms provided by The College Scholarship Service and mailed to the Service at Box 176, Princeton, New Jersey. The College Scholarship Service is a clearing house for reviewing financial statements presented by parents in support of applications for scholarship aid. Its forms are available at all secondary schools.

UPPERCLASS SCHOLARSHIPS Scholarships are awarded on a yearly basis but may be renewed upon written request supported by satisfactory academic achievement and continued financial need. Requests for renewal of scholarships must be made each year to the Dean of Men or the Dean of Women on or before April 15.

LOANS Colby College, along with a great majority of institutions of higher learning, believes that one of the best ways of meeting the mounting costs of higher education is through the increased use of student loans.

Student loans are available under the terms of Title II of the National Defense Education Act. Information pertaining to this loan possibility may be obtained from the office of the Administrative Vice-President.

State of Maine residents who wish to borrow money for educational purposes should explore the Student's Loan Plan of the New England Higher Education Assistance Foundation, 184 State Street, Augusta. Massachusetts residents will find a similar opportunity in the Higher Education Assistance Corporation, 1137 Statler Office Building, Boston, and New York State residents in the New York Higher Education Assistance Corporation, State Education Building, Albany 1, New York.

Investigation and inquiry will often reveal the availability of loan funds being maintained by fraternal organizations, service clubs, and religious groups.

An Alumni Loan Fund is available for the payment of college bills. Priority is given to seniors.

The College maintains a loan fund for emergency needs. Such loans must be paid promptly in accordance with the terms of the note and, therefore, give only temporary relief.

RESTRICTED SCHOLARSHIPS *Sons and Daughters of Baptist Ministers:* In recognition of Colby's historical affiliation with the Baptist denomination, it is a custom to grant a remission of half of the tuition to sons or daughters of ordained Baptist ministers. Applicants must qualify on the basis of need and academic achievement. *Kling Scholarships:* An endowment from the late Charles Potter Kling provides a number of scholarships annually which, by the terms of his will, are available only to "needy male students of American Colonial or Revolutionary ancestry." Some of these amount to full tuition and may be continued until graduation if the holder maintains good citizenship and a satisfactory scholastic standing. Applicants for Kling

Scholarships should write to the Director of Admissions requesting a genealogical data form.

Other Restricted Scholarships: There are funds restricted to students who can meet special qualifications in addition to the usual entrance requirements: for example, those from particular areas, cities, or schools.

COLLEGE EMPLOYMENT

Employment consists of work in the dining halls, the library, the maintenance department, in several academic departments, the bookstore, the student unions, infirmary, and in miscellaneous assignments. In addition, there are opportunities to sell programs, act as guides and ushers, and to represent laundries, drycleaning establishments and other agencies.

PLACEMENT

The Director of Placement makes available information on opportunities for employment after graduation. He maintains a personnel file on each senior and arranges interviews with prospective employers. With the cooperation of the deans of men and women, the director also arranges for students to take various aptitude tests. Not only in the senior year, but throughout a student's college course, the Director of Placement is available for consultation and guidance on occupational matters.

Student Life and Activities

RELIGION

Although Colby has for some time been independent of formal affiliation with any religious denomination, the college is proud of its Baptist heritage. With their insistence on religious liberty and the right of private conscience, the Baptist founders of Colby endowed it with Christian principles which still invigorate its program. The college has a full time Chaplain.

There are no required religious services. It is a conviction at Colby that religious influence is best exerted by persuasion rather than by compulsion.

Each Sunday there is held a service of worship with college choir and with a sermon by the Chaplain or a visiting theologian. One weekday devotional service and one vesper service are held each week, led by a member of the faculty or administration or by a visiting clergyman or prominent layman.

The coordinating organization for the various religious groups is the Interfaith Association, in which Protestant, Roman Catholic, and Jewish students cooperate. Protestants conduct their activities through the Student Christian Association, Roman Catholics through the Newman Club, and the Jewish students through Hillel. Several of the Protestant denominations also meet in groups of their own.

A notable event of the year is Religious Convocation in February, when the Interfaith Association brings to the campus prominent religious leaders who take up residence in the student houses and conduct informal discussions. In 1960, the Convocation theme was *Religion and the Fine Arts*; in 1961, *Religion and Science*.

Many Colby graduates have entered the ministry, and the list of missionaries is especially impressive. The missionary tablet in the Rose Memorial Chapel (one wing of Lorimer Chapel) testifies to the participation of Colby men and women in home and foreign missions for nearly a century and a half.

LECTURES, CONCERTS, AND EXHIBITIONS

Throughout the year, lectures and concerts bring outstanding scholars, musicians, and artists to the campus. There are three lecture series—the Averill, Gabrielson and Ingraham—in addition to speakers invited by student organizations and

by Learned Societies. The Averill Lectures are devoted to general scholarly subjects; the Gabrielson Lectures, on certain Tuesdays in the second semester, are concerned with national and international topics; and the Ingraham Lectures are in philosophy and religion. There are also annual events such as the Lovejoy Convocation, honoring a prominent American newspaperman (in 1960 it was Ralph McGill); Recognition Assembly; and the Religious Convocation.

Among lecturers at the college in 1960-61 were: Kirtley Mather, Walter Gellhorn, Eleanor Sayre, Winston L. King, Warren Miller, L. Thomas Aldrich, William G. Pollard, John T. Dunlop, Mark Starr, Stanislaw Wellisz, David McCord Wright, Perrin Stryker, G. Wallace Woodworth, Nina Fletcher Little, J. Seelye Bixler, and William O. Douglas (Commencement speaker).

Concerts are given by Colby's own musical groups as well as by visiting performers. The past year these included the Concord Woodwind Quintet, The Eisenberg String Quartet, and Richard Dyer-Bennet.

The Bixler Art and Music Center holds lectures and continuous exhibitions. During 1960-61 the program featured shows of Shaker Art, Abstract Expressionism, Maine Handicrafts, Gothic and Renaissance Prints, the Portraits of John Brewster, Jr., and selections from the private collection of Governor Nelson A. Rockefeller.

MUSIC

Musical organizations which offer opportunities in serious vocal and instrumental music are the Colby Community Symphony Orchestra, the Glee Club, Concert and Chapel Choirs, and the Colby College Band. These are under faculty direction and carry academic credits for satisfactory participation. There are also two informal student groups for those interested in lighter vocal music: the Colby Eight for men and the Colbyettes for women. Concerts and lessons are given on the Walcker Organ in Lorimer Chapel.

DRAMATICS

Powder and Wig, the dramatic society, has a distinguished record of productions under the supervision of the Director of Dramatics, who is a member of the English faculty. Stu-

dents not only act in plays, but direct, build scenery and supervise staging and lighting. The college offers, in alternate years, a credit course in The Development of the Theatre. The 1960-61 Powder and Wig repertoire was *Man and Superman*, *No Exit*, *Three Sisters*, *The Madwoman of Chaillot*, and *Two for the Seesaw* (performed by the Portland Players).

SPEECH AND DEBATE

A tradition of public speaking has resulted in the endowment of several contests with sizable prizes. These events, as well as debating, are supervised by the professors of speech in the Department of English. Debating teams compete regularly with other colleges and Colby is represented at various inter-collegiate speech contests.

BOOK OF THE YEAR

A unique feature is Colby's Book of the Year. Each spring a committee of faculty and students selects a distinctive book for all to read. Reference is made to it in courses and in informal discussions which enable the student to see the book as it relates to many facets of knowledge and to evaluate it from different points of view.

Since the program was introduced in 1949, the selections have been: *Human Destiny* by Lecomte du Nouy; *The Mature Mind* by Harry Overstreet; *Policy for the West* by Barbara Ward; *Selected Plays* by George Bernard Shaw; *Who Speaks for Man* by Norman Cousins; *Out of My Life and Thought* by Albert Schweitzer; *The Lonely Crowd* by David Riesman; *The Adventures of Don Quixote* by Cervantes; *The Shaping of the Modern Mind* by Crane Brinton; *Theory of the Leisure Class* by Thorstein Veblen; *Magic, Science and Religion* by Bronislaw Malinowski, and *Civilization and its Discontents* by Sigmund Freud.

ATHLETICS

Athletic teams, varsity and freshman, include baseball, basketball, football, hockey, track, golf, tennis, skiing, and soccer. All coaches are members of the faculty in the Department of Physical Education. Colby is a member of the National Collegiate Athletic Association and the Eastern College Athletic Conference. For more than 60 years, keen rivalry has

centered in the "State Series" of the Maine Intercollegiate Athletic Association, whose membership consists of Bates, Bowdoin, Colby and the University of Maine.

Besides the varsity and freshman teams, the Department of Physical Education conducts an extensive intra-mural program including hockey, basketball, softball, soccer, tennis, swimming (using the Waterville Boys' Club pool), touch football, bowling, and volleyball. The athletic program for women offers archery, field hockey, tennis, badminton, basketball, swimming, skiing, skating, volleyball, lacrosse, golf, and modern, square, and folk dancing. Open to all students are the activities of the Colby Outing Club: hiking, canoeing, mountain climbing, skiing, and skating. The indoor Harold Alfond Arena provides artificial ice for skating.

FRATERNITIES AND SORORITIES

Colby recognizes the fraternity system as a cooperative feature of campus life. There are chapters of ten national fraternities and four national sororities. Seven of the fraternities occupy separate houses on the campus, controlled by prudential committees on which the fraternity alumni association, the local chapter, and the College are represented. A housemother is resident in each house. Members of the three fraternities whose houses are still to be built are quartered in dormitories. The women's sororities do not have houses, but each chapter has a room in Runnals Union. The Colby fraternities in order of founding are: Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Lambda Chi Alpha, Kappa Delta Rho, Tau Delta Phi, Pi Lambda Phi, and Alpha Delta Phi. The sororities are Sigma Kappa (founded at Colby), Chi Omega, Delta Delta Delta, and Alpha Delta Pi.

GUIDANCE

Each freshman is assigned a faculty and a student adviser. Later he has for an adviser a member of the department in which he is majoring. At Departmental Teas, talking informally with upperclassmen and with faculty, freshmen learn about majors and the possibilities each offer. Orientation assemblies, under the direction of the deans of men and women, are held during the first semester. Advisers are avail-

able at all times to help students meet problems if they arise as are the Chaplain and the Clinical Psychologist.

AIR FORCE ROTC

The Air Force Reserve Officers' Training Corps unit at Colby was established in 1951. It is known as the Department of Air Science and is staffed by Air Force officers and airmen who administer the program of instruction.

Since the AFROTC program is the major source of officers for the Air Force, a primary purpose of the Department of Air Science is to select, develop and eventually commission graduates in the Air Force. Of equal importance is the program designed to develop in the student an understanding of modern aviation as well as the mission, organization, problems and techniques of the United States Air Force.

HEALTH SERVICE

Before matriculation, each student must present a satisfactory health certificate, signed by a physician, including evidence of Tetanus Toxoid immunization and chest x-rays. It is recommended that polio immunization be completed prior to entrance.

All students are required to supplement the College Health Service program with "Students' Accident and Sickness Insurance," details of which are provided prior to the opening of the fall semester.

The 32-bed Sherman M. Perry Infirmary in Roberts Union is maintained under the direction of the College Physician and is staffed by registered nurses. Surgeons and other specialists are available at the Thayer Hospital in Waterville.

Students are entitled, without extra charge, to an unlimited number of visits to the daily sick call at the Dispensary in Roberts Union and, for two weeks in every college year, to the use of the Perry Infirmary where the College Physician and nursing staff are in attendance. For those boarding on campus there is no additional meal expense during confinement except when special diets are required.

The College limits its responsibility to illnesses occurring during the academic year. The College Health Service does not provide laboratory procedures, prescriptions, glasses, dentistry, or specialized diagnostic techniques. Students, or

their parents, are free to select their own physicians or hospitals but, in such cases, the College Health Service does not assume responsibility for those fees.

GENERAL REGULATIONS

Rules respecting student residence, organizations, social activities and intercollegiate athletics are published in the *Colby Gray Book* and *Women's Handbook*. All students are held responsible for knowledge of these regulations as well as for those published in the *Annual Catalog*.

Colby College is concerned as much with the social habits and character of its students as with their academic standing. The College reserves the right to dismiss any student whose presence its officers believe to be detrimental to the general welfare.

ATTENDANCE

1. Students are expected to attend classes regularly, and are held responsible for all work done in any class from which they are absent. Each student is, however, permitted at least two unexcused absences from each course in any semester. The maximum number allowed, if beyond two, is determined by individual instructors.
2. Official excuses for absence are granted only by the Dean of Men or the Dean of Women. Conditions under which such excuses are issued are listed in the *Colby Gray Book*.
3. Each instructor explains at the first meeting of every semester what constitutes unsatisfactory attendance in that class.
4. Any student whose class attendance is unsatisfactory in the judgment of the professor is warned by the Dean. Flagrant repetitions may lead to dismissal from the course, without credit.
5. 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 is fined \$25 for each class absence.
6. No student on academic probation may be excused from any class because of extra-curricular or athletic activities.

BEHAVIOR

Responsibility for behavior rests on the shoulders of the individual. This is true of all phases of campus life, including academic integrity, relationships between students, adherence

to college regulations, and the use of alcoholic beverages.

Colby College discourages the use of intoxicating beverages by its students. If the conduct of a student who has been drinking comes into question, he will be subject to expulsion.

The Maine State Law has provisions which make punishable by a fine of not more than \$50 any person under the age of 21 years who purchases intoxicating liquor or consumes it in any on-sale premises or who has liquor in his possession or whoever furnishes, gives or delivers liquor to a minor.

AUTOMOBILES The use of automobiles at the College is not permitted to freshmen or sophomores nor to upperclassmen who are on academic probation or scholarship.

MARRIED STUDENTS A married woman student may enroll or remain in college if her residence is with her husband or parents. A woman student who wishes to continue living in her dormitory after being married must obtain permission from the Dean of Women.

Honors and Awards

The degree of Bachelor of Arts with Honors is awarded in three grades: *summa cum laude* to those who attain 155 points or better in 40 courses and who also receive honors on the comprehensive examination; *magna cum laude* to those who attain 145 points or better in 40 courses and who also receive honors on the comprehensive examination; *cum laude* to those who attain 135 points or better in 40 courses, whether or not such students receive honors on the comprehensive examination, or to those who attain 130 points or better in 40 courses and who also receive honors on the comprehensive examination. A student who has more than 40 courses taken, or transferred for credit, at Colby must have additional points in proportion to the number of additional courses to achieve honors.

A second category of honors entitled "Distinction in the Major" is awarded to a student on the specific recommendation of his department. In order to be eligible for recommendation for "Distinction in the Major" the student must have at least an average of 3.25 in courses taken in his major and must have received honors on the comprehensive examination. Fulfillment of these two requirements does not, however, automatically entitle a student to this category of honors. It is understood that the department will recommend "Distinction in the Major" only for those very few students who, in the opinion of the department, merit special recognition.

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.

An important annual event of the spring is Recognition Assembly, when a general assembly with a prominent guest speaker is held for the purpose of recognizing those students who 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.

A limited number of Senior Scholars, selected by a faculty committee at the end of junior year, devote during senior year a major part of their time to approved scholarly projects. Each Senior Scholar pursues this work under the guidance of a faculty member, and to allow sufficient time for it the Senior Scholar may be excused from either two or three of his usual number of five courses as the committee shall determine. The list of Senior Scholars for the ensuing year is announced among other honors at the annual Recognition Assembly. Successful completion of a Senior Scholar project is recognized on the Commencement program.

Another honor recognizing high academic performance is the Dean's List, upon which appears the name of every student whose average of all marks in the previous semester has been at least sixteen points in five courses for upperclassmen, fifteen points for freshmen.

COLLEGE PRIZES

GENERAL *American Association of University Women's Membership Award.* The State of Maine Division of the AAUW awards a national membership in the Association for one year to a senior girl of outstanding scholarship, citizenship, and campus leadership. Awarded in 1960 to MARGARET ALICE JACK '60

Bixler Bowl Award. Awarded to the fraternity which, as a group, has contributed the most on a constructive basis to the over-all work of the college program.

Awarded in 1960 to LAMBDA CHI ALPHA

Josephine Bodurtha Scholarship. Awarded annually by Alpha Delta Chapter of Alpha Delta Pi in memory of their alumna, Josephine Bodurtha Gagnon, 1938. Award is made on the basis of financial need, scholarship record, and leadership on campus.

Awarded in 1960 to ALICE ELISABETH WALKER '62

Colby Library Associates Book Prize. Awarded annually by the Colby Library Associates to the senior who, during his four years in college, has assembled the best collection of books. This prize has been partially endowed by the Class of 1941.

Awarded in 1960 to DONALD D. MORDECAI '60

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

Awarded in 1960 to DONALD PAUL WILLIAMSON '60

Delta Delta Delta Scholarship Award. Given annually to undergraduates for scholastic performance, well-defined educational objectives and campus leadership.

Awarded in 1960 to JANET KATHERINE HERTZBERG '62

Adelaide True Ellery Scholarship. Awarded in memory of Adelaide True Ellery, 1890, to a woman student at Colby for outstanding religious leadership at Colby, the scholarship to apply in her junior and senior years.

Awarded in 1960 to SANDRA JANE FULLERTON '62

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 most likely to benefit society."

Awarded in 1960 to DANIEL LESTER BARRETT '63 and JEAN ADELE EIELSON '63

Phyllis S. Fraser Scholarship. To be awarded annually by Alpha Chapter of Sigma Kappa to a Colby son or daughter, in memory of their alumna and adviser, Phyllis St. Clair Fraser, 1913.

Awarded in 1960 to ANN BLAISDELL TRACY '62

Donald Lake Award. Given by the Varsity "C" Club in memory of Donald Lake, 1955, an outstanding student, athlete, and campus leader who lost his life in service of his country. Awarded to a member of the senior class who has shown outstanding athletic ability, leadership, and academic accomplishment.

Awarded in 1960 to EDWARD MARCHETTI '60

Michael Lester Madden Scholarship. Awarded by the Scott Paper Company in honor of Michael Lester Madden to a student at the end of the sophomore year who has best demonstrated outstanding scholarship as well as leadership and participation in extra-cur-

ricular activities; the scholarship to apply during the junior and senior years.

Awarded in 1960 to PATRICIA JANE MILLETT '62

Sigma Theta Psi Trophy. An award to be made annually to the student in the men's division who, at the end of his third semester of work, has the highest cumulative academic average.

Awarded in 1960 to GARY BRITTEN MILES '62

Student Government Association Scholarship. The Student Scholarship Fund is collected by students through the Campus Chest and is administered by the Student Scholarship Committee.

Awarded in 1960 to M. JOSEPHINE DEANS '60; PAULETTE R. FRENCH '63 and RICHARD POLAND '61

Women's Student League Scholarship. Awarded annually to the junior girl who best meets these requisites: average scholarship or better, leadership, participation in extra-curricular activities, and friendliness, and who has contributed to her college expenses by her own efforts.

Awarded in 1960 to REGINA CATHERINE FOLEY '61

Carrie M. True Award. Awarded annually in memory of Carrie M. True, 1895, to a woman undergraduate selected for pronounced religious leadership and influence in the life of the college.

Awarded in 1960 to MARTHA ANNE RAYMOND '61

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.

Awarded in 1960 to ANN ELIZABETH STOCKING '60

CLASSICS

Foster Memorial Prizes in Classics. One or more prizes in memory of Professor John B. Foster, awarded to students from either division for marked excellence in advanced Latin or Greek courses.

Awarded in 1960 to ROBERT JOHN GULA '63

ENGLISH

Mary Low Carver Prize for Poetry. Awarded to a student in the women's division for an original poem of merit in the English language.

Awarded in 1960 to CORA-LOU CROSMAN '63

Solomon Gallert English Prize. Given by Mrs. Joseph L. B. Mayer in memory of Solomon Gallert, 1888; awarded for excellence in English.

Awarded in 1960 to ALICE MACDONALD EVANS '62

Elmira Nelson Jones Essay Prize. Awarded in memory of Elmira Nelson Jones, 1897, to a student who has produced an original essay of merit.

Awarded in 1960 to DONALD D. MORDECAI '60

Poetry Prize for the Men's Division. Awarded to a student in the men's division for an original poem of merit.

Awarded in 1960 to FREDERICK CAMPBELL MOFFATT '60

HISTORY *Paul A. Fullam History Prize.* Awarded to the senior distinguished by outstanding work in the fields of history and government; a fund is provided for books of the winner's choosing.

Awarded in 1960 to RICHARD FREDERICK CASSON '60

Lampert History Prize. For 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 choice.

Awarded in 1960 to DAVID MICHAEL COPITHORNE '60

William J. Wilkinson History Prize. Established by Mrs. Wilkinson in memory of her husband, Dr. William J. Wilkinson, professor of history and government at Colby from 1924 to 1945, the prize is awarded annually to the history major in the junior class who, in the judgment of the department, best combines special interest in Modern European History with a high average in history and government courses, personal integrity, and ability to reason critically and independently.

Awarded in 1960 to ELLEN MARGARET MCCUE '61

MODERN LANGUAGES *French Consulate Prize.* Awarded annually by the French Consulate in Boston for excellence in French studies.

Awarded in 1960 to BLANDINE L. McLAUGHLIN '60

German Prizes. For excellence in German courses.

Awarded in 1960 to LAWRENCE WALTER CUSHMAN '60, JANICE ANN RIDEOUT '60 and JANICE ELIZABETH TURNER '62

Delta Phi Alpha German Prize. Awarded for scholarship in the German language and literature, and for initiative in fostering an interest in the various activities of the German clubs.

Awarded in 1960 to GRAYCE ESTELLE HALL '61

MUSIC *Colby College Band Award.* Presented for outstanding qualities in leadership and exceptional interest.

Awarded in 1960 to HUGO CARL STIELER '61

Louise Colgan Award. Presented to the highest ranking senior woman who has been a member of the glee club for at least three years.

Awarded in 1960 to LINDA L. LEVENSON '60

The Glee Club Award. Presented to a senior for outstanding contribution to the glee club in terms of service, interest, attitude, and loyalty over a period of four years.

Awarded in 1960 to DAVID CLARKE FULLAM '60

Symphonic Society Awards. Presented to students in the symphony orchestra who have shown unusual interest and improvement.

Awarded in 1960 to ELLEN MARGARET McCUE '61 and

ANN LOVELL '61

PHILOSOPHY *Stephen C. Pepper Prize in Philosophy.* Presented to a junior or senior who has done distinguished work in philosophy.

Awarded in 1960 to LARRY RAY MITCHELL '60

PUBLIC SPEAKING AND DRAMATICS *Goodwin Public Speaking Prizes.* Given by the late Mattie E. Goodwin in memory of her husband, Congressman Forrest Goodwin, 1887, these are awards for excellence in the delivery of original addresses.

Awarded in 1960 to (1st) FRANK HOWARD WALLACE '61

(2nd) ROBERT JAMES GANNON '61

(3rd) PETER JAMES STEVENSON '61

Hamlin Speaking Prizes. Awarded to freshmen for excellence in public speaking.

Awarded in 1960 to (1st) MARY ELIZABETH WHEATON '63

(2nd) JOHN WESLEY MILLER III '63

(3rd) WILMOT BRIGGS WALKER '63

Julius and Rachel Levine Speaking Prizes. The gift of Lewis Lester Levine, 1916, in memory of his father and mother, prizes are awarded for excellence in extemporaneous address.

Awarded in 1960 to (1st) FRANK WISWALL '62

(2nd) FRANK HOWARD WALLACE '61

Montgomery Interscholastic Public Speaking Prizes. A bequest of the late Job Montgomery of Camden, Maine, provides for the annual award of prizes to contestants from the secondary schools who appear at Colby on an assigned date for this contest.

Awarded in 1960: *Prepared Speeches.* Large schools—(1st) ROYCE FLOOD, *Old Town High School* (2nd) BRUCE LANGDON, *Grafton High School, Grafton, Massachusetts* (3rd) FREDERICK DE ROCHE-

MONT, *Portsmouth High School, Portsmouth, New Hampshire*. Small schools. (1st) HOWARD KING, *Burr and Burton Seminary, Manchester Depot, Vermont* (2nd) DAVID RICH, *Lisbon High School* (3rd) BEVERLEY DEAN, *Dexter High School*. *Extemporaneous Speaking*: Large schools. (1st) ROYCE FLOOD, *Old Town High School* (2nd) VIRGINIA HINETT, *St. Johnsbury Academy, St. Johnsbury, Vermont* (3rd) FREDERIC DE ROCHEMONT, *Portsmouth High School, Portsmouth, New Hampshire*. Small schools. (1st) HOWARD KING, *Burr and Burton Seminary* (2nd) DAVID RICH, *Lisbon High School* (3rd) BEVERLY DEAN, *Dexter High School*.

Murray Debating Prizes. A bequest of the late George E. Murray, 1879, provides for the annual award of prizes for the best arguments presented at a public exhibition. Not awarded in 1960

Powder and Wig Award. Presented by the dramatic society, Powder and Wig, for exceptional achievement in dramatic productions. Awarded in 1960 to CAROL ANN YORK '60

SCIENCES *The Chemical Rubber Company Award in Mathematics*. An achievement award in freshman mathematics.

Awarded in 1960 to ANNE MARGUERITE QUIRION '63

The Chemical Rubber Company Prize in Physics. Presented to the student with the highest average in beginning physics. Not awarded in 1960

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

Awarded in 1960 to JEAN ELIZABETH ELLIOTT '63

Sigma Pi Sigma Prize in Physics. Presented by the Colby Chapter of Sigma Pi Sigma, national honorary physics society, to the student with the highest average in Physics 221-222.

Awarded in 1960 to MARGARET JANE BONE '62 and LINDA MAE LAUGHLIN '62

SOCIAL SCIENCES *Chi Omega Prize in Social Science*. Awarded in 1960 to the highest ranking woman in history—government—economics.

Awarded in 1960 to MARGARET DOROTHY WETZEL '60

Albion Woodbury Small Prizes. A bequest of Lina Small Harris of Chicago, in memory of her father, Albion Woodbury Small, 1876, former president of Colby College and professor of sociology and dean of the graduate school at the University of Chicago, this fund provides awards for students pursuing work in economics and

sociology. Prizes are annually awarded for the best essays on some subject announced by the Department of Economics and Sociology.

ATHLETICS

J. Seelye Bixler Award. Presented by an alumnus in honor of J. Seelye Bixler, President of Colby from 1942 to 1960. Awarded annually to a member of the varsity track team who has contributed most to its success.

Not awarded in 1960

David W. Dobson Memorial Award. Awarded annually to an outstanding member of the varsity ski team in memory of David W. Dobson, 1950.

Awarded in 1960 to JOHN VOLLMER '60

Paul F. "Ginger" Frazer Award. Awarded to a non-letter man who has shown the most marked improvement as a member of the varsity football team. This prize was presented to the College by an alumnus in memory of "Ginger" Fraser, 1915, one of Colby's football greats.

Awarded in 1960 to JOHN W. BRASSEM '63

Robert LaFleur Memorial Award. Presented in memory of Robert A. LaFleur, 1943, killed in action in World War II. Awarded annually to the member of the varsity basketball team who has contributed most to its success.

Awarded in 1960 to EDWARD MARCHETTI '60

Ellsworth W. Millett Award. Given by the Boston Colby Alumni Association in honor of Ellsworth W. "Bill" Millett, 1925. Awarded to a member of the varsity hockey squad who has shown outstanding leadership and unselfish devotion to the welfare of the team.

Awarded in 1960 to RONALD K. RYAN '62

Edward C. Roundy Memorial Award. Given in memory of Edward C. Roundy who for many years was coach of baseball, basketball, and football at Colby. This award is presented to the most valuable player on the varsity baseball team.

Awarded in 1960 to DAVID J. SEDDON '61

Theodore N. Shiro Award. Gift of Theodore N. Shiro, 1951, awarded annually to the most improved player on the varsity basketball team.

Awarded in 1960 to DENNIS KINNE '62

Herbert E. Wadsworth Award. Given in memory of Herbert E. Wadsworth, 1892, former trustee and benefactor of the college. This

award is presented to the most valuable player on the varsity football team.

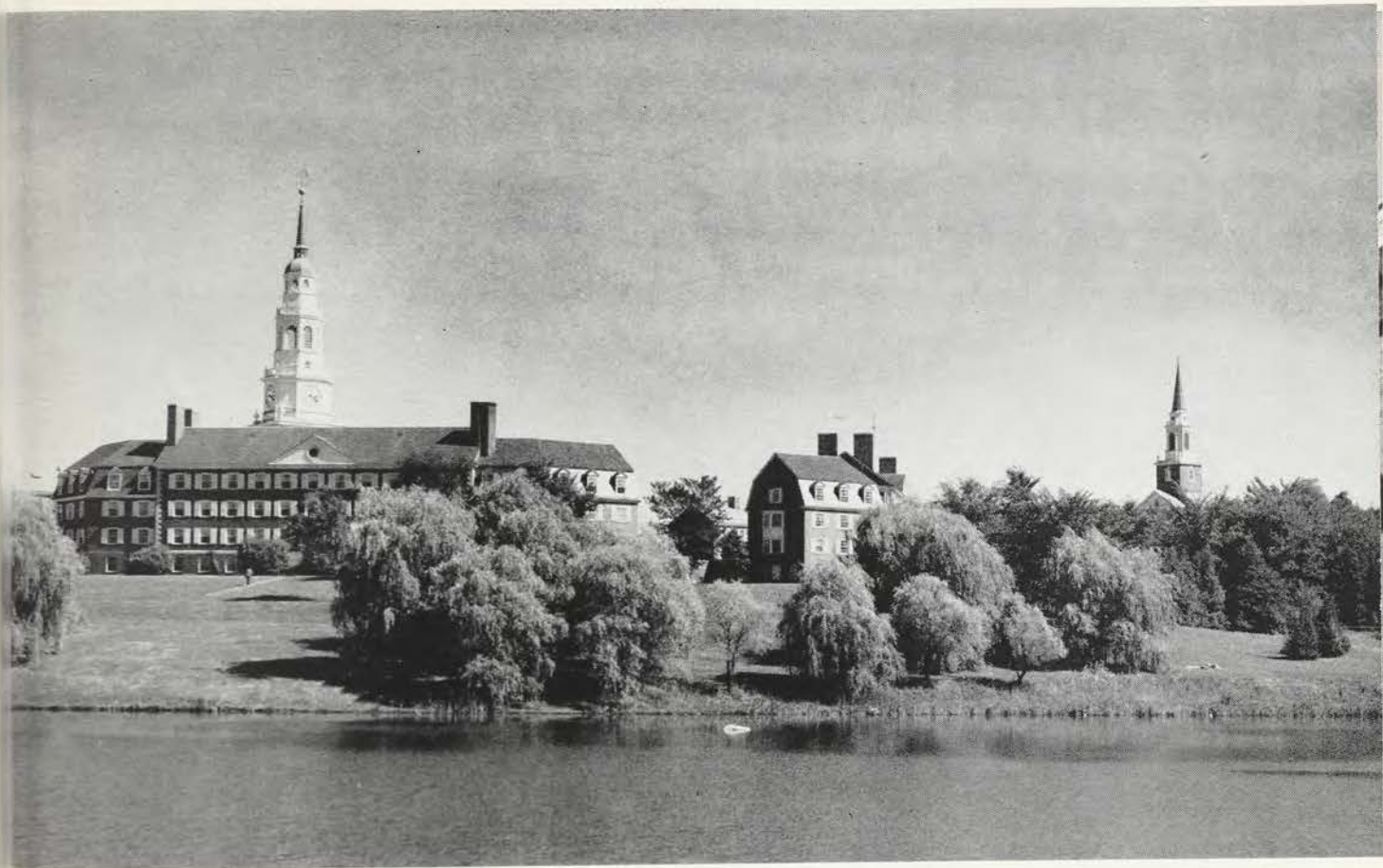
Awarded in 1960 to BRUCE W. KINGDON '62

Norman E. Walker Award. Awarded annually to a member of the varsity hockey team who has shown the most improvement during the current season. This was presented in memory of Norman E. Walker, 1938.

Awarded in 1960 to HARRY WILMERDING, JR., '61

Norman R. White Award. Awarded in memory of Norman R. White, 1950, in recognition of leadership and sportsmanship displayed by a member of one of the intercollegiate athletic teams.

Awarded in 1960 to DAVID N. FOWLER '60



Across Johnson Pond

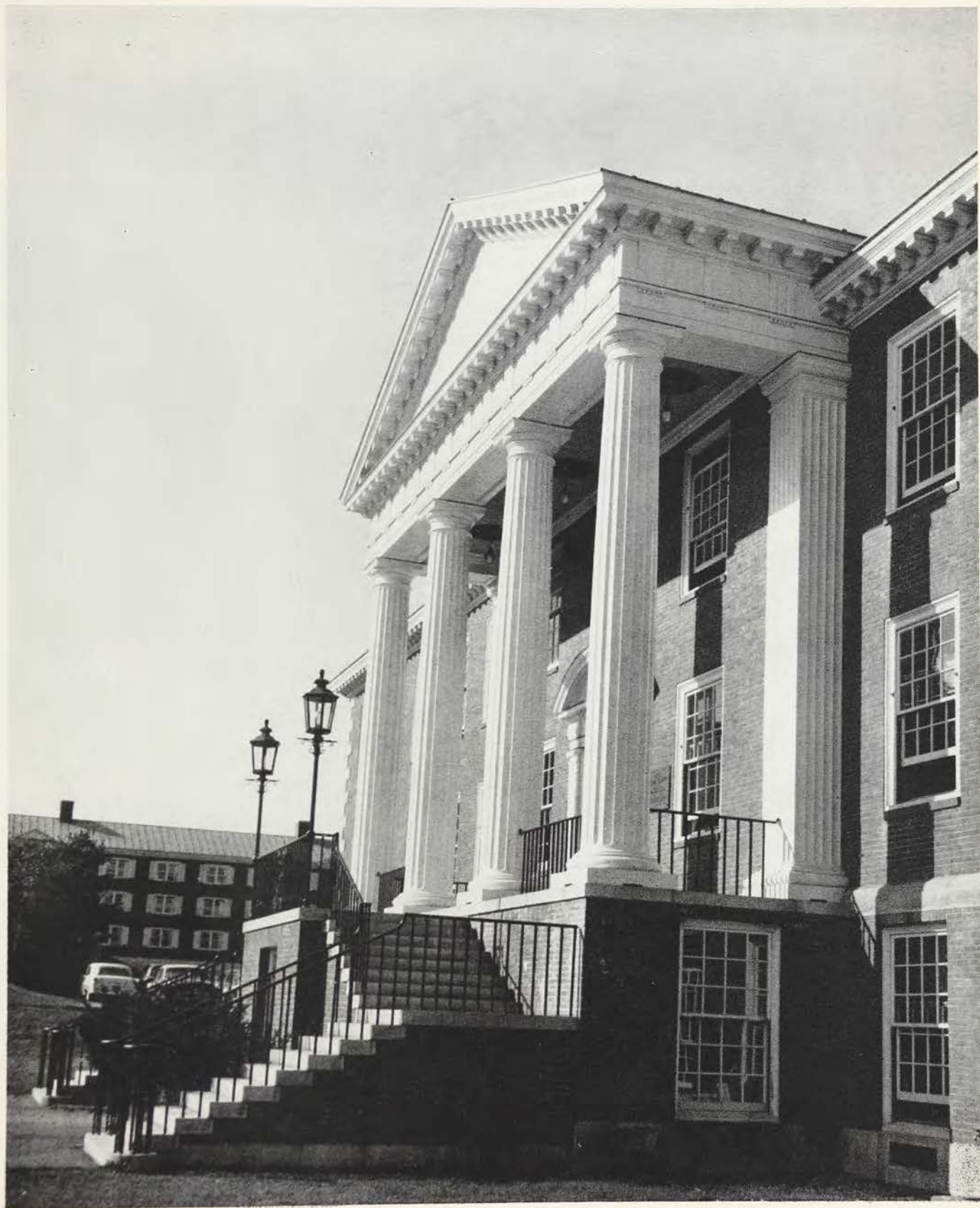


Lorimer Chapel

Miller Library

Keyes Science Building ▶







Bixler Art and Music Center



Montague Sculpture Court

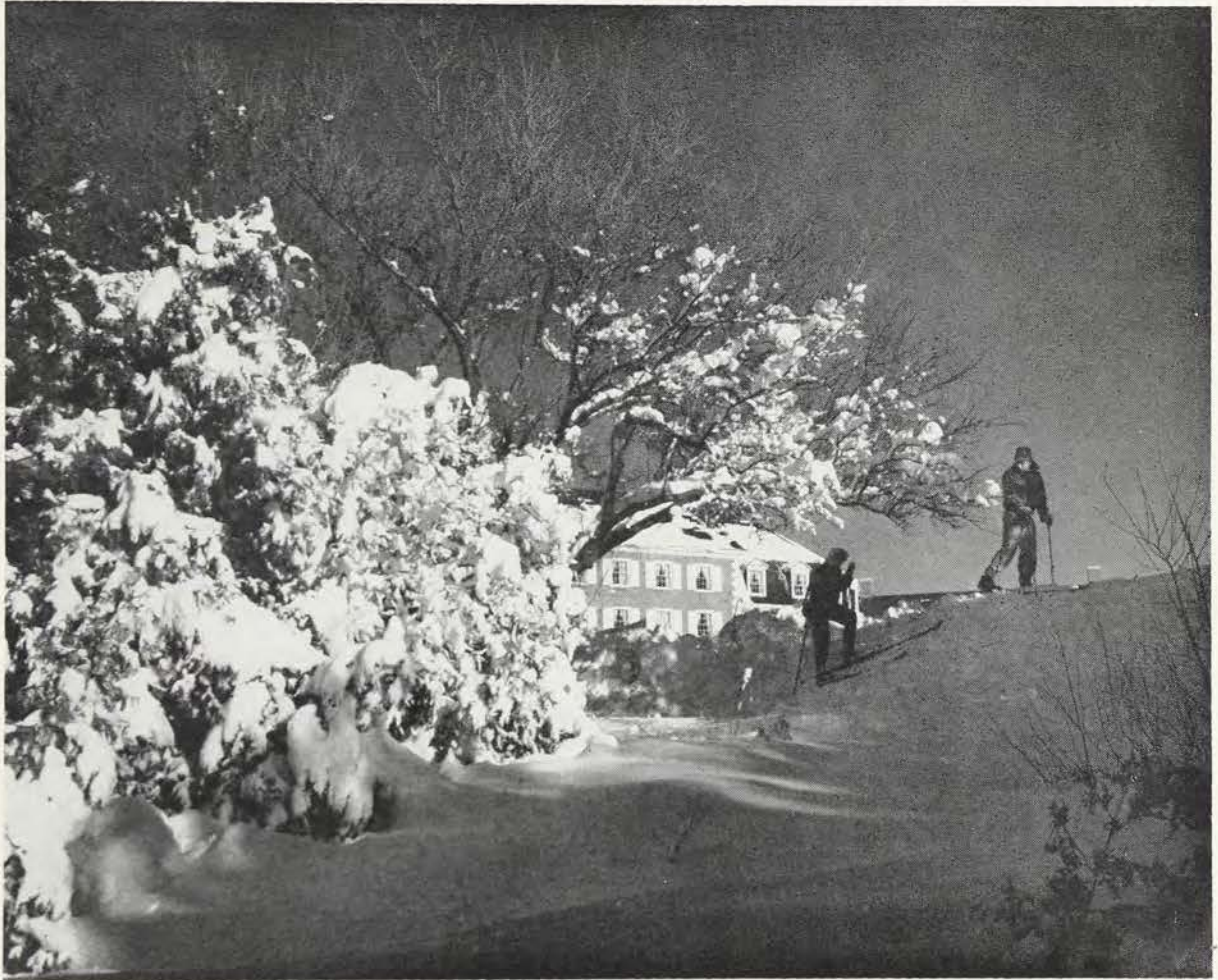
Gallery of the Bixler Center



*Colby Community
Symphony Orchestra*







Afternoon in winter

Foss and Woodman Dormitories

Lovejoy Building for Humanities and Social Sciences

The beginning of spring



The Mayflower Hill Campus

In 1952, Colby completed its move from a hundred-year old campus in downtown Waterville to a 750 acre site, known as Mayflower Hill, two miles west of the city. Today there are 32 new buildings on this campus, one of the most modern and beautiful in the nation.

Lorimer Chapel was the first building. Given by the late George Horace Lorimer, Colby 1898, editor of the *Saturday Evening Post* for nearly 40 years, it honors the memory of his father, the Reverend George Claude Lorimer, minister of the Tremont Temple, Boston, and one of the leading Baptist preachers of the 1890's. A small chapel, built as a wing, is a memorial to Francis and Gertrude Rose, Colby missionaries killed in the Philippines during World War II. The main chapel contains an organ built in the classical tradition by E. F. Walcker and Company of Ludwigsburg, Germany, the gift of Dr. Matthew T. Mellon. The instrument is of special interest because its specifications were drawn up by famed organist-scholar-teacher-missionary Dr. Albert Schweitzer.

At the center of the campus is *Miller Library* with its study and reading areas, extensive storage stacks, periodical and reference rooms, and special collections.

On either side of the library, as one faces Waterville, are three classroom buildings and the *Eustis Administration Building*. *The Keyes Science Building*, dedicated in 1950, houses the departments of chemistry, physics, and mathematics. *The Life Sciences Building* is devoted to biology and geology. Named for America's first martyr to press freedom, who graduated with the Class of 1826, the *Elijah Parish Lovejoy Building* has faculty offices and classrooms for the humanities and the social sciences. There are workshops for modern languages and psychology.

All administrative offices are housed in the *Eustis Administration Building*, honoring the late Arthur Galen Eustis, 1923, senior vice president. The building opened in the Spring of 1961.

The *Bixler Art and Music Center*, honoring President-Emeritus J. Seelye Bixler, has classrooms, studios, departmental libraries, gallery, auditorium, rehearsal hall, and practice and listening rooms. The gallery displays the col-

lege's distinguished permanent collection of paintings, sculpture, and other art as well as travelling exhibitions. The *John L. Given, Jr. Auditorium*, seating 400 and acoustically designed for musical performances, is equipped to record programs stereophonically. Leading off the gallery, and out-of-doors, is the *Montague Sculpture Court*.

Mary Low, Louise Coburn, Woodman and Foss halls provide housing for women. The men's dormitories are *West Hall*, divided into three units called *Chaplin, Pepper* and *Robins*; *East Hall*, with three units named *Butler, Champlin*, and *Small*; *Averill Hall*, and *Johnson Hall*. There are seven fraternity houses, occupied by *Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Tau Delta Phi*, and *Lambda Chi Alpha*.

The *Roberts Union* has recreation rooms, offices for student organizations, dining service for men, rooms for staff and guests, and, in one wing, the *Sherman M. Perry Infirmary*. The *Ninetta M. Runnals Union* includes a gymnasium for women's physical education, with stage for dramatics and lectures, rooms for meetings and recreation, lounges, sorority rooms and a modern dance studio. There is a separate building serving as a dramatics workshop and *Little Theatre*. Each union is in charge of a resident director. Dining service for women is in the women's dormitories.

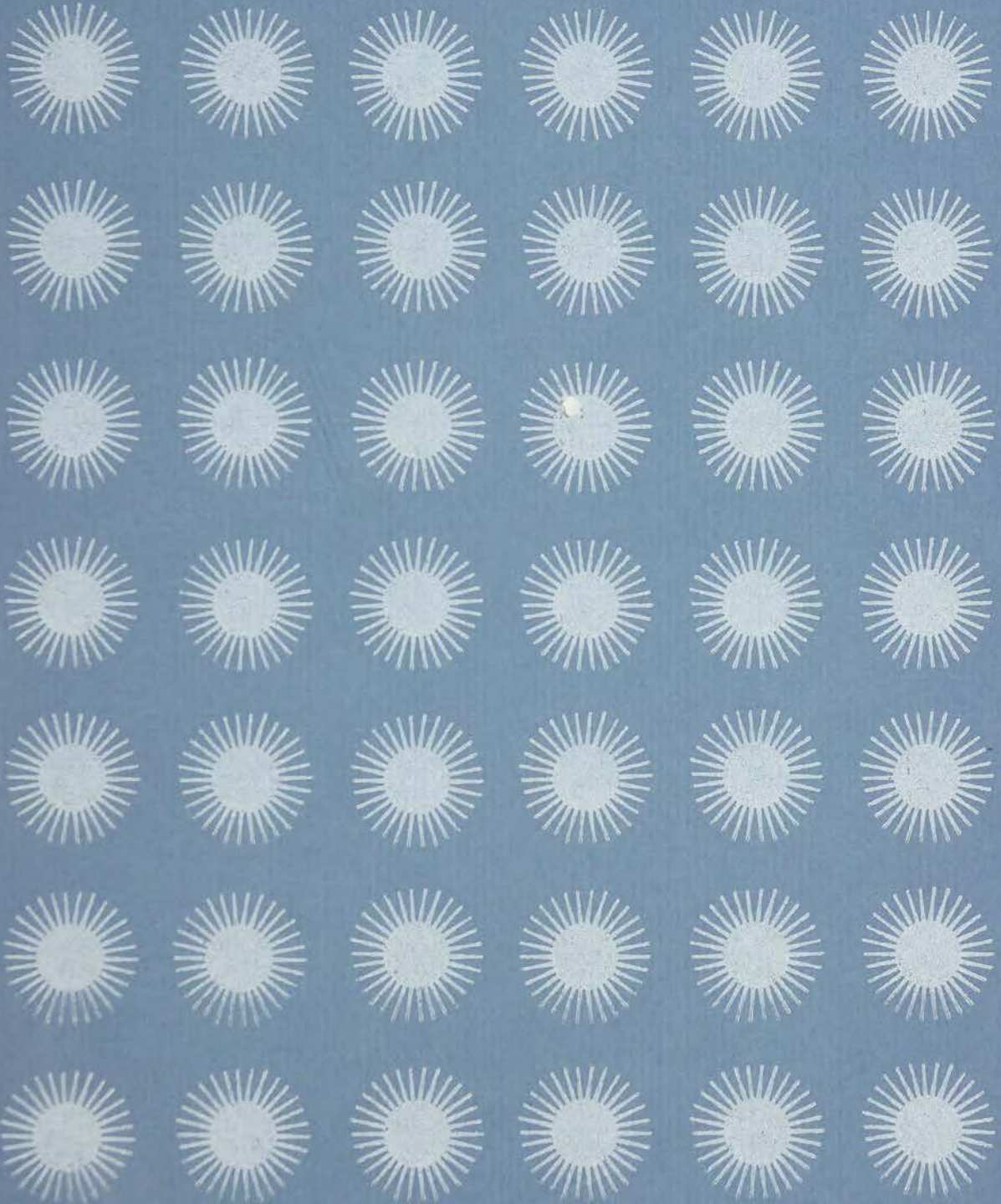
The *President's Home* is fittingly situated as the first building which the visitor sees as he enters the campus.

The *Herbert E. Wadsworth Field House*, with a seating capacity of 2,400, contains facilities for men's physical education. It has one of the largest basketball floors in northern New England.

The *Harold Alfond Arena* adjoining the fieldhouse provides artificial ice in an enclosed and covered rink with a seating capacity for 2,000 spectators.

Athletic Areas include two football fields, two baseball diamonds, fourteen tennis courts, and playing fields for field hockey, archery and informal games. *Johnson Pond* offers an excellent area for outdoor skating.

The *Maintenance Building* contains the shops and offices of the Department of Buildings and Grounds.



1961-62

Divisions, Departments, and Courses of Study

| | |
|---|---|
| | The courses are offered within five divisions as follows: |
| DIVISION OF HUMANITIES | Divisional courses in Humanities and courses in the following departments: <i>Art</i> ; <i>Classics</i> , including classics in English translation, Greek and Latin; <i>English</i> ; <i>Modern Foreign Languages</i> , including French, German, Italian (in English translation), Portuguese, Russian, and Spanish; and <i>Music</i> . |
| DIVISION OF SOCIAL SCIENCES | Divisional courses in Social Science and courses in the departments of <i>Business Administration</i> ; <i>Economics</i> ; <i>Education and Psychology</i> ; <i>History and Government</i> ; <i>Philosophy and Religion</i> ; and <i>Sociology</i> . |
| DIVISION OF NATURAL SCIENCES | Courses in the departments of <i>Biology</i> ; <i>Chemistry</i> ; <i>Geology</i> ; <i>Mathematics</i> ; and in <i>Physics and Astronomy</i> . |
| DIVISION OF AIR SCIENCE | Courses in <i>Air Science</i> . |
| DIVISION OF HEALTH AND PHYSICAL EDUCATION | Courses in <i>Health and Physical Education</i> . |

Division of Humanities

Chairman, PROFESSOR ALLEN

A combined major is offered by the English and Classics Departments. Requirements for the combined major are:

In English: 221, 222; one full year period course or its equivalent in semester courses; 411, 412.

In Classics: either three years of Latin above the level of 103, 104, or three years of Greek.

A combined major is offered by the Classics and Philosophy Departments. Requirements for this major are:

In Classics: either three years of Latin above the level of 103, 104, or three years of Greek, the selection to be approved by the Department.

In Philosophy: Philosophy 112 or 211, 212, 331, 332, 381 or 382, and one further semester course in the Department.

The point scale for the retention of each of the above majors applies to all courses that may be credited toward the major.

ART

Chairman, PROFESSOR CARPENTER

Professor Carpenter, Assistant Professor Miller, and Instructor.

Major requirements: Art 121, 122, 231, 411 and ordinarily 211; at least two semester courses chosen from Art 252, 271, 311, 312, 314, 318; and additional courses in Art to bring the total to nine semester courses; and two semester courses in Ancient or European History. The point scale for retention of the major applies to courses taken in the department.

CLASSICS

Chairman, PROFESSOR ALLEN

Professor Allen, Mr. Dell, and Instructor.

Major requirements:

Classics: three years of Latin above 103, 104, and three years of Greek.

Greek: four years of Greek, and History 261, 262 or one additional year-course in the Classics Department.

Latin: four years of Latin above 103, 104, and History 261, 262 or one additional year-course in the Classics Department.

The point scale for the retention of each of these majors applies to all courses which may be credited toward the major.

Attention is invited to the opportunity for concentrating in the combined majors *Classics-English* and *Classics-Philosophy*. See page 63.

ENGLISH

Professors Chapman and Strider; Associate Professors Alice Comparetti, Benbow, Cary, Sutherland, and Forde; Assistant Professors MacKay, Suss, Iorio, Witham¹, Yokelson, Brown², and Curran; Mr. Garab, Dr. Kirk, Mr. Phillips² and Instructors.

Requirements for majoring in *English Literature* are: in the sophomore year, English 221e, 222 and History 253; in the junior year, four semester courses from the courses listed below, two semesters of which must be from periods before 1800; in the senior year, English 411, 412 and two additional semesters from the courses listed below.

Requirements for majoring in *American Literature* are: in the sophomore year, English 221e, 222 and History 281, 282; in the junior year, English 371, 372 and two semesters of English Literature from periods before 1800 from the courses listed below; in the senior year, English 423, 424 and two additional semesters from the courses listed below.

¹ On leave 1960-61.

² 1960-61.

The courses credited toward these majors are: 311, 312, 314, 315, 316, 317 (for those not required to take 411, 412), 318, 332, 334, 335, 336, 351, 352, 353, 354, 361, 362, 363, 364 (of courses 361 through 364 only two semesters may be credited toward the major), 365, 366, 371, 372, 411, 412, 413, 423, 424. The point scale for retention of the major applies to any of these courses taken and to English 221e, 222.

The history requirement for either major may be met by prescribed reading and examination.

Attention is invited to the opportunity for concentrating in the combined major *Classics-English*. See page 63.

A non-credit course in remedial English is offered for those students referred to it from upper classes.

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR MCCOY

Professors McCoy and Kellenberger; Associate Professors Strong, G. Smith, P. Bither, Biron, and Holland; Assistant Professors Schmidt, Brady, Cauz, and Kempers; Miss Pallister, Miss Sherwin, and Instructor.

Placement Test: Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college. (See page 32 for further details.)

Requirements for majoring in *French* are: French 105, 106; 221, 222; and two of the three French courses: 343, 344; 345, 346; 357, 358; German 225, 226. History 221, 222 is recommended in the sophomore year. A student desiring certification for teaching French must also include French 312 and 413.

Requirements for majoring in *German* are: German 107, 108; 225, 226; and any two of the three German courses: 343, 344; 345, 346; 347, 348. History 221, 222 is recommended in the sophomore year.

Requirements for majoring in *Spanish* are: Spanish 105, 106; 221, 222; and any two of the three Spanish courses: 351, 352; 355, 356; 357, 358; German 225, 226. History 221, 222 is recommended in the sophomore year. A student desiring certification for teaching Spanish must also include French 413.

The point scale for retention of each of these majors applies to all courses taken in the Department of Modern Foreign Languages.

MUSIC

Chairman, PROFESSOR COMPARETTI

Professor E. Comparetti; Associate Professor Ré; Mr. Fiedler

and Mrs. Fiedler.

Major requirements: either Music, 101, 102 or 103, 104; Music 111, 112, 211, 212, 301, 302 and 305, 306. Two semester courses in European History and either French 103, 104 or German 103, 104. Students planning graduate work in musicology are advised to elect both languages.

The point scale for retention of the major applies to all Music courses.

Division of Social Sciences

Chairman, ASSOCIATE PROFESSOR BIRGE

Opportunity is offered for concentration in the following inter-departmental majors as well as in the usual departmental subjects:

American Civilization: Adviser, Mr. Yokelson.

Major Requirements: History 281, 282 and four additional semesters of American History; English 367, 368 (formerly 341, 342) and two additional semesters of American Literature; Economics 221, 222 or 241, 242; Philosophy 351 and Religion 312; two semesters in American Government (consult with adviser on choice). The point scale for retention of the major applies to all courses that count toward the major.

Philosophy-Mathematics: Advisers, Mr. Schiller and Mr. Combellack.

Major Requirements:

In Philosophy: 212 and either 211 or 112; 331 and 332; 357 and one further semester course in the Department. *In Mathematics*: six semester courses in Mathematics comprising either (a) 123, 124, 221, 222, 361, and 362; or (b) 125, 126, 361, and 362, plus two additional semester courses in Mathematics. The point scale for retention of the major applies to all courses that count toward the major.

Students should consult with one of the departments involved regarding the advisability of electing this combined major, and should register for the first course in mathematics in the freshman year.

BUSINESS ADMINISTRATION

Chairman, ASSOCIATE PROFESSOR ZUKOWSKI

Professor Williams; Associate Professors Seepe and W. Zukowski; Mrs. Fisher, Mr. Madison¹, and Instructor.

Major requirements starting with Class of 1964: Business Administration 221, 222, 321, 322, 413, 414; Mathematics 123, 124; Economics 241, 242; and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 332, 336; or any additional courses in Business Administration.

Courses to which the point scale for retention of the major applies include all Business Administration courses. If, in lieu of courses in Business Administration, one or two semester courses from the approved group are used to satisfy major requirements, then these grades must also be included.

Major requirements for the Classes of 1962 and 1963 will be the same as above except that Mathematics 123, 124 will not be required and that the point scale for retention of the major will include Economics 241, 242.

Students planning to do graduate work in Business Administration should consult with the Chairman of the Department of Business Administration early in their college career.

ECONOMICS

Chairman, PROFESSOR BRECKENRIDGE

Professors Breckenridge and Pullen; Assistant Professor Barlow; Mr. Bober.

Major requirements: Economics 241, 242, and eight additional semester courses in Economics.

Students interested in business may substitute Business Administration 221, 222 or Business Administration 321, 322 for two of the eight semester courses in advanced economics required for the major. They may, of course, elect additional courses in Business Administration.

Students who wish to be recommended by the Department for graduate work in economics are urged to include the following advanced courses among the eight semester courses in advanced economics required for the major: Economics 331, 332, 341, 342, 371, and 411. If a student intends to be a candidate for the Ph.D. degree, he should also acquire a reading knowledge of both French and German, and a working knowledge of elementary statistics.

The point scale for continuation in the major applies only to

¹ 1960-61.

courses in Economics, except that Business Administration 221, 222 or Business Administration 321, 322 will be counted if one of these pairs of courses is substituted for two semester courses in advanced economics in fulfilling the major requirement.

EDUCATION AND PSYCHOLOGY

Chairman, PROFESSOR JOHNSON

Professor Johnson; Associate Professors N. Smith and Perez; Assistant Professor Gillespie; and Mr. Fozard.

EDUCATION

The College offers four basic semester courses: Education 301, 302 and 311, 312 designed especially for prospective teachers. These courses meet the requirements of the State Department of Education in Maine for the Two Year Provisional Secondary Certificate which is granted to college graduates who have completed twelve semester hours in Education and Psychology. No more than six may be in Psychology. These courses are acceptable in most states for credit toward secondary school certification. They also may be considered as background courses for later specialized work in institutions which prepare teachers for elementary schools.

The student who is planning to teach in another state should study the specific requirements of that state.

Special Methods Courses may be included among the courses presented for certification. The Special Methods Course now offered is: French 413. Teaching of French and Spanish in the Secondary School.

The sequence of courses in Education listed in this catalog provides the minimum requirement for teacher certification in most states.

The student must have, in addition, sound preparation in an academic subject commonly taught in high schools. In view of present-day needs, the prospective teacher should have, preferably, a B or better average in his major.

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

PSYCHOLOGY

For students entering with the class of 1965 and in subsequent years, requirements for the major in Psychology are: Mathematics 123, 124 and 241; Biology 101, 102; Psychology 221e, 222, 353, 371, 374 or 376, 451, and two additional semester courses selected from among Mathematics 242; 221, 222; and 243, 244, or from among the other course offerings in Psychology. Students

who entered with the class of 1964 or earlier will be expected to approximate these requirements as nearly as possible; specific programs satisfactory to the department will be arranged in consultation with individual students.

The point-scale for continuation in the major applies to all Psychology courses plus all other courses presented in fulfillment of the major.

Students contemplating the major in psychology must take Mathematics 123, 124 in their *freshman* year.

HISTORY AND GOVERNMENT

Chairman, PROFESSOR MAVRINAC

Professor Mavrinac; Associate Professors Gillum and Raymond; Assistant Professors Berschneider, Bridgman and Rothchild.

The Department offers majors in both History and Government. Attention is invited to the opportunity for concentrating in *American Civilization*. (See page 66.)

The requirements for the major in *History* are: either History 121e, 122¹ or Social Science 121e, 122 plus eight semester courses in History and two semester courses in Government. A student may not count both History 121e, 122 and Social Science 121e, 122 toward fulfilling the requirement.

For the classes of 1963 and thereafter one of the required eight semester courses in History must be numbered in the 400's.

The point scale for retention of the major applies to all courses taken in the department and to Social Science 121e, 122.

Social Science 121, 122, Social Thinkers in the Western Tradition, is the beginning course in History. (See page 126 for description.) It is required of all majors in History of the class of 1964 and of classes thereafter. Students planning to major in History should enroll in one of the special History sections of the course.

The requirements for majoring in *Government* are: Social Science 121e, 122, plus eight semester courses in Government, and two semester courses in History. (Members of the Class of 1963 or of earlier classes are exempt from the Social Science 121e, 122 requirement for majoring in Government.) The normal sequence of courses for a student majoring or contemplating majoring in Government is: Social Science 121e, 122 in the Freshman year; Government 233 and Government 234 in the Sophomore year; and at least six additional semester courses in Government in total during the Junior and Senior years.

¹ Course not given after 1959-60.

All majors are required to take Government 321, 322 and at least one semester course in Government numbered in the 400's. The point scale for retention of the major applies to all courses taken in the Department, and Social Science 121e, 122.

Social Science 121, 122, Social Thinkers in the Western Tradition, is the beginning course in Government. (See page 126 for description.) It is required of all majors in Government of the class of 1964 and of classes thereafter. Students planning to major in Government should enroll in one of the special Government sections of the course.

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR CLARK

Professors Clark and Osborne; Associate Professor Reuman; Assistant Professor Todrank; Dr. Schiller, Mr. Hudson,¹ and Instructor.

Two majors are offered in the department, and it cooperates in offering two combined majors, as follows:

A major in *Philosophy*: requirements: Philosophy 212, and 112 or 211, 331, 332, 381 or 382, and three further courses in Philosophy selected with the approval of the department. Social Science 121, 122 may be substituted for two or the latter.

A major in *Philosophy and Religion*: requirements: Religion 111, 213, 214, 311, 381 or 382. Philosophy 112, 212, 331, 332, or 354 or 351, 372.

The point scale for retention of each of the above majors applies to all courses that count toward the major.

A combined major in *Philosophy and Mathematics*, (see page 66).

A combined major in *Classics and Philosophy*, (see page 63).

For the general student, recommended opening courses in Philosophy are as follows.

- I. The sequence, Religion 111, Philosophy 112, available especially for freshmen.
- II. For students first electing a Philosophy course at the sophomore level or higher, Philosophy 211, 212.
- III. For upper-class students interested in the historical development and greatest figures of Western Philosophy, Philosophy 331 and 332.

SOCIOLOGY

Chairman, ASSOCIATE PROFESSOR BIRGE

Associate Professor Birge; Assistant Professors Geib and Rosenthal

¹ 1960-61.

Major requirements: Sociology 221, 222, and eight additional semester courses in Sociology, including Sociology 311, 312; Economics 221, 222 or Economics 241, 242; and two semester courses in History.

Students planning to do social work should, at the beginning of their sophomore year, consult with the instructor concerning minimum requirements. However, please note that the course on social work can not be offered for credit as a Sociology major. The point scale for continuation in the major applies to all courses required for the major.

Division of Natural Sciences

Chairman, PROFESSOR REID

Attention is directed to the combined major in *Geology and Chemistry*. The objective of this curriculum is to provide a broad and fundamental training integrating classical geology with the techniques of those aspects of Chemistry, Mathematics, and Physics needed for progressive advancement in modern geological science. Advisers: Mr. Hickox, Mr. Machermer.

Suggested curriculum:

Freshman year: English 121, 122; Language; Mathematics 123, 124; Chemistry 141, 142; AFROTC or elective.

Sophomore year: Language; Mathematics 221, 222; Geology 251, 212; Physics 141, 142; AFROTC or elective.

Junior year: English 221, 222; Chemistry 221, 222; Geology 241, 242; two electives.

Senior year: Chemistry 321, 322; Geology 311, 312; three electives.

The point scale for retention of the major applies to all courses in Geology and Chemistry.

BIOLOGY

Chairman, PROFESSOR SCOTT

Professor Scott; Associate Professor Terry; Assistant Professor Easton; and Dr. Davis.

Major requirements: Mathematics 123-124; Chemistry 141-142; four years of biology including Biology 101-102 and one additional year of science. Students preparing for graduate study in the biological sciences, including biology majors who plan to enter dental, medical or veterinary schools, must take physics

and organic chemistry. It should be noted that university requirements for the Ph.D. degree in areas of biological science include a reading knowledge of two modern foreign languages.

The point scale for retention of the Biology major applies to Chemistry 141, 142; Mathematics 123, 124; and all courses in Biology.

The department encourages its students to take courses at approved summer laboratories such as the Marine Biological Laboratory at Wood's Hole, Mass., and would approve the granting of credit for such courses toward the major requirement.

CHEMISTRY

*Chairman, PROFESSOR REID*¹

*Professor Reid; Associate Professors Ray and Machemer; Dr. Chipman and Mr. Thompson.*²

The Chemistry Department is accredited by the American Chemical Society for training on the undergraduate level. The content and nature of the courses offered in the professional major furnish the student with the maximum depth, consistent with adequate breadth, in the field of Chemistry, so that the graduate is well equipped for either university postgraduate work leading to the doctor's degree, or for a responsible position in chemical industry.

Professional Major

Required four-year curriculum as follows (subject to minor change by permission of the chairman of the department):

Freshman year: Chemistry 141, 142; English 121e, 122; Mathematics 123, 124 or 125, 126; Intermediate Language or Social Science; AFROTC or Elective.

Sophomore year: Chemistry 221, 222; English 221e, 222; Mathematics 221, 222; Physics 141, 142; AFROTC or Elective in Social Science or Humanities.

Junior year: Chemistry 223, 224; Chemistry 321, 322; German 101, 102; Social Science or Humanities; Elective.

Senior year: Advanced Chemistry; Advanced Chemistry or Elective; Social Science or Humanities; German 103, 104; Elective.

Two years of French and a second course in Physics are highly recommended.

Non-Professional Major

Requirements: Chemistry 141, 142, 221, 222, 223, 224, 312.

¹ On leave, 1960-61, Acting Chairman: Associate Professor Machemer.

² 1960-61.

Other courses, best suiting the needs of the student, should be selected in consultation with the head of the department.

Attention is called to the combined major in *Geology and Chemistry*. (See page 71.)

GEOLOGY

Chairman, PROFESSOR KOONS

*Professor Koons*¹; *Assistant Professor Hickox*; *Mr. Pestana*.

Major requirements: Geology 101, 102; 211, 212; 241, 242; 311, 312; 352; Mathematics 123, 124; Chemistry 141, 142. The point scale for retention of the major applies to all courses taken in the department. Students planning professional careers in Geology should remember that graduate schools will require a summer field course or its equivalent, at least one year in Physics and Biology, and frequently an additional year in Mathematics, for admission, and that candidates for the doctorate must demonstrate a reading knowledge of at least two foreign languages.

Attention is also called to the combined major in *Geology and Chemistry* on page 71.

MATHEMATICS

Chairman, PROFESSOR COMBELLACK

Professor Combellack; *Associate Professor Lucille Zukowski*; *Mr. Wheeler* and *Mr. Junghans*.

Major requirements: Mathematics 123, 124, 221, 222, 321, 322, 341, 342, 361, 362, 421, 422. Mathematics 381 may be substituted for 322 by permission. The point scale for retention of the major applies to all courses in the department.

Attention is invited to the combined major in *Philosophy-Mathematics*. (See page 66.)

PHYSICS AND ASTRONOMY

Chairman, PROFESSOR BANCROFT

Professor Bancroft; *Associate Professor Fairley*; *Assistant Professor Mayers*²; and *Dr. Beatty*.

The Department seeks to train its students to think analytically in terms of the fundamental principles of physics. The subject matter in the various courses is carefully selected to illustrate the application of basic laws to specific situations, rather than merely to provide formulae for solving a wide variety of problems. The course offerings have been restricted to the fields

¹ On leave first semester, 1960-61.

² On leave 1960-61.

that are felt to represent a common background for professional physicists or astronomers. These fields form an excellent background for graduate study in physics or in the other natural sciences; they comprise almost all of the subject matter likely to support the work of students majoring in other departments. An opportunity is provided at the senior level for special study on a topic of particular interest to the individual student.

Students intending to major in *Physics* should elect Physics 141, 142, and two semester courses in mathematics in their freshman year. They will be expected to complete Chemistry 141, 142, Mathematics 221, 222, and Physics 211, 212 by the end of the sophomore year. A grade of C or better in all these courses is normally required for further work in the department. Completion of the major will require at least two further semester courses in mathematics, Physics 301, 302, and two semester courses in physics at the 400 level. The point scale for retention of the major applies to all courses taken in physics, chemistry and mathematics.

In view of graduate school requirements, and of the extensive literature of physics in German and Russian, it is strongly recommended that the physics major fulfill his college language requirement in one of these tongues. Students contemplating graduate work should acquire a reading knowledge of two modern languages from the group French, German, Russian, in summer school if necessary.

Division of Air Science

Chairman, PROFESSOR PETERSON

Professor Peterson (Lt. Col.); Assistant Professors Felger¹ (Maj.), Starker (Maj.); and instructor.

Qualified students successfully completing the Air Science courses will be commissioned Second Lieutenants in the United States Air Force Reserve upon graduation.

Outstanding senior students exhibiting fine qualities of leadership and character may be designated Distinguished Graduates, which in turn makes them eligible to compete for a regular officer career in the Air Force.

¹ 1960-61.

Full academic credit is given for each of the AFROTC courses. Two phases, Basic and Advanced, are described as follows:

The Basic phase consists of Air Science 121, 122 taken during the freshman year and Air Science 221, 222 taken during the sophomore year. Three classroom hours and one field laboratory period per week are scheduled for each course. These Basic courses, or their equivalent, are a prerequisite for the Advanced Course.

Male students accepted for enrollment in the Basic Course at Colby will be sent an AFROTC application form. This form is necessary for getting complete uniforms in readiness for the incoming student. A physical examination form, to be filled out by the family physician, will also be sent and should be returned prior to school opening. Applicants who have reached their 23rd birthday are normally ineligible for the Basic Course.

The advanced phase consists of Air Science 321, 322 taken during the junior year, and Air Science 421, 422 in the senior year. These courses have four classroom hours and one field laboratory period per week.

Advanced Course students must attend four to six weeks of summer training at an Air Force base between the junior and senior years. During this period they are paid approximately \$75 per month plus travel pay, quarters and food, uniforms and medical care.

During the Advanced phase, cadets receive approximately \$27 per month and are issued an Air Force officer's uniform.

A student must apply for enrollment in the Advanced Course. If acceptable to the President of the College and Professor of Air Science, the student will be enrolled upon signing a contract agreeing to (1) complete the Advanced courses, (2) attend the summer camp, (3) accept a commission upon graduation. 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 must not have reached their 25th birthday at the beginning of this phase.

The majority of graduating AFROTC cadets will be qualified for pilot or navigator training in the United States Air Force. These graduates have an excellent opportunity to become career officers in such fields as Electronics, Administration, Meteorology, Legal, Research and Development, and Logistics.

Qualified veterans may be commissioned in the Air Force

Reserve without active duty obligation upon graduation and may be selected for pilot or navigator training in the Air Force.

The Department of Air Science sponsors the following organizations which are administered by the members of the Advanced Cadet Corps; AFROTC Band, Drill Team, Rifle Team and the Arnold Air Society.

Each year awards sponsored by various civic, military and business organizations are presented for outstanding achievement in various phases of the program.

Candidates for admission to Colby who desire more detailed information about the AFROTC program should write directly to the Professor of Air Science.

Division of Health and Physical Education

Chairman, PROFESSOR LOEBS

Professor Loeb; Associate Professors L. Williams and Marchant; Assistant Professors Winkin¹, Clifford, Kelley, Marjorie Bither, and Simpson; Miss Gulick, Mr. Bartow²; Dr. Dore; Mrs. Fortune, R. N., and Mr. Nelson.

Physical Education is required of all freshmen and sophomores for graduation, as an integral part of the college curriculum. The aim of the Division is to stimulate interest and develop skills in a variety of individual and team games. In the required physical activities program those games and sports that have a carry-over value in post graduate days are stressed. Participation in this Division is subject to the approval of the College Physician and his staff.

PHYSICAL EDUCATION FOR MEN

The Physical Education program for men includes required classes, intramural sports, intercollegiate athletics (varsity and freshman) and informal recreational activities.

Physical Education 1, 2. Instruction and supervised competition in seasonal sports during the year. (Required of all freshmen)

Physical Education 3, 4. Instruction and supervised competition in seasonal sports during the year. (Required of all sophomores)

¹ On leave first semester, 1960-61.

² First semester, 1960-61.

A semester's work failed in the first two years must be repeated in the junior year. Selection of the Physical Education sections must be made at the time of the regular academic course elections. A prescribed uniform is required for physical education activity classes and can be secured at the College Bookstore. Lockers and towels are provided to all students in the program. Participation on varsity or freshman teams may be substituted for physical education section assignments, within the season or seasons, during the freshman and sophomore years.

The Intramural Athletic Council, composed of one representative from each participating unit, promotes participation in athletics for all men students. Every student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball, bowling, hockey, ping-pong, volleyball, winter sports, track, softball and tennis. As new interests develop the program of intramural athletics will be increased.

Intercollegiate athletic contests are under the supervision of the Director of Intercollegiate Athletics. Advisory control is exercised by the Council on Intercollegiate Athletics composed of members of the faculty and the alumni council. The rules that govern all intercollegiate sports are those adopted by the various athletic conferences in which Colby holds membership.

No member of the freshman class and no undergraduate previously enrolled in another college or university and in attendance at Colby College for less than one full college year is eligible to represent Colby on varsity athletic teams.

Colby sponsors a full program of intercollegiate athletics with competition in football, soccer, hockey, baseball, basketball, track and field athletics, skiing, tennis and golf. Colby, Bowdoin, Bates and the University of Maine compete in what is historically known as "The Maine State Series."

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.

In addition to class instruction, the department cooperates with the Women's Athletic Association in carrying on tournaments throughout the year. The Dance Club provides an opportunity for those interested in dance. Swimming instruction and synchronized swimming are carried on at the Boys Club pool. The Red Cross Water Safety Instructors' course is also

given. There is skiing instruction for beginners on the campus and many take advantage of the Sugarloaf and Farmington ski areas. Women's skating classes have instruction in basic figures and dancing on ice in the Alford Arena.

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.

Seasonal offerings from which election may be made are:

Fall: archery, field hockey, golf, tennis and modern dance;
Winter: badminton, basketball, folk, square and modern dance, swimming, volleyball, skating, skiing, body mechanics and tournaments; Spring: archery, golf, lacrosse, softball, tennis and modern dance.

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 athletics but also emphasize training in health and physical education for students who are interested in entering the field of teacher-coach.

Adult Education and Extension

Recognizing the diversification of educational interests existing in every community, Colby College supplements its curriculum with "extension" courses. The Division of Adult Education and Extension was created in 1954, providing a full-time director for a program which had its beginnings three decades earlier, when evening courses were introduced.

During the academic year this division arranges conferences, such as the Annual Institute for Maine Industry. Each summer more than 2,000 individuals from throughout the nation are on campus for courses and institutes covering a range of subjects from Great Books to Hospital Administration. High school teachers of science and mathematics attend the six weeks Summer Institute for Science, sponsored by Colby and the National Science Foundation. Doctors enroll in the Lancaster Courses in Ophthalmology.

Since 1955 Colby has assisted teachers to earn graduate credit, presenting courses through simultaneous telecasts from three

stations which reach into Maine, Vermont, New Hampshire, New York and Canada.

Information as to any of these activities may be obtained by writing to Professor William A. Macomber, Director of the Division of Adult Education and Extension.

Summer School of Languages

Colby has conducted a Summer School of Languages since 1948. French, German, Russian and Spanish are offered at the elementary, intermediate, and advanced levels.

Instruction is of the intensive type, covering in seven weeks a full year's work at the college level. The faculty is composed of native or bilingual instructors drawn from many colleges. All languages being studied are used by students both inside and outside the classroom in so far as circumstances and previous training permit.

The School is organized especially for the training of the individual who looks ahead to graduate or foreign study, positions or travel in foreign lands, translation work, foreign language teaching, or government service.

Between high school graduation in June and college matriculation in September, a high school graduate can earn a year of college language credit.

Literature concerning the School is available from the director, Professor John Franklin McCoy.

Courses of Study

KEY TO SYMBOLS AND METHOD OF COURSE DESIGNATION

Each course is known by a course title and also, for convenience of reference and ease in record-keeping, may be referred to by subject and number: *The Theory and Practice of Design* is also *Art 231*.

The first digit indicates the class or classes eligible to take the course:

- 100 – open to freshmen,
- 200 – open to sophomores, and classes above,
- 300 – open only to juniors and seniors,
- 400 – ordinarily restricted to seniors.

The second digit may be:

- zero* – either semester of a year-course, with credit given only on completion of the two semesters;
- an even number* – indicating either member of a pair of closely related semester courses; or
- an odd number* – indicating an independent semester course.

The last digit shows the semester in which the course is offered. Courses ending in odd numbers are first semester (fall) courses while those ending in even numbers are given in the second semester.

Thus *Art 231* may be elected no earlier than the sophomore year (as it is a “200 course”); it is an independent one-semester course (shown by the 3, an odd number); and it is given in the first semester (since the final digit is also odd).

The letter “a” after a course number indicates that it is an “accumulative” course, in which course-credit may be obtained only through an accumulation of credit over several semesters or even several years.

The letter “d” after a course number indicates that the course is repeated each semester. The “d” followed by the number 1 or 2 is used to designate a course being given out of its usual semester. *Geology 313d2* is thus an independent semester course for juniors or seniors ordinarily given in the fall but this year being presented in the spring instead.

The letter “e” after a number indicates an “E” course. Two closely related semester courses (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” may be given for the first, provided the course is so designated under the course description in the current catalog. “E” designates

provisional failure, but the deficiency may be made up by satisfactory completion of the sequentially related course in the immediately following semester. When thus made up, the first semester mark is changed to one determined by the instructor. An "E" course finally carries a separate permanent mark for each semester.

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

□ Brackets indicate that the course will not be offered in 1961-1962.

* An asterisk indicates that the course will probably not be offered in 1962-63.

† A dagger indicates that the course will probably be offered in 1962-63.

A schedule of hours and rooms for courses listed in this catalog is available at the Recorder's office at registration periods.

Courses listed are subject to withdrawal at the discretion of the College Administration.

Members of the active faculty for the academic year 1960-61 are listed under each department. The word "instructor" is used to indicate expected additions to staff in 1961-62.

Air Science

121, 122
AIR SCIENCE I

Air Science 121 is the course Social Science 121e, Social Thinkers in the Western Tradition.

Air Science 122, Foundations of Air Power, follows in the second semester. It entails a general study of air power and basic aeronautical science.

Leadership Laboratory (both semesters) is concerned with customs of the services, military courtesy, and basic drill.

221, 222
AIR SCIENCE II

Air Science 221 continues Air Science 122, Foundations of Air Power, with emphasis on elements of aerial warfare, employment of air forces, and space operations.

Air Science 222 is the course Philosophy 212, Critical Thinking.

Leadership Laboratory (both semesters) emphasizes non-commissioned officer training.

321, 322
AIR SCIENCE III

Air Science 321 is the course English 131d1, General Speech. An additional period each week will be devoted to the topic of military justice.

Air Science 322 is the course Psychology 222.

Prerequisite: Air Science 221, 222 or equivalent.

421, 422
AIR SCIENCE IV

Air Science 421 and 422, Government Leadership and Air Power Concepts, are courses in Government: 335, International Relations, and 336, International Organization. An additional period each week will be used to study weather and navigation during the first semester, the Air Force Officer in the second semester.

Leadership Laboratory: assigned authority and responsibility in the Cadet Corps under supervision of the military faculty.

AIR SCIENCE 424a

For participation in Leadership Laboratory and other scholastic studies required, in addition to the prescribed curriculum by the department of Air Science, a student may receive credit for a one semester course provided he successfully completes four years of Air Science subjects as an enrolled Air Science Cadet. Grades are computed on an accumulative basis.

Art

121, 122
INTRODUCTION TO ART
MESSRS. CARPENTER AND MILLER

In the first semester, an analytical approach to the visual arts and the historical development of European art through the Middle Ages. In the second semester, the history of art from the Renaissance to the present.

Course 121 is prerequisite for 122.

†[211]
THEORY AND PRACTICE
OF DRAWING

The practice of drawing, with discussions and occasional lectures. Limited to 40 students.

Prerequisite: General aptitude.

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| †[212] ADVANCED DRAWING | A continuation of the work begun in 211, with more complex problems. Modeling in clay is done to intensify knowledge of the human figure. Limited to 20 students. Prerequisite: Art 211. |
| *231 THEORY AND PRACTICE OF DESIGN; INTRODUCTION TO PAINTING MR. CARPENTER AND INSTRUCTOR | Problems in design, with an emphasis on color. Studio course with discussions and lectures. Limited to 40 students. Prerequisite: General aptitude. |
| *232 INTRODUCTION TO PAINTING INSTRUCTOR | A continuation of 231, with more complex problems. Limited to 20 students. Though not prerequisite, Art. 211 and 212 will be found valuable in this course. Prerequisite: Art. 231. |
| 252 ARCHITECTURE MR. MILLER | A survey of architectural styles with emphasis on modern developments. Work in the course will include problems in architectural design and the making of models of historical buildings. |
| 271 AMERICAN ART MR. MILLER | A survey of architecture, sculpture and painting from Colonial times to the present. Lectures and problems will make use of the original material in the Colby collections. |
| *311 ART OF THE RENAISSANCE IN NORTHERN EUROPE MR. CARPENTER | The art of France, Germany and the Lowlands in the fifteenth and sixteenth centuries with emphasis on the major painters from Van Eyck to Brueghel. Special attention will be given to the graphic arts (woodcuts and engravings) in Germany. Prerequisite: Art 121, 122 or permission of the instructor. |
| †[312] ART OF THE RENAISSANCE IN ITALY | The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major painters and sculptors. Prerequisite: Art 121, 122 or permission of the instructor. |
| *314 VENETIAN AND BAROQUE ART MR. MILLER | The art of the sixteenth to eighteenth centuries, with emphasis on the major painters. Prerequisite: Art 121, 122 or permission of the instructor. |
| 318 MODERN ART MR. CARPENTER | In this course special attention will be given to French painting of the nineteenth and twentieth centuries. Prerequisite: Art 121, 122 or permission of the instructor. |

321, 322
STUDIO WORK
INSTRUCTOR

A course in oil painting, with increasing emphasis on independent and original work.

Prerequisite: Art 211, 212, 231, 232 and special permission.

411
SEMINAR IN ART CRITICISM
MR. CARPENTER

Primarily for seniors majoring in the department. Practice in employing critical method, reading, and discussions of various approaches to art criticism will be directed toward study of the present state of knowledge in this field.

Astronomy

in the Department of Physics and Astronomy

121, 122
DESCRIPTIVE ASTRONOMY
MR. FAIRLEY

The earth as an astronomical body. The moon, the sun and the solar system as a whole. The planets, asteroids, satellites, comets and meteors. Theories of the origin of the solar system. Stellar astronomy. The stars, their distribution, constitutions, evolution, and probable future development. Three recitations and one three-hour laboratory period per week. Laboratory periods will sometimes be scheduled in the evening instead of the afternoon.

[201, 202]
ELEMENTARY ASTRONOMY

A survey of the field of astronomy, including the earth as an astronomical body, the solar system, planetary motions, satellites, comets, and meteors.

The major instruments of astronomical research will be studied, including telescopes, cameras, spectroscopes, etc.

Three lectures and one three-hour laboratory weekly. Laboratory will occasionally be in the evening.

Prerequisite: Sophomore standing at least, Mathematics 123, 124, or equivalent (either passed or taken concurrently).

212
CELESTIAL MECHANICS AND
NAVIGATION
MR. FAIRLEY

The orbits of planets, satellites, comets, etc. Double stars and eclipsing stars. Introduction to marine and air navigation. The problem of determining position on the earth's surface by means of observations of celestial bodies. Emphasis will be on modern methods. Three hours of recitation and one three-hour laboratory period per week.

Prerequisites: Astronomy 122 or 202 and Mathematics 124 or 126.

Biology

101, 102
GENERAL BIOLOGY
STAFF

An introduction to the science of biology.

†[221, 222]
BOTANY

Biology 221 emphasizes the structure, physiology, and reproduction of the flowering plants. Biology 222 is devoted to plant evolution and natural history. A survey of plant phyla is made in the laboratory followed by field sessions to gain familiarity with the local flora. Students are expected to make plant collections.

Prerequisite: Biology 101, 102.

231
EMBRYOLOGY
MR. SCOTT

A study of animal development with emphasis on the vertebrates. Laboratory study involves the frog, the chick, and the pig.

Prerequisite: Biology 101, 102.

232
COMPARATIVE ANATOMY
OF THE VERTEBRATES
MR. EASTON

A study of the development of typical form in present-day vertebrates, through consideration of homologies in extinct and living animals, illustrated by dissection of representative forms. This course is organized to form a sequence with Biology 231, which the student is urged to take before 232.

Prerequisites: Biology 101, 102.

*253
INVERTEBRATE ZOOLOGY
MR. DAVIS

A study of the morphology, physiology, and classification of invertebrate phyla in lecture and laboratory. Local and seashore field-work is included.

Prerequisite: Biology 101, 102.

257
HISTOLOGY AND HISTOLOGICAL
TECHNIQUE
MR. EASTON

A study of normal cells and tissues of vertebrates, and their arrangement into organs in the body, with practice in basic techniques of preparing tissues for microscopic observation.

Prerequisite: Biology 101, 102.

258
MICROBIOLOGY
MR. TERRY

The biology of yeast, molds and bacteria. The aims of the course are (1) to develop general knowledge in this area and (2) to give technical training to those who will become laboratory technicians or research workers.

Prerequisite: Biology 101, 102; Chemistry 141, 142.

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| 312 GENETICS MR. SCOTT | Mendelian principles and their physical basis; linkage, mutation and the nature of the gene; genetics and evolution, and a survey of human heredity. Prerequisite: Biology 101, 102. |
| 315 PHYSIOLOGY MR. TERRY | An introduction to the physiological processes, including enzyme action, respiration, permeability, muscular contraction, nervous and hormonal coordination. Prerequisite: Biology 101, 102; Chemistry 141, 142. |
| *316 ECOLOGY MR. DAVIS | A study of the relationship of the organism to its environment. The development, structure, function, and distribution of populations and communities are studied in the laboratory and field. Physical and chemical characteristics of the habitats are measured. The student will find it helpful to have taken botany (Biology 222) and invertebrate zoology before ecology. Prerequisite: Biology 101, 102; Chemistry 141, 142. |
| 421, 422 SPECIAL PROBLEMS STAFF | Normally this course is open only to those who have completed, or are in process of completing, the courses required for the biology major. Prerequisite: special permission. |

Business Administration

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| 221E, 222 PRINCIPLES OF ACCOUNTING MRS. FISHER | A study of the underlying theory and the analytical aspects of accounting. Emphasis is placed on accounting as a control device and tool of management. |
| 321, 322 FINANCE MR. ZUKOWSKI | A basic course in business finance emphasizing the financial problems of the viable business concern. Principles of short-term finance are studied during the first semester. Problems of long-range financial policy are stressed during the second semester. Prerequisites: Business Administration 221, 222 and Economics 241, 242 or special permission. |
| 341, 342 ADVANCED ACCOUNTING MR. ZUKOWSKI AND MRS. FISHER | An advanced study of accounting with stress placed upon the analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined. Prerequisite: Business Administration 221, 222. |

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| 343, 344 MARKETING INSTRUCTOR | An analytical approach to the study of marketing functions, activities, and institutions. Business, economic, and social implications of major policies underlying the activities of such institutions are examined. |
| 353 MANAGERIAL ECONOMICS MR. ZUKOWSKI | Problems of products competition, profits, cost, demand, price determination, advertising, and capital formation are subjected to economic analysis. Concepts rather than detailed techniques are stressed. Economics of production are covered through independent work on the part of the student. Prerequisite: Economics 241, 242. |
| 354 BUSINESS LAW INSTRUCTOR | This course is designed to provide an understanding of the principles of common and statutory law. The nature, purpose, origin and sources of law, as well as legal procedure, are considered. Emphasis is placed upon business relationships. |
| 411 FINANCIAL PROBLEMS OF THE CONSUMER MRS. FISHER | An examination of the principles underlying the financial problems of the individual. Relevant instruments of finance are reviewed in their institutional framework. |
| 412 INVESTMENTS MR. WILLIAMS | 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 and permission of the instructor. |
| 413 ORGANIZATIONAL BEHAVIOR INSTRUCTOR | An examination of the existing empirical data and theoretical concepts dealing with the behavior of people in the business organization. |
| 414 BUSINESS POLICY MR. ZUKOWSKI | A terminal course which builds upon and integrates the core material studied by all business administration majors. Prerequisites: Business Administration 221, 222, 321, 322 and two additional semester courses in Business Administration or from the approved group. (See page 67.) |

Chemistry

141, 142

GENERAL CHEMISTRY

MR. MACHEMER

Selected fundamental principles of theoretical chemistry and systematic inorganic chemistry are studied. The laboratory work of the second term is devoted to semimicro qualitative analysis. No previous knowledge of Chemistry or Physics is necessary for this course.

Prerequisite: 141 is prerequisite for 142.

221, 222

QUANTITATIVE ANALYSIS

MR. RAY

A theoretical and practical course in fundamentals of gravimetric and volumetric methods of analysis. In the laboratory emphasis is placed upon the acquisition of manipulative skills. Lecture work is devoted to the principles underlying chemical analysis, the literature of analytical chemistry, precision and sources of error. A minimum of six hours per week of laboratory work.

Prerequisite: Chemistry 142.

223e, 224

ORGANIC CHEMISTRY

MR. REID

A survey of the chemistry of aliphatic, aromatic and heterocyclic compounds from the point of view of synthesis, structure, properties and uses.

Prerequisite: Chemistry 142; 223 is prerequisite for 224.

312

CHEMICAL PRINCIPLES

MR. MACHEMER

Elements of Physical Chemistry especially planned for pre-medical students. The laboratory work will emphasize quantitative physico-chemical experiments. Offered on demand by three or more students. This course may not be taken for credit in addition to Chemistry 321, 322.

Prerequisite: Chemistry 141, 142, 221 or 222; Physics 141, 142.

321, 322

PHYSICAL CHEMISTRY

MR. RAY

A study of the laws governing the physical and chemical behavior of substances, including the theories and methods of physical chemistry. Special emphasis is given to the application of physical chemical principles to the solution of problems. This course may not be offered for credit in addition to Chemistry 312.

Prerequisite: Chemistry 142, 221, 222. Mathematics 222. Physics 141, 142.

421, 422
ADVANCED ANALYTICAL
CHEMISTRY¹
MR. MACHEMER

Instrumental analytical chemistry, affording theoretical and practical instruction in the use of special instrumental methods, such as colorimetric, conductometric, amperometric, photometric, potentiometric, gas-volumetric, and others.

441, 442
ADVANCED PHYSICAL
CHEMISTRY¹
MR. RAY

Important topics in physical chemistry are discussed from rigorous points of view. The material covered can be varied to suit the needs and interests of the student, and may include extended treatment of surface chemistry, chemical kinetics, thermodynamics, etc. Laboratory work is adapted to the nature of the course, and may involve projects of a semi-research nature.

461, 462
ADVANCED ORGANIC
CHEMISTRY¹
MR. REID

The chemistry of alicyclic and heterocyclic compounds is considered from the point of view of mechanism of reaction, and includes synthesis, structural determination of natural products and molecular rearrangements. Laboratory for the first semester consists of qualitative organic analysis; for the second semester, individual semi-research projects.

467, 468
GENERAL BIOCHEMISTRY
MR. CHIPMAN

A study of the chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Laboratory work deals with the physical and chemical concepts necessary to understand the nature of living systems, and will present an opportunity for individual projects.

Prerequisite: Chemistry 224, and Biology 102 or permission of the Department.

481, 482
ADVANCED INORGANIC
CHEMISTRY¹
MR. MACHEMER

Modern theories and concepts of atomic and molecular structure, with appropriate descriptive and synthetic laboratory work.

¹ All advanced courses meet for two hours of lecture and a minimum of four hours of laboratory work per week. In addition, conferences and extra readings may be required. The Chemistry major should regard the advanced courses not only as opportunities for advancing and consolidating his undergraduate training, but also for gaining a foretaste of the intellectual climate common in industrial research laboratories and chemistry graduate schools.

All advanced courses have as prerequisites: Chemistry 142, 221, 222, 224, 322. Chemistry 421, 422 and 441, 442 are given only as warranted by demand.

Classics (in English)

Note: These courses require no knowledge of Latin or Greek. Attention is drawn also to the course in the history of the ancient world, History 261, 262. (See page 109.)

[CLASSICS 221, 222]
LITERATURE AND THOUGHT OF
THE CLASSIC WORLD

Readings in English translation of major works of Classical Literature from Homer to St. Augustine, including the *Iliad* or *Odyssey*, Greek Tragedy, Herodotus' History, Plato's *Republic*, Vergil's *Aeneid*, Ovid's *Metamorphoses* and St. Augustine's *Confessions*. Attention will be given both to the literary qualities of the works and to the development of classical thought from the beginning to Christianity. Not open to students who have taken Classics 231-232.

CLASSICS 231
CLASSICAL EPIC POETRY
MR. ALLEN

Reading of major works of Greek and Roman epic poetry in translation, with particular attention to Homer's *Iliad*, Vergil's *Aeneid*, and Ovid's *Metamorphoses*. Study of the poems will be accompanied by a general introduction to classical thought and mythology.

Not open to students who have taken Classics 222.

CLASSICS 232
CLASSICAL DRAMA
MR. ALLEN

Reading and analysis of Classical Tragedy and Comedy, with particular attention to the tragedies of Aeschylus, Sophocles, and Euripides.

Prerequisite: Classics 231, or English 222 (or equivalent) or 281.

Economics

221E, 222
THE AMERICAN ECONOMY
STAFF

Designed especially for students majoring in the Humanities, the Sciences, and in Social Sciences other than Economics and Business Administration, this course describes the structure and functioning of the American economy, and seeks to contribute to an understanding of the major present-day economic problems. Course 221 is prerequisite for 222.

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| 241e, 242 PRINCIPLES OF ECONOMICS STAFF | An introductory course in the principles of economics and their applications to modern economic life. Required of majors in Economics and Business Administration, and elective for others who meet the prerequisite. Credit will be given for either Economics 221e, 222 or Economics 241e, 242, but not for both. Course 241 is prerequisite for 242. |
| 321, 322 ECONOMICS OF GOVERNMENT REGULATION MR. BRECKENRIDGE | A study of the role of government in economic life, with emphasis upon the regulation of competition and monopoly and of public utilities. Prerequisite: Economics 221, 222; or 241, 242. Course 321 is prerequisite for 322. |
| 331 INTERMEDIATE ECONOMIC THEORY MR. BOBER | A study of the theoretical concepts involved in the determination of price and output in a market economy. Analyses of both commodity and factor markets will be undertaken. Prerequisite: Economics 221, 222; or 241, 242. |
| 332 MODERN THEORY OF INCOME DETERMINATION MR. BOBER | A study of aggregate economic analysis, with emphasis upon the Keynesian theory of the determination of income and employment. Recent post-Keynesian developments are examined. Both the historical development of the theory and the policies associated with it are studied and analyzed critically. Prerequisite: Economics 221, 222; or 241, 242. |
| 335 ECONOMIC DEVELOPMENT MR. BOBER | The underdeveloped areas and their drive toward economic betterment. An analysis of the techniques involved and the problems to be encountered in the growth process. Prerequisite: Economics 221, 222; or 241, 242. |
| 336 BUSINESS FLUCTUATIONS MR. BOBER | An analysis of the processes of economic change with particular attention to business cycles, including a study of business cycle theories with consideration to the related problem of economic growth. Prerequisite: Economics 221, 222; or 241, 242. |
| 341, 342 MONEY AND BANKING MR. PULLEN | A study of the role of money, credit and banking in the American economy, and the applicability of monetary policy to the problems of economic stability. Prerequisite: Economics 221, 222; or 241, 242. Course 341 is prerequisite for 342. |

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| 352 TAXATION AND FISCAL POLICY MR. BRECKENRIDGE | A study of the American tax structure – federal, state and local – and of the economic effects of various types of taxes and of government fiscal policy. Prerequisite: Economics 221, 222; or 241, 242. |
| 361, 362 LABOR ECONOMICS MR. PULLEN | An analysis of the American labor movement emphasizing the development of unionism, union collective bargaining policies and practices, labor legislation, and the economic aspects of some major problems of labor. Prerequisite: Economics 221, 222; or 241, 242. Course 361 is prerequisite for 362. |
| 371 MAJOR ECONOMISTS, 1750-1900 MR. BRECKENRIDGE | An examination and appraisal of the contributions of the major economists from Adam Smith to Alfred Marshall to the development of economic thought. Extensive use of source material will be made. Prerequisite: Economics 221, 222; or 241, 242. |
| [381, 382] INTERNATIONAL ECONOMICS | A study of international trade theory, the balance of payments, commercial policy, and problems of international disequilibrium and adjustment. Prerequisite: Economics 221, 222; or 241, 242. |
| 392 COMPARATIVE ECONOMIC SYSTEMS MR. BARLOW | An analysis of the basic types of economic systems, with special attention paid to the problems of economic planning and economic development. Prerequisite: Economics 221, 222; or 241, 242. |
| 411 SEMINAR IN ECONOMICS MR. BARLOW | The topic to be analysed will be determined at the first meeting of the seminar. Emphasis is placed upon development of the student's knowledge of the methodology of the discipline and his acquisition of necessary research skills. Prerequisite: Economics 221, 222; or 241, 242; at least two additional semester courses in Economics; and permission of the instructor. |

Education

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| 301, 302 HISTORY AND PHILOSOPHY OF EDUCATION MR. SMITH | A study of the School in historical perspective, including an examination of the various philosophical positions held by philosophers and educational theorists from Plato to Dewey. This course is limited to majors in English, Modern Foreign |
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Languages, Latin, History, Biology, Physics, Chemistry, and Mathematics, or to students who will have had, by the time of graduation, sufficient work in one of the above areas to meet the certification requirements.

311
HUMAN GROWTH AND
DEVELOPMENT
MR. SMITH

A course in developmental psychology with emphasis on the biological, psychological, and social aspects of growth and development from the pre-natal stages through adolescence.

Prerequisite: Education 301, taken previously or concurrently. (Psychology 221, 222, is recommended since some states require this sequence.)

312
EDUCATIONAL PSYCHOLOGY
MR. SMITH

The learner, the learning process, and the learning situation are the three major topics to be discussed in this course. An intensive study of research will be emphasized.

Prerequisite: Education 311.

431
EDUCATION PRACTICUM
MR. SMITH

This course carries six semester hours of college credit, the equivalent of two semester courses.

Class discussions will include such topics as methods in classroom management, problems of the beginning teacher, preparation and presentation of subject material, testing and evaluation procedures, and the professional responsibilities of the teacher.

Observations of classes in local schools will be required with a preliminary introduction to student-teaching. The month of January will be devoted to full-time student-teaching under the supervision of a critic teacher and a college representative.

Prerequisites: Education 311, taken either previously or concurrently, and an average of B or better in the student's major field of concentration.

441, 442
SEMINAR IN EDUCATION
MR. SMITH

A course for the student capable of independent study of a special problem in the field of education. Readings, field study, reports, and final paper.

Prerequisite: An average of B or better in the student's major field and permission of the instructor.

English

121E, 122
ENGLISH COMPOSITION
MR. MACKAY AND STAFF

Training in clear, accurate, and intelligent use of the English language. Required of all freshmen.

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| <p>131d GENERAL SPEECH MR. WITHAM AND STAFF</p> | <p>A general course in the fundamental principles of the composition and oral delivery of speeches.</p> |
| <p>151d ADVANCED SPEECH MR. WITHAM AND STAFF</p> | <p>A study of the composition and oral presentation of extended speeches. Emphasis is placed upon practical problems encountered in a variety of speaking situations.</p> |
| <p>221c, 222 INTRODUCTION TO LITERATURE IN ENGLISH MRS. COMPARETTI AND STAFF</p> | <p>A general introduction to literature in the English language through a study of selected English and American authors. Required of all sophomores. Prerequisite: English 121.</p> |
| <p>253 ARGUMENTATION AND DEBATE MR. WITHAM</p> | <p>A study of the principles of argumentation with application in extended persuasive speeches and formal debate. Prerequisite: English 131 or by permission.</p> |
| <p>254 ORAL INTERPRETATION MR. WITHAM</p> | <p>Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. Prerequisite: English 221 or 223.</p> |
| <p>*281, 282 DEVELOPMENT OF THE THEATRE MR. SUSS</p> | <p>Drama in the western world from the ancient Greek to the beginnings of modern realism. Significant plays will be read and discussed against the background of developing production techniques and the social and intellectual context. Prerequisite: English 121. Qualified students may be admitted to the second semester without the first.</p> |
| <p>311 ANGLO-SAXON LITERATURE; MEDIEVAL LITERATURE I MR. MACKAY</p> | <p>English Literature from the beginning to 1400. The first half of the course considers <i>Beowulf</i>, selected Anglo-Saxon lyrics, Round Table material, early ballads, and selections from <i>Piers Plowman</i>. The latter half is devoted to an intensive study of Chaucer's <i>Canterbury Tales</i>. Prerequisite: English 221, 222; or 223, 224.</p> |
| <p>†[312] MEDIEVAL LITERATURE II</p> | <p>An intensive study of <i>Troilus and Criseyde</i> and the <i>Book of the Duchess</i>, and selections from the <i>Parliament of Fowls</i>, <i>House of Fame</i>, and <i>Boece</i>. Prerequisite: English 311, or permission of the instructor.</p> |

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- *314
THE EARLIER RENAISSANCE
MR. MACKAY
- A brief study of a few major authors – and concepts – of the Italian Renaissance as a background to an intensive study of such authors as More, Erasmus, Wyatt, Surrey, Sidney, and Spenser.
Prerequisite: English 221, 222; or 223, 224.
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- 315
POETRY OF THE LATER
RENAISSANCE
MR. BENBOW
- An intensive study of selected poets including Shakespeare, Donne, Jonson, Herbert, and Marvell.
Prerequisite: English 221, 222; or 223, 224.
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- †[316]
TUDOR DRAMA
- A study of the development of English drama from 1485 to 1602. Attention will be focused on major types and major dramatists including Heywood, Kyd, Greene, Dekker, and Marlowe.
Prerequisite: English 221, 222; or 223, 224.
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- 317
SHAKESPEARE
MRS. COMPARETTI
- Eight or ten representative plays of Shakespeare, with attention to their literary qualities, the development of Shakespeare as a dramatist, and the intellectual background of the Elizabethan age as reflected in his art. Designed especially for non-majors.
Prerequisite: English 221, 222; or English 223, 224.
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- *318
JACOBEAN DRAMA
MR. BENBOW
- A study of the major playwrights and their relation to the intellectual background of the Jacobean period. Selected plays of Webster, Jonson, Tourneur, Middleton, and Ford will be included.
Prerequisite: English 221, 222; or 223, 224.
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- 332
MILTON
MRS. COMPARETTI
- A study of Milton's poetry and prose.
Prerequisite: English 221, 222; or 223, 224.
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- 334
RESTORATION LITERATURE
MR. SUTHERLAND
- A study of selected works by Wycherley, Etherege, Rochester, Dryden, Butler, Locke, and other major English writers of the period from 1660 to 1700.
Prerequisite: English 221, 222; or 223, 224.
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- 335
THE AGE OF POPE
MR. SUTHERLAND
- A study of selected works by Defoe, Addison, Gay, Swift, Pope, Fielding, and other major English writers of the first half of the eighteenth century.
Prerequisite: English 221, 222; or 223, 224.

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- 336
FROM JOHNSON THROUGH BLAKE
MR. SUTHERLAND
- A study of selected works by Johnson, Boswell, Sterne, Gray, Smart, Blake, and other major English writers of the period from 1750 to 1798. Qualified students may be admitted to the second semester without the first.
Prerequisite: English 221, 222; or 223, 224.
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- 351
WORDSWORTH AND HIS
CONTEMPORARIES
MR. CHAPMAN
- A study of selected writings of Wordsworth, Coleridge, Lamb, and Hazlitt. Emphasis will be mainly on Romantic poetry and criticism. (Students who have credit for English 223, 224 may not elect this course.)
Prerequisite: English 221, 222.
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- 352
BYRON, SHELLEY, AND KEATS
MR. CHAPMAN
- A study of the development and chief works of Byron, Shelley, and Keats. (Students who have credit for English 223, 224 may not elect this course.)
Prerequisite: English 221, 222.
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- 353
VICTORIAN LITERATURE:
LITERATURE AND BELIEF
MISS CURRAN
- The effect of the Victorian conflict on literature and on the writer will be explored in terms of Carlyle, Tennyson, Matthew Arnold, Hopkins, and Hardy.
Prerequisite: English 221, 222; or 223, 224.
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- 354
VICTORIAN LITERATURE:
THE COMIC SPIRIT
MISS CURRAN
- A study of the comic tradition in the nineteenth century novel and drama, with particular attention to Thackeray, Dickens, Meredith, George Eliot, Wilde, and Shaw.
Prerequisite: English 221, 222; or 223, 224.
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- *361, 362
EARLY TWENTIETH CENTURY
POETRY AND FICTION
MR. YOKELSON
- In the first semester realism, naturalism, and impressionism will be studied in selected works by Hardy (poetry), Housman, Robinson, Frost, Dreiser, Conrad, and other major writers. In the second semester image, symbol, and vision will be studied in selected works by Pound, Joyce, Eliot, Yeats, Lawrence, and others.
Prerequisite: English 221, 222; or 223, 224. Qualified students may be admitted to the second semester without the first.
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- †[363, 364]
CONTEMPORARY POETRY AND
FICTION
- In the first semester the post-war temper will be studied in selected works by Huxley, Fitzgerald, Hemingway, Eliot, Jeffers, and others. In the second semester the search for new bearings

will be studied in selected works by Eliot, Auden, Thomas, Faulkner, Steinbeck, Mailer, and others.

Prerequisite: English 221, 222; or 223, 224. Qualified students will be admitted to the second semester without the first. (English and American Literature majors may have credit toward the major for only two semesters of 361, 362, 363, 364, but may have course credit for all four semesters.)

†[365, 366]
MODERN DRAMA

The modern theatre in America and Europe, approached through critical reading and discussion of the outstanding plays of the late nineteenth and the twentieth centuries, with lectures on the important theatrical movements of the time. Designed especially for non-majors.

Prerequisite: English 221, 222; or 223, 224. Qualified students may be admitted to the second semester without the first.

367, 368
SURVEY OF AMERICAN
LITERATURE
STAFF

Historical survey of American Literature from Colonial times to the present. Designed for non-major students interested in the study of our native literature.

Prerequisite: English 221, 222; or 223, 224.

371
EARLY AMERICAN AUTHORS
MR. YOKELSON

Selected prose and poetry from the Puritan period, the Age of Reason, and the Pre-Romantic movement in American Literature.

Prerequisite: English 221, 222; or 223, 224.

372
THREE AMERICAN NOVELISTS
MR. YOKELSON

Significant works of Mark Twain, Henry James, and Stephen Crane are read as forerunners of the social, psychological, and naturalistic fiction of the twentieth century.

Prerequisite: English 221, 222; or 223, 224.

373
THE ENGLISH NOVEL I
MR. SUTHERLAND

A study of selected major novels by Richardson, Fielding, Smollett, Sterne, Austen, and other writers of the eighteenth and early nineteenth centuries. Designed especially for non-majors.

Prerequisite: English 221, 222; or 223, 224.

374
THE ENGLISH NOVEL II
MR. SUTHERLAND

A study of selected major novels by Dickens, Meredith, Conrad, Joyce, Huxley, and other writers of the period from the mid-nineteenth century to the present. Designed especially for non-majors.

Prerequisite: English 221, 222; or 223, 224.

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| <p>*376 HISTORY OF THE ENGLISH LANGUAGE MR. MACKAY</p> | <p>An historical study of the vocabulary and grammar of English, its sources and its modern trends. Prerequisite: English 121 and at least one year of foreign language completed in college or exemption from foreign language requirement by passing of Reading Knowledge Examination.</p> |
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| <p>378 EXPOSITORY WRITING INSTRUCTOR</p> | <p>A course designed to help the student in any major field to become more proficient in the kind of writing demanded in business and professional life. Prerequisite: English 121.</p> |
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| <p>381, 382 WRITERS' WORKSHOP MR. SUSS</p> | <p>Practice in the writing of short stories based on a critical study of the development of the form in Europe and America during the nineteenth and twentieth centuries. Consideration will be given to other forms of writing. Prerequisite: English 221, 222; or 223, 224.</p> |
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| <p>411 INTRODUCTION TO SHAKESPEARE MR. BENBOW</p> | <p>A study of selected plays with special attention to the intellectual background and to Shakespeare's development as a dramatist. Prerequisite: English 221, 222; or 223, 224.</p> |
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| <p>412 SHAKESPEARE MR. BENBOW</p> | <p>An intensive study of four plays including <i>Hamlet</i> and <i>King Lear</i>. Prerequisite: English 221, 222; or 223, 224.</p> |
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| <p>†[413] HISTORY OF LITERARY CRITICISM</p> | <p>A study of the classical backgrounds and of the development of English criticism. (Open to juniors by permission.) Prerequisite: English 221, 222; or 223, 224.</p> |
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| <p>423, 424 MAJOR AMERICAN ROMANTICS MR. CARY</p> | <p>A study of the Golden Age of Romanticism in American Literature. In the first semester, representative works of Poe, Emerson, Thoreau; in the second semester, Whitman, Melville, Hawthorne. The first semester may be taken alone but is a prerequisite for the second. Prerequisite: English 221, 222; or 223, 224.</p> |

French

in the Department of Modern Foreign Languages

101, 102

ELEMENTARY FRENCH

MR. KELLENBERGER AND STAFF

Introduction to the language. Modified audio-lingual approach. Conversation, grammar, composition, vocabulary building, reading. Hearing and practicing materials recorded on master tapes. One hour per week of conversational laboratory.

103, 104

INTERMEDIATE FRENCH

MR. SMITH AND STAFF

Intensive and extensive reading of modern prose and poetry. A review, with written exercises, of the fundamentals of grammar and syntax. Conversation. Systematic study of vocabulary and idioms. *Special sections:* Hearing and practicing materials recorded on master tapes. One hour per week of conversational laboratory.

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

105, 106

INTRODUCTION TO FRENCH
LITERATURE

MR. BIRON AND STAFF

A study of masterpieces of French Literature from the Middle Ages through the contemporary period. Development of critical and analytical ability. Class discussion, translation, composition, collateral reading. Hearing and practicing materials recorded on master tape. One hour per week of conversational laboratory, with emphasis on pronunciation, intonation, and comprehension and use of the spoken language. Conducted chiefly in French.

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

221, 222

GREAT WRITERS OF THE
SEVENTEENTH CENTURY

MR. SMITH

A study of principal authors of the period, with particular emphasis on Descartes, Corneille, Molière, Pascal, La Fontaine, and Racine. Collateral reading on the social and historical background. Conducted chiefly in French.

Prerequisite: French 105, 106 or special permission.

223, 224

CONVERSATIONAL FRENCH

MR. BIRON

Practice in oral French for students whose main interest is in the spoken aspects of the language. Organized development of new vocabulary by means of oral and written reports based on the culture and life of modern France. Class discussion of current events to develop free oral expression. Intensive training

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| | in the use of correct grammatical and idiomatic construction. Intended primarily for non-majors. Conducted in French. Prerequisite: French 105, 106. |
| 312 SPOKEN AND WRITTEN FRENCH MR. STRONG | 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 or 223, 224. |
| 343, 344 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY MR. KELLENBERGER | A study of the philosophical movement in France, with particular attention to the thought of Montesquieu, Voltaire, Diderot, and Rousseau. Literary history of the age with readings from the most important works in the field of belles-lettres. Conducted chiefly in French. Prerequisite: French 221, 222. |
| 345, 346 FRENCH LITERATURE OF THE NINETEENTH CENTURY MR. STRONG | 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. |
| [355] THE FRENCH REALISTIC NOVEL OF THE NINETEENTH CENTURY | Study of the form and development of the realistic novel in France through the reading of representative novels of Balzac, Flaubert, and Zola. Particular attention given to the "Comédie humaine" of Balzac. Conducted chiefly in French. Prerequisite: French 105, 106. |
| 357 THE CONTEMPORARY FRENCH THEATER MR. SMITH | The development of French drama from the Théâtre Libre to the present day. Plays representative of the various movements will be chosen from the works of Maeterlinck, Porto-Riche, Cœreil, Claudel, Romain, Lenormand, Sarment, Cocteau, Giraudoux, Montherlant, Sartre, and others. Conducted chiefly in French. Prerequisite: French 221, 222. |
| 358 THE CONTEMPORARY FRENCH NOVEL MR. SMITH | The French novel from 1900 to the present day, with special emphasis on Gide, Proust, Mauriac, Saint-Exupéry, and Camus. Conducted chiefly in French. Prerequisite: French 221, 222. |

412
ADVANCED SPOKEN AND WRITTEN
FRENCH
MR. STRONG

A continuation of French 312, with more emphasis on free composition, originality of expression, and extemporaneous speaking. Conducted in French.
Prerequisite: French 312.

413
TEACHING OF FRENCH AND
SPANISH IN THE SECONDARY
SCHOOL
MR. STRONG

Problems and methods of teaching French and Spanish. Readings, discussions, practice work, and criticisms. Some attention is also directed to the FLES program. Counts as three hours in Education toward the Maine Professional Secondary Certificate. Conducted in English.
Prerequisite: French 221, 222 or Spanish 221, 222.

[454]
DIDEROT

A study of the works of Diderot and his contributions to the thought of the eighteenth century. Particular emphasis upon his literary and aesthetic ideas. Course conducted in seminar style with individual oral and written reports. Conducted chiefly in French.
Prerequisite: French 221, 222.

461, 462
FRENCH SEMINAR
STAFF

Individual work for advanced students. Assigned readings, investigation of special subjects, written and oral reports, examinations.
Prerequisite: French 343, 344 or 345, 346 or 357, 358.

Geology

101, 102
INTRODUCTION TO GEOLOGICAL
SCIENCE
STAFF

A study of some of the fundamental contributions of geological science to the understanding of the Earth.

†[112]
METEOROLOGY

Study of the physical properties of the atmosphere; the origin and classification of weather types; air mass analysis and principles of prediction. Does not satisfy the science requirement.

211
SEDIMENTATION AND
SEDIMENTARY ROCKS
MR. PESTANA

A study of the mechanical and chemical processes of sedimentation, environments, methods of mechanical analysis of sediments, and a description and classification of the sedimentary rocks.
Prerequisite: Geology 102.

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| 212 DESCRIPTIVE MINERALOGY MR. HICKOX | Description of the crystallography, physical properties, and chemical structure of minerals. Prerequisite: Chemistry 141. |
| 221, 222 MAP INTERPRETATION AND GEOMORPHOLOGY OF THE UNITED STATES MR. KOONS | Systematic study of the origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States. Prerequisite: Geology 102. |
| 241, 242 GEOLOGIC STRUCTURES AND FIELD METHODS MR. KOONS | Analysis of rock structures and their significance, with a study of techniques of field mapping. Prerequisite: Geology 102. |
| 251 PALEONTOLOGY MR. PESTANA | Systematic study of fossils; evolution; the use of fossils in geologic correlations. Prerequisite: Geology 102, or Biology 102. |
| *271 GLACIAL GEOLOGY MR. HICKOX | Study of the origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned. Prerequisite: Geology 102, 211. |
| 311 OPTICAL MINERALOGY MR. HICKOX | Study of the optical properties of crystals; technique in the determination of minerals using the petrographic microscope. Prerequisite: Geology 212. |
| 312 PETROLOGY OF THE IGNEOUS AND METAMORPHIC ROCKS MR. HICKOX | Optical study of the igneous and metamorphic rocks, and their origin, structure, and composition. Prerequisite: Geology 311. |
| 313 d2 ECONOMIC GEOLOGY MR. PESTANA | Study of formation, classification, and distribution of metallic and nonmetallic mineral deposits, petroleum, and coal. Prerequisite: Geology 212. |
| †[314] PETROLEUM GEOLOGY | A study of the origin, occurrence, and production of petroleum, natural gas, and related compounds. Attention is given to methods of discovery and correlation of petroliferous rocks. Prerequisite: Geology 211. |

352
STRATIGRAPHY
MR. PESTANA

Study of the history of sedimentary rocks and the development of the North American continent; index fossils and their significance.
Prerequisite: Geology 211; 251.

461, 462
SPECIAL PROBLEMS IN GEOLOGY
STAFF

Field and laboratory problems in Geology, with regular reports and a final written report.
Prerequisite: Permission of the instructor.

German

in the Department of Modern Foreign Languages

101, 102
ELEMENTARY GERMAN
MR. MCCOY AND STAFF

Introduction to the language. Modified audio-lingual approach. Conversation, grammar, composition, vocabulary building, reading. Hearing and practicing materials recorded on master tapes. One hour per week of conversational laboratory.

103, 104
INTERMEDIATE GERMAN
MR. BITHER AND STAFF

Intensive and extensive reading of modern prose and poetry. A review, with written exercises, of the fundamentals of grammar and syntax. Conversation. Systematic study of vocabulary and idioms.
Prerequisite: German 101, 102 or two years of high school German.

107, 108
CONVERSATION,
COMPOSITION,
AND READING
MR. SCHMIDT

Practice in speaking and writing German. Collateral reading in prose selected to meet the individual needs of students majoring in other fields. One hour per week of conversational laboratory. Conducted chiefly in German.
Prerequisite: German 103, 104, or three years of high school German, or special permission.

225, 226
GERMANIC LITERATURES
MR. MCCOY

Reading and interpretation of major literary works of the Germanic peoples, with particular attention to German, Austrian, and Scandinavian masterpieces. *Beowulf*, *Nibelungenlied*, Lessing, Goethe, Schiller, Kleist, Grillparzer, Hebbel, Thomas Mann, Werfel, Ibsen, Undset, and others. Lectures, reports, discussions. Readings in English translations; no knowledge of the German language required.
Prerequisite: Major in a foreign language or in American or English Literature; or English 222 or subsequent course in

English or American Literature with a mark of C or higher. Qualified students may elect German 226 without German 225.

†[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. Conducted chiefly in German.

Prerequisite: German 107, 108 or special permission.

*345, 346
GERMAN LITERATURE OF THE
NINETEENTH CENTURY
MR. BITHER

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. Conducted chiefly in German.

Prerequisite: German 107, 108 or special permission.

[347, 348]
CONTEMPORARY GERMAN
LITERATURE

A critical study of the leading literary trends from Naturalism to the New Realism, with special emphasis on the contribution of Expressionism. Reading and interpretation of representative works from authors such as Thomas Mann, Hesse, H. v. Hofmannsthal, Werfel, Kafka, E. Jünger, and others. An attempt is made to trace the general effect of the past two wars on German Literature. Oral and written reports. Conducted chiefly in German.

Prerequisite: German 107, 108 or special permission.

461, 462
GERMAN SEMINAR
STAFF

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

Prerequisite: German 343, 344 or 345, 346 or 347, 348.

Government

in the Department of History and Government

SOCIAL SCIENCE
121E, 122
SOCIAL THINKERS IN THE
WESTERN TRADITION

This is the beginning course in Government. (See page 126 for description.)

233
EUROPEAN CONSTITUTIONAL
GOVERNMENTS
MR. ROTHCHILD

A comparative study of the governmental structure and politics of Great Britain, France, Germany and other selected European constitutional societies.

Prerequisite: Social Science 121e, 122 or a course in European History, or special permission.

234
AMERICAN NATIONAL
GOVERNMENT
INSTRUCTOR

An examination of the national political process in theory and practice. Special attention will be given to the Presidency, Executive, Congress and the Supreme Court as political institutions, and to the role of parties and pressure groups.

Prerequisite: Social Science 121e, 122 or Government 233 or special permission.

321, 322
POLITICAL THEORY
MR. RAYMOND

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

Prerequisite: Social Science 121e, 122, History 221e, 222, a previous course in Government, or special permission.

323, 324
AMERICAN CONSTITUTIONAL LAW
INSTRUCTOR

A study of the Supreme Court of the United States as part of the American political process. During the fall semester emphasis is laid on the Court's work in the area of federalism, and in that of the national and state regulation of business and labor relations. Special attention is given to the various concepts of the function of the Court elaborated from the Philadelphia Convention to the present. During the spring semester attention is turned to the work of the Court in such areas as the investigative powers of Congressional committees, censorship, freedom of speech and of political organization, segregation, and separation of church and state.

Prerequisite: Government 234 or special permission. Government 323 is a prerequisite to Government 324.

†[333]
TOTALITARIAN GOVERNMENT AND
POLITICS

The ideological framework and the organization and operation of political institutions in Nazi Germany, Fascist Italy and Communist Russia, with major attention being given to the Russian system.

Prerequisite: A previous course in Government, preferably Government 233, or special permission of the instructor.

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| <p>335 INTERNATIONAL RELATIONS MR. ROTHCHILD</p> | <p>A course in the principles of international politics, stressing such topics as the balance of power, collective security, diplomacy and nationalism. Prerequisite: A previous course in Government or European History, or special permission of the instructor.</p> |
| <p>336 INTERNATIONAL ORGANIZATION MR. ROTHCHILD</p> | <p>An examination of such international institutions as the League of Nations, the United Nations, NATO, and of the principles of international law, with special emphasis on contemporary efforts to create a world community under law. Prerequisite: A previous course in Government, or special permission of the instructor. Government 335 is a prerequisite to Government 336.</p> |
| <p>353 GOVERNMENTS OF MODERN AFRICA MR. ROTHCHILD</p> | <p>An analysis of political systems in Africa south of the Sahara Desert. Prerequisite: one year-course, or equivalent, in History or Government, or special permission of the instructor.</p> |
| <p>355 POLITICAL PARTIES INSTRUCTOR</p> | <p>A study of American political parties, with emphasis on campaigns and elections. Prerequisite: one year-course, or equivalent, in History or Government, or special permission of the instructor.</p> |
| <p>371 PUBLIC ADMINISTRATION INSTRUCTOR</p> | <p>An introduction to the operational side of government with special attention to the American national government. Prerequisite: Government 234, or special permission.</p> |
| <p>†[375] MODERN POLITICAL THEORY</p> | <p>A consideration of the principal streams of political theory in the Western world since Rousseau, with particular attention to the adaptation of traditional liberal-constitutional theory to modern conditions and to challenges from anti-democratic theories. Marx, Mill, Nietzsche, Freud, the Pluralists, Dewey, Weber, Maritain, the Existentialists and the Logical Positivists, are typical of the theorists to be selected and studied in the course. Prerequisite: one year-course or equivalent in History or Government, or Social Science 121e, 122.</p> |
| <p>[376] STATE AND LOCAL GOVERNMENT</p> | <p>An examination of the structure, development and current problems of American state and local government. Prerequisite: Government 234 or special permission of the instructor.</p> |

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| †[413] SEMINAR IN COMPARATIVE GOVERNMENT | An advanced study of selected problems in the field of comparative government, with special emphasis placed on original research by each student in the course. By permission. |
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| 434 SPECIAL TOPICS IN AMERICAN NATIONAL GOVERNMENT AND POLITICS INSTRUCTOR | A consideration of the American national government as organization and process, and of the elements of national political life. Prerequisite: Government 234 or special permission. |
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| 458 FOREIGN POLICY OF THE UNITED STATES MR. ROTHCHILD | A seminar in the problems of planning and executing American foreign policy. Prerequisite: Government 234, or equivalent; or Government 335, or equivalent; or special permission. |
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| †[478] SPECIAL PROBLEMS IN LOCAL GOVERNMENT | While the problems dealt with in this seminar will vary from year to year, the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally the constitutional society will be the point of reference, and the comparative experience of America, England and France will be emphasized; but from time to time consideration will be given to the analogous problem in the totalitarian society. Prerequisite: one year-course, or equivalent, in Government, or special permission. |

Greek

in the Department of Classics

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| 101, 102 ELEMENTARY GREEK MR. DELL AND INSTRUCTOR | Introduction to the language; reading of Attic prose. Prerequisite: none. |
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| 103, 104 HOMER AND EARLY LYRIC POETRY MR. ALLEN AND INSTRUCTOR | A reading course primarily in the Homeric poems, with some reading of the early lyric and elegiac poets. Prerequisite: Greek 101, 102. This course is a prerequisite for all Greek courses listed on page 108. |

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| 241, 242 GREEK TRAGEDY INSTRUCTOR | Selected tragedies of Aeschylus, Sophocles, and Euripides. |
| [243, 244] GREEK PHILOSOPHY AND HISTORY | Reading of one or more works of Herodotus, Thucydides, Plato, or Aristotle. The work to be read will be determined by the particular interests of the students. |
| [281a, 282a] GREEK PROSE STYLE | Exercises in Greek composition, based on reading of Greek prose. Credit: One semester-course. |

Health and Physical Education

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| 311 THE ORGANIZATION AND TEACHING OF HEALTH AND PHYSICAL EDUCATION MR. LOEBS AND STAFF | 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. |
| 312 THE ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION MR. LOEBS AND STAFF | 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. Note: Women's section of 311 and 312 will be offered in 1961-1962 but not in 1962-1963. |

History

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| SOCIAL SCIENCE 121c, 122 SOCIAL THINKERS IN THE WESTERN TRADITION | This is the beginning course in History. (See page 126 for description.) |
| 221c, 222 HISTORY OF MODERN EUROPE: THE AGE OF REASON TO THE FIRST WORLD WAR MR. BERSCHNEIDER | An analysis of the major historical developments from the 17th Century to the outbreak of the Bolshevik Revolution. Although chronological symmetry is maintained, special emphasis is given to the role of ideas as background for the ideological and political problems of today. The course is open for credit only to non-majors in History and Government. |

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- 231
 MEDIEVAL CIVILIZATION,
 476-1300
 MR. BERSCHNEIDER
- A history of Western Europe from the decline of Roman unity to the Renaissance, with emphasis on Catholic, Byzantine and Moslem influences, as a study in which characteristic Western institutions took shape in a general social advance.
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- 232
 RENAISSANCE AND REFORMATION
 1300-1648
 MR. BERSCHNEIDER
- An intellectual and cultural history of the period of transition from the medieval to the modern world.
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- 237
 THE EMERGENCE OF MODERN
 BRITAIN, 1688-1867
 MR. GILLUM
- England and her colonies during the American, French and Industrial Revolutions.
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- 238
 MODERN BRITAIN AND THE
 COMMONWEALTH OF NATIONS
 MR. GILLUM
- Modern Britain in the Age of Imperialism and the era of World Wars, from 1867 to the present. Not open to those who have received credit for the former History 353, History of the British Empire.
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- 253
 SOCIAL AND CULTURAL HISTORY
 OF ENGLAND
 MR. GILLUM
- English history, with particular attention to the social and cultural backgrounds of English intellectual and literary achievements.
- History 253 cannot be counted toward fulfillment of the major requirement in either History or Government for members of the class of 1963 and subsequent classes.
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- 261e, 262
 HISTORY OF THE ANCIENT WORLD
 MR. DELL
- An introduction to the classical world through a political and institutional analysis of ancient life. First semester: Greece; second semester: The Roman Republic and Empire.
- Prerequisite: none; open to freshmen with the permission of the instructor.
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- 281e, 282
 HISTORY OF THE UNITED STATES,
 1492 TO THE PRESENT
 MR. BRIDGMAN AND INSTRUCTOR
- United States history, from the Age of Discovery to the present day. Although chronological symmetry is maintained, a special effort is made to show the value of political, constitutional, diplomatic, social and economic interpretations.

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| <p>†[323, 324] DIPLOMATIC HISTORY, 19TH AND 20TH CENTURIES</p> | <p>A study of the modern state system and the diplomatic relations existing among the major powers. In the first semester, emphasis will be placed on the development of power politics and European hegemony in what is known as the "old diplomacy." The second semester will emphasize the development of the "new diplomacy," the waning of European hegemony and the growth of regional and world organizations.</p> <p>Prerequisite: A one-year course, or equivalent, in History or Government, or special permission of the instructor.</p> |
| <p>331 MEDIEVAL ENGLAND: THE ORIGINS OF THE COMMON LAW MR. GILLUM</p> | <p>English history, from the Saxon Conquest to 1485, as a background to the development of the principles of the Common Law. Open to sophomores by permission.</p> |
| <p>332 TUDOR-STUART ENGLAND MR. GILLUM</p> | <p>The contest of religious doctrines and the conflict of political concepts, from the Renaissance Monarchy of Henry VII to the "Glorious Revolution" of 1688. Open to sophomores by permission.</p> |
| <p>341, 342 HISTORY OF RUSSIA AND THE U.S.S.R. MR. RAYMOND</p> | <p>The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes.</p> <p>Prerequisite: one year-course, or equivalent, in History or Government or special permission of the instructor. History 341 is a prerequisite for History 342.</p> |
| <p>*353 CONTEMPORARY EUROPE, 1914 TO THE PRESENT MR. BERSCHNEIDER</p> | <p>The political, social and economic history of Europe in the Twentieth Century. Emphasis is placed on Europe as a principal scene of the conflict of contemporary revolutionary dogmas.</p> <p>Prerequisite: one year-course, or equivalent, in History or Government, or special permission.</p> |
| <p>*354 INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE MR. BERSCHNEIDER</p> | <p>A study of the principal trends and leaders of new thought (Darwin, Marx, Freud <i>et al.</i>) with emphasis on late-Nineteenth and Twentieth Century intellectual developments.</p> <p>Prerequisite: History 221e, 222 or Social Science 121e, 122, or special permission.</p> |
| <p>372 THE FRENCH REVOLUTION AND NAPOLEON MR. RAYMOND</p> | <p>An examination of European history from 1789 to 1815, with special emphasis on political and social developments in France.</p> <p>Prerequisite: one-year course, or equivalent, in History or Government, or special permission.</p> |

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| 374 MODERN GERMANY MR. GILLUM | The governmental and economic development and the international influence of Germany from Bismarck to the present time. Prerequisite: one year-course, or equivalent, in History or Government, or special permission. |
| †[391] THE WESTWARD MOVEMENT, 1763-1896 | The West from the close of the French and Indian War to the defeat of Bryan in 1896. Emphasis is placed on the West as a laboratory for political and economic experimentation. Prerequisite: History 281e, 282, or special permission. |
| †[392] CONTEMPORARY AMERICA | The political history of the United States from 1929 to the present. Prerequisite: History 281e, 282, or special permission. |
| *393 THE SOUTH IN UNITED STATES HISTORY, 1819-1896 MR. BRIDGMAN | Selected topics in the history of the South and its peculiar institutions, during a period of incomplete transition from agrarianism to industrialism. Prerequisite: History 281e, 282, or special permission. |
| *394 SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES, 1900-1929 INSTRUCTOR | Selected topics illustrating the changing social organization and cultural assumptions of Twentieth Century Americans. Prerequisite: History 281e, 282 or special permission. |
| 395 COLONIAL AMERICA MR. BRIDGMAN | Selected topics in early Colonial American history. Prerequisite: History 281e, 282 or special permission. |
| *401, 402 HISTORY SEMINAR MR. BERSCHNEIDER | Critical study and evaluation of sources and documents; methods of historical research, important historians and some problems of the philosophy of history. This course will not be given after 1961-62. Prerequisite: concentration in History; B average in History courses; may also be taken by special permission. |
| 405, 406 SEMINAR IN AMERICAN HISTORY MR. BRIDGMAN AND INSTRUCTOR | Special topics in American history. Open by permission. |

411d
TOPICS IN HISTORY
STAFF

A study of history through special topics.
Prerequisite: History major and special permission.

†432
SEMINAR IN ENGLISH HISTORY

Special topics in English History.
Prerequisite: permission of the instructor.

Humanities

divisional course

101, 102
PROBLEMS IN CREATIVE
THINKING
MR. RAYMOND AND STAFF

A course designed to stimulate students to creative thinking through the exploration of problems developed by the class. The content is divided into five units, each taken from a different field (science, the arts, philosophy, etc.) and directed by a member of the faculty in the field concerned. Students are presented with a general problem area, not with a specific problem, and they are encouraged to develop hypotheses rather than to seek the opinion of authority. Enrollment limited.

Italian

in the Department of Modern Foreign Languages

[235]
DANTE

A study of the *Divina Commedia* as the literary masterpiece of the Middle Ages. The course will draw upon the philosophy, art, and literature of the period to illustrate the meaning of this work. Lectures, reports, and discussions. Readings in English translation; no knowledge of the Italian language required.

Prerequisite: Major in a foreign language *or* in American or English Literature; *or* English 222 or subsequent course in English or American Literature with a mark of C or higher.

[236]
ITALIAN LITERATURE OF THE
RENAISSANCE

Reading and interpretation of the major literary works of the fourteenth and fifteenth centuries. The *Decamerone* of Boccaccio, the *Rime* of Petrarca, the *Orlando furioso* of Ariosto, the *Principe* of Machiavelli, the *Cortegiano* of Castiglione. Lectures, reports, and discussions. Readings in English translation; no knowledge of the Italian language required.

Prerequisite: Major in a foreign language *or* in American or English Literature; *or* English 222 or subsequent course in English or American Literature with a mark of C or higher.

Latin

in the Department of Classics

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| <p>101, 102 ELEMENTARY LATIN MR. ALLEN</p> | <p>Introduction to the language; reading of Caesar and Vergil. Prerequisite: none.</p> |
| <p>103, 104 INTERMEDIATE LATIN MESSRS. DELL AND ALLEN</p> | <p>In the first semester, a systematic review of Latin grammar and vocabulary; in the second semester, reading of prose and poetry, including a part of Vergil's <i>Aeneid</i>. The course is particularly designed for students whose study of Latin may have been interrupted for several years. Prerequisite: Latin 101, 102 or two years of high school Latin. Students offering three or four years of high school Latin may take Latin 103, 104 if they are not adequately prepared for Latin 105, 106.</p> |
| <p>105, 106 READINGS IN LATIN LITERATURE MESSRS. ALLEN AND DELL</p> | <p>Reading and discussion of a variety of Latin writers, including Vergil, Ovid, Sallust, and Livy. Prerequisite: Latin 103, 104 or four years of high school Latin. This course is a prerequisite for all Latin courses listed below.</p> |
| <p>[231] LYRIC POETRY</p> | <p>Catullus and the <i>Odes</i> of Horace.</p> |
| <p>[232] DRAMATIC POETRY</p> | <p>Comedy (Plautus and Terence) and Tragedy (Seneca).</p> |
| <p>[233] ELEGY</p> | <p>Tibullus and Propertius.</p> |
| <p>[234] RHETORIC</p> | <p>Orations of Cicero and the <i>Institutes</i> of Quintilian.</p> |
| <p>[235] SATIRE</p> | <p>The <i>Satires</i> and <i>Epistles</i> of Horace and later Latin satirical prose and poetry.</p> |
| <p>[236] LATER LATIN PROSE</p> | <p>Tacitus and other prose writers of the Empire.</p> |
| <p>237 PHILOSOPHICAL POETRY: LUCRETIUS MR. ALLEN</p> | <p>The <i>De Rerum Natura</i> of Lucretius.</p> |

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| [238] PHILOSOPHICAL PROSE | Selections from the philosophical works of Cicero and Seneca, and from the <i>Confessions</i> of St. Augustine. |
| [251] VERGIL | Books VII-XII of the <i>Aeneid</i> . |
| 252 CAESAR AND CICERO MR. DELL | The political careers of Caesar and Cicero and the relations between them studied in their writings. |
| [282a] LATIN PROSE STYLE | Exercises in Latin composition, based on reading of Latin prose. |
| 321, 322 INDEPENDENT READING IN LATIN MR. ALLEN | Reading in a field of the student's interest, with essays and conferences. |

Mathematics

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| 123, 124 ELEMENTARY FUNCTIONS STAFF | College algebra, plane trigonometry, plane analytic geometry, and introduction to calculus. Prerequisite: three years of college preparatory Mathematics; 123 is prerequisite for 124. |
| [125, 126] ELEMENTARY ANALYSIS | Plane analytic geometry, elementary differential and integral calculus. This course is a substitute for 123, 124, 221, 222. Prerequisite: three years of college preparatory Mathematics; 125 is prerequisite for 126. Limited to students selected by the department. |
| 221, 222 ELEMENTARY DIFFERENTIAL AND INTEGRAL CALCULUS MRS. ZUKOWSKI AND MR. WHEELER | 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. |
| †[241, 242] ELEMENTARY STATISTICS | Descriptive statistics; probability; the binomial, Poisson, and normal distributions; sample theory; confidence intervals; regression; correlation; statistical design. This course is not open to mathematics majors. |

Prerequisite: Mathematics 123, 124; 241 is prerequisite for 242.

*243, 244

FINITE MATHEMATICS
MRS. ZUKOWSKI

Selected topics from modern mathematics useful in the biological and social sciences; including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Note that statistics is not treated, but is offered in two other courses. This course is not open to mathematics majors.

Prerequisite: Mathematics 123, 124; 243 is prerequisite for 244.

321, 322

DIFFERENTIAL EQUATIONS AND
INTRODUCTORY APPLIED
MATHEMATICS
MR. JUNGHANS

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.

*341, 342

GEOMETRY
MRS. ZUKOWSKI

Analytic geometry of two and three dimensions; projective geometry.

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

†[361, 362]

HIGHER ALGEBRA

Topics from the theory of equations, and an introduction to modern algebra.

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

†[381, 382]

INTRODUCTION TO
MATHEMATICAL STATISTICS

Elementary probability theory; large-sample theory; small-sample theory; maximum likelihood estimates; confidence intervals; regression; correlation; statistical design.

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

421, 422

ADVANCED CALCULUS
MR. COMBELLACK

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, special definite and improper integrals, Beta Function, Gamma Function, complex variable, and elliptic functions and integrals.

Prerequisite: Mathematics 321; 421 is prerequisite for 422.

[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, calculus of finite differences.

Prerequisite: Mathematics 321, 322 and special permission.

Music

101, 102
SURVEY OF MUSIC
STAFF

A course intended for the greater understanding and enjoyment of music. Emphasis on the musical style and historical background of various important periods such as the Baroque and the Romantic. Illustration and discussion of instrumental and vocal works. Reading and listening assignments.

103, 104
HISTORY OF MUSIC
STAFF

A study of the history of music from early civilization to the present. Correlation of the art of music with the history, literature and art of particularly significant periods. Reading and listening assignments.

111
THEORY AND PRACTICE OF MUSIC
MR. COMPARETTI

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

Limited to ten students.

112
HARMONY
MR. RE

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]
ADVANCED COUNTERPOINT

Continuation of 211 with emphasis on original application of contrapuntal principles. Composition of inventions, fugues and other forms.

Prerequisite: Music 111, 112, 211.

301, 302
THE VIENNESE CLASSICISTS
MR. COMPARETTI

Emphasis on the instrumental works of Haydn, Mozart, Beethoven and Schubert. Study of form, reading of scores, harmonic analyses and some conducting techniques.

Prerequisite: Music 101, 102, or 103, 104; Music 111, 112.

[305, 306]
OPERA AND ORATORIO

The history and development of opera and oratorio. Detailed study of famous representative works and techniques.

Prerequisite: Music 101, 102 or 103, 104; Music 111, 112.

312
CONTEMPORARY MUSIC
MR. RE

Study of trends in the art of music following the period of Wagner and the late romanticists. Consideration of varied techniques of twentieth century composers.

Prerequisite: Music 101, 102 or 103, 104; Music 111, 112.

APPLIED MUSIC

Private lessons in voice, piano, organ, violin, viola, violoncello and bass viol are available at additional cost. To fulfill credit requirements, students must have a one hour 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 interested in piano are referred to Mr. Comparetti or Mr. Fiedler; in organ to Mr. John E. Fay; in voice to Mr. Roger Nye or Mrs. Freda Gray-Masse; in stringed instruments to Mrs. William Fiedler, Mr. Max Cimbollek or Mrs. Robert Reuman.

For participation in the College Glee Club, the Symphony Orchestra and 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.

Philosophy

112
INTRODUCTION TO WESTERN
PHILOSOPHY
MR. TODRANK AND STAFF

Some of the great ideas of Western Philosophy and their bearing on the questions of contemporary thought. This course is a suitable sequel to Religion 111, Introduction to Western Religion.

Prerequisite: standing not higher than sophomore.

211
MORAL PHILOSOPHY
MR. REUMAN AND STAFF

(a) Introductory study of the bases of judgment on questions of good and bad, right and wrong. (b) The application of ethical principles to questions of political obligation and social value.

212
CRITICAL THINKING
MR. REUMAN AND STAFF

Basic principles of Logic, deductive and inductive, with emphasis on problems of application in the fields of social thought and ethical judgment.

311
PRESENT CONFLICTS IN POLITICAL
PHILOSOPHY
MR. REUMAN

The philosophies of Communism, Fascism, and the leading current movements in Democratic social thought. Prominent philosophers from Hobbes to the present who have contributed to these movements. Special emphasis on the systematic structure of the philosophies of the men studied, and on the relation of their ideas to present political and social problems.

Prerequisite: two semester courses in the department or special permission.

[312]
ETHICAL ISSUES IN THE MODERN
WORLD

An attempt to discover and clarify the basic ethical issues behind some current controversies such as those concerning individualism, conformity and equality; the "organization man"; sexual morality, the family and divorce; discriminatory social practices; the ethics of labor-employer relations, of communications and the press; the ethics of representative politics, of military action and non-violence, of business and the professions, etc. Members of several departments in the Division of Social Science will be consulted for special knowledge bearing on those issues which are chosen for particular study.

Prerequisite: at least one semester course in each of three different departments in the Division of Social Science.

314
AESTHETICS
INSTRUCTOR

A study of some of the problems that arise in analyses and criticisms of literature and the fine arts. Problems such as the relationship between form and content in art, creation, communication, expression, the aesthetic experience, and meaning, truth and value in the arts are introduced in the investigation of important contemporary theories of art.

Prerequisite: One semester course in the department or special permission (for majors in literature or the fine arts).

†[315]
TYPES OF PHILOSOPHY

A comparative study of the more important types of metaphysical systems, such as: Naturalism, Idealism, Personalism; Realistic Dualism.

Prerequisite: two semester courses in Philosophy or special permission.

316
ETHICS AND GENERAL THEORY
OF VALUE
MR. REUMAN

A systematic study of the basis of judgment on questions of right and wrong; and of the way in which several of the arts and sciences may each make its contribution to the understanding of such questions.

Prerequisite: two semester courses in the department or special permission.

†[317]
PHILOSOPHY AND MODERN
SCIENTIFIC THOUGHT

The philosophical implications of modern science: the theory of evolution in Biology and Geology, and the findings of recent Physics. The relationship between science and Western art and ethics. The relationship between science and religion.

Prerequisite: two semester courses in the department or special permission.

331
HISTORY OF ANCIENT
PHILOSOPHY
INSTRUCTOR

Comparative study of the two great philosophical systems of ancient Athens, those of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, and Epicurus.

332
HISTORY OF MODERN
PHILOSOPHY
MR. REUMAN

A study of European philosophy from Descartes to the nineteenth century with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant.

†[351]
AMERICAN THOUGHT

A study of American philosophical thought from Jonathan Edwards to John Dewey, with particular attention to the American Enlightenment, to Pragmatism, and to American Idealism. Readings from representative thinkers, including Edwards, Woolman, Jefferson, Paine, Emerson, Pierce, Royce, James, Bowne, Santayana, and Dewey.

Prerequisite: Two semester courses in Philosophy.

353
CONTEMPORARY PHILOSOPHY
INSTRUCTOR

The major movements in philosophy since 1900.

Prerequisite: Philosophy 332, or the consent of the instructor.

†[354]
HISTORY OF MEDIEVAL
PHILOSOPHY

From Augustine to William of Ockham with preliminary consideration of Neo-Platonism. A study of the interaction between philosophy and Christian theology in medieval Europe; the scholastics and the issues to which they addressed themselves.

Prerequisite: Philosophy 331, or permission of the instructor.

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| 355 INDIAN THOUGHT I INSTRUCTOR | Central figures in Indian Philosophical thought. Prerequisite: two semester courses in the department, or special permission. |
| 356 INDIAN THOUGHT II INSTRUCTOR | Indian social and religious leaders. Prerequisite: Religion 311, Philosophy 355, or special permission. |
| 357 SYMBOLIC AND FORMAL LOGIC INSTRUCTOR | Principles of Semantics. Formal Logic systematically studied. A brief introduction to the logic of probabilities. Prerequisite: Philosophy 212. |
| 372 PHILOSOPHY OF RELIGION MR. TODRANK | A systematic study of the basic postulates of religion, including a search for an adequate scheme of verification, an analysis of the empirical evidence and the hypotheses which seem to result therefrom, and the relevance of the conclusions for daily life. Prerequisite: one semester course in religion, preferably Religion 311, and one course in philosophy, or the consent of the instructor. |
| 381, 382 PHILOSOPHY SEMINAR STAFF | 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. |

Physics

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| 141, 142 GENERAL PHYSICS MR. BANCROFT | An introductory course in basic physics open to all students. The course is quantitative in nature, and stresses the interpretation of physical problems in graphical and analytical terms. A grade of C or better in this course is prerequisite for all further work in the department. Three lectures and one three-hour laboratory weekly. Prerequisite: Mathematics 123, 124 or 125, 126, or equivalent, (either passed or taken concurrently). |
| 211 CLASSICAL MECHANICS MR. FAIRLEY | An introduction to analytical mechanics. Extensive use is made of vector analysis and of the calculus. Insofar as is practicable, the laboratory work is focussed on the material developed in the classroom. |

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 142, and Mathematics 221 (either passed or taken concurrently.)

212

THERMODYNAMICS AND KINETIC THEORY

MR. BEATTY

The two basic laws of thermodynamics are developed, and their applications to ideal gases and to systems of a single component are considered in detail. This kinetic theory of gases, including transport phenomena, is studied, with some reference to the methods of statistical mechanics.

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 142, and Mathematics 221, 222 (either passed or taken concurrently).

301, 302

ELECTRICITY AND MAGNETISM

MR. BANCROFT

An introduction to electromagnetic theory, and to the theory and practice of electrical measurements. Classical problems in electrostatics and magnetostatics are considered. Electrodynamical phenomena are analyzed, and Maxwell's Equations are discussed in their vector form. Much of the laboratory work centers around direct and alternating current components and networks, with particular reference to bridge measurements. Some material on electronics is normally included.

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 211, Mathematics 321, 322 (either passed or taken concurrently), or consent of the department.

†[421, 422]

OPTICS AND ATOMIC SPECTRA

A study of light and of the structure of the atom as revealed by the spectroscope. First order theory of geometrical optics is covered in some detail. This is followed by a consideration of physical optics, including such matters as interference, diffraction, resolution, and measurement of wavelength. The spectrum of the "one-electron atom" is considered in detail. More advanced spectroscopic problems and the structure of the atom will be discussed as the interests of the class may dictate.

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 142, and Mathematics 221, 222 (either passed or taken concurrently).

*441, 442

ATOMIC AND NUCLEAR PHYSICS

MR. BEATTY

A study of the experimental discoveries of physics in the twentieth century and of the genesis and applications of new theories that have developed concurrently. The work will include an introduction to the fundamentals of nuclear physics, radioactivity, and recent developments in these fields.

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 142, Mathematics 221, 222 (either passed or taken concurrently) and permission of the department

461, 462
ADVANCED PHYSICS
STAFF

Topics selected to meet the needs of the individual student. Suggested fields are introductory theoretical physics, or special experimental problems, or both.

Prerequisites: Junior standing at least, and permission of the department.

Portuguese

in the Department of Modern Foreign Languages

*211
ELEMENTARY PORTUGUESE
MR. HOLLAND

An introduction to the language through the medium of Spanish. Course designed to develop in one semester a working knowledge of the written and spoken language of Brazil.

Prerequisite: Spanish 103, 104.

*212
LITERATURE IN PORTUGUESE
MR. HOLLAND

A study of some of the masterpieces of Portuguese and Brazilian literature, with special emphasis on the *Lusiads* of Camoes.

Prerequisite: Portuguese 211.

Psychology

221c, 222
GENERAL PSYCHOLOGY
MR. GILLESPIE AND MR. FOZARD

An introduction to the major topics and methods of psychological investigation. The first semester considers both animal and human behavior, including sensory processes, learning, motivation, and perception. The second semester deals more exclusively with human psychology, emphasizing problems of individual adjustment and social psychology.

Prerequisite for Psychology 222: Psychology 221c or Air Science 321 or senior standing.

*224d
PSYCHOLOGICAL STATISTICS
MR. GILLESPIE

An introduction to psychological measurement and experimental design, with application to various areas of psychology. Primary stress is on the development of an understanding of the fundamentals of statistics.

Required of majors, this course must be taken in the sophomore year, concurrently with Psychology 221c or 222. In the academic year 1962-1963, this course will be replaced in the

Psychology program by Mathematics 241; only *one* of these two courses may be taken for credit.

Prerequisite: None.

313

PERSONALITY AND SOCIAL
PSYCHOLOGY

MR. GILLESPIE

The systematic study of the normal personality in the institutional context of the social system.

Prerequisite: Two semester courses in Psychology.

314

DEVELOPMENTAL PSYCHOLOGY

MR. SMITH

A study of the life continuum from infancy to old age, with special attention given to childhood and the adolescent years.

Prerequisite: Psychology 313.

353

PSYCHOLOGICAL MEASUREMENT

MR. PEREZ

A survey of problems and methods involved in the measurement of abilities, attitudes, and personality. Representative instruments from various areas will be examined in detail.

Prerequisite: Psychology 221 and Psychology 224 or Mathematics 241.

354

ABNORMAL PSYCHOLOGY

MR. PEREZ

An introduction, with special emphasis on the dynamics of the neurotic and psychotic personalities.

Prerequisite: Psychology 353.

371

EXPERIMENTAL PSYCHOLOGY

MR. FOZARD

The course implements the view that experimental methods may be fruitfully applied to the subject matter of psychology as a whole. The planning, execution, and interpretation of research in psychology is discussed, with an emphasis on the relation of experimental design to interpretation of results. Laboratory work emphasizes student-initiated research.

Prerequisite: Psychology 221 and Psychology 224 or Mathematics 241.

*374

LEARNING

MR. FOZARD

Animal and human learning research is surveyed from the point of view of its contribution to systematic interpretations of learning. Opportunity is provided for student-initiated research.

Prerequisite: Psychology 371.

†[376]

PERCEPTION

Perception is studied in relation to both laboratory studies and concepts of personality. Opportunity is provided for student-initiated research.

Prerequisite: Psychology 371.

394

PHYSIOLOGICAL PSYCHOLOGY

MR. PEREZ

A study of the relationships between bodily processes and behavior. This includes the basic anatomy of the central and peripheral nervous systems, structure and functions of the

receptor mechanisms, and the relationship between endocrine functions and behavior.

Prerequisite: Psychology 221 and Psychology 224 or Mathematics 241, Biology 101, 102.

†[412]
SYMBOLIC PROCESSES

Methods and concepts in the psychological study of thought and language; examination of clinical and experimental procedures representative of recent research in verbal behavior, concept-formation, and imaginative thought.

Prerequisite: Psychology 371.

43¹
INTRODUCTION TO CLINICAL
PSYCHOLOGY
MR. PEREZ

Consideration of various psychological techniques and of the psychologist's role in the furtherance of mental adjustment.

Prerequisite: Psychology 354 or permission of the instructor.

45¹
HISTORY AND SYSTEMS OF
PSYCHOLOGY
MR. JOHNSON

The historical development of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis.

Prerequisite: Three semester courses in psychology.

491d
SPECIAL TOPICS
STAFF

Individual projects, under the guidance of a member of the department, in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor.

Religion

in the Department of Philosophy and Religion

111
INTRODUCTION TO WESTERN
RELIGION
MR. OSBORNE AND MR. TODRANK

The development of the Judeo-Christian tradition; its origins and growth, and its influence on Western culture in several of its aspects. This course provides a suitable background for Philosophy 112, Introduction to Western Philosophy.

Prerequisite: standing not higher than sophomore.

213
THE BIBLE: OLD TESTAMENT
MR. TODRANK

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.

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| 214 THE BIBLE: NEW TESTAMENT MR. TODRANK | 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: Religion 213. |
| 311d GREAT RELIGIONS OF THE WORLD MR. OSBORNE | An account of the origins and chief characteristics of Hinduism, Buddhism, Taoism, Confucianism, Zoroastrianism, Judaism, Early Christianity and Islam. |
| *312 RELIGION IN AMERICAN LIFE MR. OSBORNE | The role of religion in American culture, with particular attention to the characteristics of Judaism, Roman Catholicism, Protestantism and the Orthodox Churches. Prerequisite: Religion 111 or Religion 311 or special permission. |
| 381, 382 RELIGION SEMINAR STAFF | 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: the equivalent of two year-courses in Religion. |

Russian

in the Department of Modern Foreign Languages

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| 101, 102 ELEMENTARY RUSSIAN MR. KEMPERS | Introduction to the language. Modified audio-lingual approach. Conversation, grammar, composition, vocabulary building, reading. Hearing and practicing materials recorded on master tapes. One hour per week of conversational laboratory. |
| 103, 104 INTERMEDIATE RUSSIAN MR. KEMPERS | Intensive and extensive reading of selections from Russian Literature. A review, with written exercises, of the fundamentals of grammar and syntax. Conversation. Systematic study of vocabulary and idioms. Prerequisite: Russian 101, 102 or two years of high school Russian. |
| 105, 106 INTRODUCTION TO RUSSIAN LITERATURE MR. KEMPERS | Study and interpretation of significant works, selected chiefly from Russian Literature of the nineteenth century; pertinent readings in the field of intellectual thought. Class discussion, translation, conversation, composition. Prerequisite: Russian 103, 104 or three years of high school Russian. |

Social Science

divisional courses

121C, 122

SOCIAL THINKERS IN THE
WESTERN TRADITION

MR. RAYMOND AND STAFF

Selected writings of some of the great social thinkers in the Western tradition are studied in this course, which is taught cooperatively by faculty members from departments within the division of social sciences. The class meets together once a week for a lecture, followed by two weekly meetings in small discussion sections. The social thinkers studied in 1960-61 were Plato, Aristotle, St. Thomas Aquinas, John Calvin, Hobbes, John Locke, Rousseau, John Stuart Mill, Karl Marx, and Lenin.

Special sections of this course are arranged for students intending to major in History or in Government.

Sociology

221C, 222

PRINCIPLES OF SOCIOLOGY
STAFF

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. Course 221 is prerequisite for 222.

*311

NORMATIVE SOCIAL THEORY
MR. BIRGE

A study of normative social theory with special emphasis upon such works as Plato's *Republic*, Owen's *A New View of Society*, and Bellamy's *Looking Backward*.

Prerequisite: Sociology 221, 222.

*312

HISTORY OF SOCIOLOGICAL
THEORY

MR. BIRGE

A survey of the history of Sociology, and a critical examination of the systems of thought about society and human nature. The place of theory in social research will be emphasized.

Prerequisite: Sociology 221, 222.

331

INTRODUCTION TO SOCIAL WORK
INSTRUCTOR

This course will focus on the nature of social work, including some considerations of the history of social work. It is designed to acquaint the student with the various types of social work now practiced. A brief consideration will be given to a few of the modern techniques of social work. There will be at least three required field trips, taking place during October and/or Novem-

ber. This course cannot be used to fulfill the requirements for the major.

Prerequisite: Sociology 221, 222.

†[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.

†[351]
RACE AND MINORITIES

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

Prerequisite: Sociology 221, 222.

†[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.

Prerequisite: Sociology 221, 222.

†[353]
COMPARATIVE SOCIAL SYSTEMS

A comparative study of several contemporary societies, including both "advanced" and "backward" countries. Western countries will be compared to such Eastern societies as China and India.

Prerequisite: Sociology 221, 222.

*361, 362
CULTURAL ANTHROPOLOGY
MR. BIRGE

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.

*371
SOCIAL STRATIFICATION
INSTRUCTOR

An analysis of the nature of social classes, the relationship of classes to their societal environment, and the influence of stratification upon behavior. Theories of stratification and evidence for them will be emphasized.

Prerequisite: Sociology 221, 222.

372
THE FAMILY
INSTRUCTOR

An historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture.

Prerequisite: Sociology 221, 222.

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| †[391] COLLECTIVE BEHAVIOR | A social analysis of phenomena of collective behavior – crowds, public opinion, propaganda, and communication – and the forces which mold each. Special attention is given to the major mass media and their function in modern society. Prerequisite: Sociology 221, 222. |
| 392 SOCIAL CHANGE INSTRUCTOR | Although an historical approach will be used at times, this course will be primarily theoretical in nature. It will attempt a study of the mechanisms, functions and the consequences of social change. Particular attention will be directed to the relevance of social change for the social order. Prerequisite: Sociology 221, 222. |
| 401, 402 SOCIOLOGY SEMINAR MR. ROSENTHAL | A seminar on the major problems of Sociology as a science. Much of the work will be devoted to individual projects. Prerequisite: Senior standing, and permission of the instructor. |

Spanish

in the Department of Modern Foreign Languages

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| 101, 102 ELEMENTARY SPANISH MR. CAUZ AND STAFF | Introduction to the language. Modified audio-lingual approach. Conversation, grammar, composition, vocabulary building, reading. Hearing and practicing materials recorded on master tapes. One hour per week of conversational laboratory. |
| 103, 104 INTERMEDIATE SPANISH MISS BRADY AND STAFF | Intensive and extensive reading of modern prose and poetry. A review, with written exercises, of the fundamentals of grammar and syntax. Conversation. Systematic study of vocabulary and idioms. Prerequisite: Spanish 101, 102 or two years of high school Spanish. This course is not open to students who receive a mark of B or higher in Spanish 101, 102. |
| 105, 106 INTRODUCTION TO SPANISH LITERATURE MR. HOLLAND AND STAFF | A study of masterpieces of Spanish Literature from the Middle Ages through the contemporary period. Development of critical and analytical ability. Class discussion, translation, composition, collateral reading. Hearing and practicing materials recorded on master tape. One hour per week of conversational laboratory, with emphasis on pronunciation, intonation, and comprehen- |

sion and use of the spoken language. Conducted chiefly in Spanish.

Prerequisite: Spanish 101, 102 with a grade of A or B, or Spanish 103, 104. Open to freshmen with three years of high school Spanish, and to those with two years of preparation whose achievement, as indicated by the placement test, is superior.

221, 222

HISPANIC-AMERICAN LITERATURE
MR. HOLLAND

The development of Hispanic Literature and civilization in the New World from the period of colonization through the contemporary period. Conducted chiefly in Spanish.

Prerequisite: Spanish 105, 106.

301a, 302a

TEACHING OF SPANISH IN THE
ELEMENTARY SCHOOL
MR. HOLLAND

Problems and methods of teaching Spanish in the elementary school, with emphasis on the MLA FLES program. One hour of instruction per week at Colby and three periods of teaching per week in the public school system throughout the school year. This course, approved by the State Board of Education, when coupled with the Maine Professional Secondary Certificate, will prepare and authorize the student to teach Spanish in the elementary school. Conducted in English. Credit: One semester-course.

Prerequisite: Spanish 221, 222 and permission of the instructor.

35¹

THE THEATER OF THE GOLDEN
AGE
MISS BRADY

Reading and study of the theater of the Golden Age, with emphasis on Lope de Vega, Tirso de Molina, Ruiz de Alarcón, and Calderón de la Barca. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

35²

THE NOVEL OF THE GOLDEN AGE
MISS BRADY

Reading, analysis, and discussion of the novel of the Golden Age, with particular attention to the picaresque novel, and to the *Novelas Ejemplares* and *Don Quixote* of Cervantes. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

†[355]

SPANISH DRAMA AND POETRY OF
THE 19TH CENTURY

A survey of Spanish poetry and drama in the nineteenth century, with emphasis on the more important romantic and realistic dramatists and poets. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

†[356]

THE SPANISH NOVEL OF
THE 19TH
CENTURY

The development of the regional and realistic novel of the nineteenth century, studied through the works of Fernán Caballero, Alarcón, Valera, and Pereda, with particular attention to the works of Pérez Galdós. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

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| <p>*357 THE GENERATION OF 1898 MR. CAUZ</p> | <p>A study of the more important members of the Generation of 1898, with emphasis on Unamuno, Azorin, Baroja, Valle-Inclán, and Machado. Conducted chiefly in Spanish. Prerequisite: Spanish 221, 222.</p> |
| <p>*358 SPANISH LITERATURE OF THE TWENTIETH CENTURY MR. CAUZ</p> | <p>Outstanding prose and poetic works of the contemporary period, with emphasis on living authors. Conducted chiefly in Spanish. Prerequisite: Spanish 221, 222.</p> |
| <p>461, 462 SPANISH SEMINAR STAFF</p> | <p>Work of a more individual and original nature for advanced students. Assigned readings, investigation of special subjects, written and oral reports, examinations. Prerequisite: Spanish 351, 352 or 355, 356 or 357, 358.</p> |

Preparation for Graduate and Professional Schools

The Dean of the Faculty is general adviser on matters related to graduate study, and information on graduate programs is available to interested students in his office. He works closely with department chairmen and major advisers, and with members of the faculty committees on graduate scholarships and professional preparation, to inform upperclassmen of opportunities for fellowships and scholarships in graduate schools. It is from this office that students may obtain information on graduate and professional school admissions tests which are offered at certain times each year for prospective applicants to graduate schools of arts and sciences, law, medicine, and business administration.

or the doctorate in such areas as history, classics, English, economics, modern languages, sociology, psychology, philosophy, or the natural sciences. Such study may lead to a career in college teaching and research or to other types of professional careers. Interested students should confer with the chairmen of their major departments, their major advisers, and the Dean of the Faculty. Seniors having such intentions will be advised to take the Graduate Record Examination.

LAW AND GOVERNMENT
SERVICE

The Faculty Committee on Professional Preparation for Law and Government Service advises students preparing for careers in these areas. The pre-law student may major in almost any field, but the student who has a specific goal in mind would profit from early consultation with members of the committee. The Law School Admission Test is given at the college at an appropriate time each year.

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 with different dental schools.

The Pre-Medical Preparation Committee is advisory to candidates for dentistry as well as to those for medicine. The Dental Aptitude Testing Program is not administered at Colby.

MEDICINE

Medical schools do not require a particular major but do require high standing and the inclusion of biology, chemistry, physics, mathematics, English, and foreign languages in the student's college program.

The Faculty Committee on Professional Preparation for Medicine, which should be consulted by the student early in his freshman year, will strongly advise that mathematics be pursued at least through the first year of calculus. Organic chemistry as well as general chemistry is usually required.

The Medical College Admission Test is usually taken in the spring of the student's junior year.

ENGINEERING

While at Colby the engineering student must attain mastery of the necessary mathematics and science to support him in the

intensive study of engineering which will follow. In his Colby program, however, he is assured a broad grounding in the humanities and social sciences as well.

The Faculty Committee on Professional Preparation for Engineering serves as adviser to students intending to enter graduate schools of engineering.

THEOLOGY

Colby has a long tradition of preparing graduates for the ministry. There are representatives of Colby alumni among the clergy of many denominations, and over the years a considerable number have entered into missionary work.

The Theological Preparation Committee of the faculty, in cooperation with the College Chaplain, serves as adviser to students who plan to enter seminaries.

SECONDARY SCHOOL TEACHING

Colby offers no major in education, but does offer courses to enable prospective teachers to qualify for the Two-Year Provisional Grade B or the Five-Year Provisional Grade A Secondary Certificate from the Maine State Department of Education. The major subject must be one ordinarily taught in high schools.

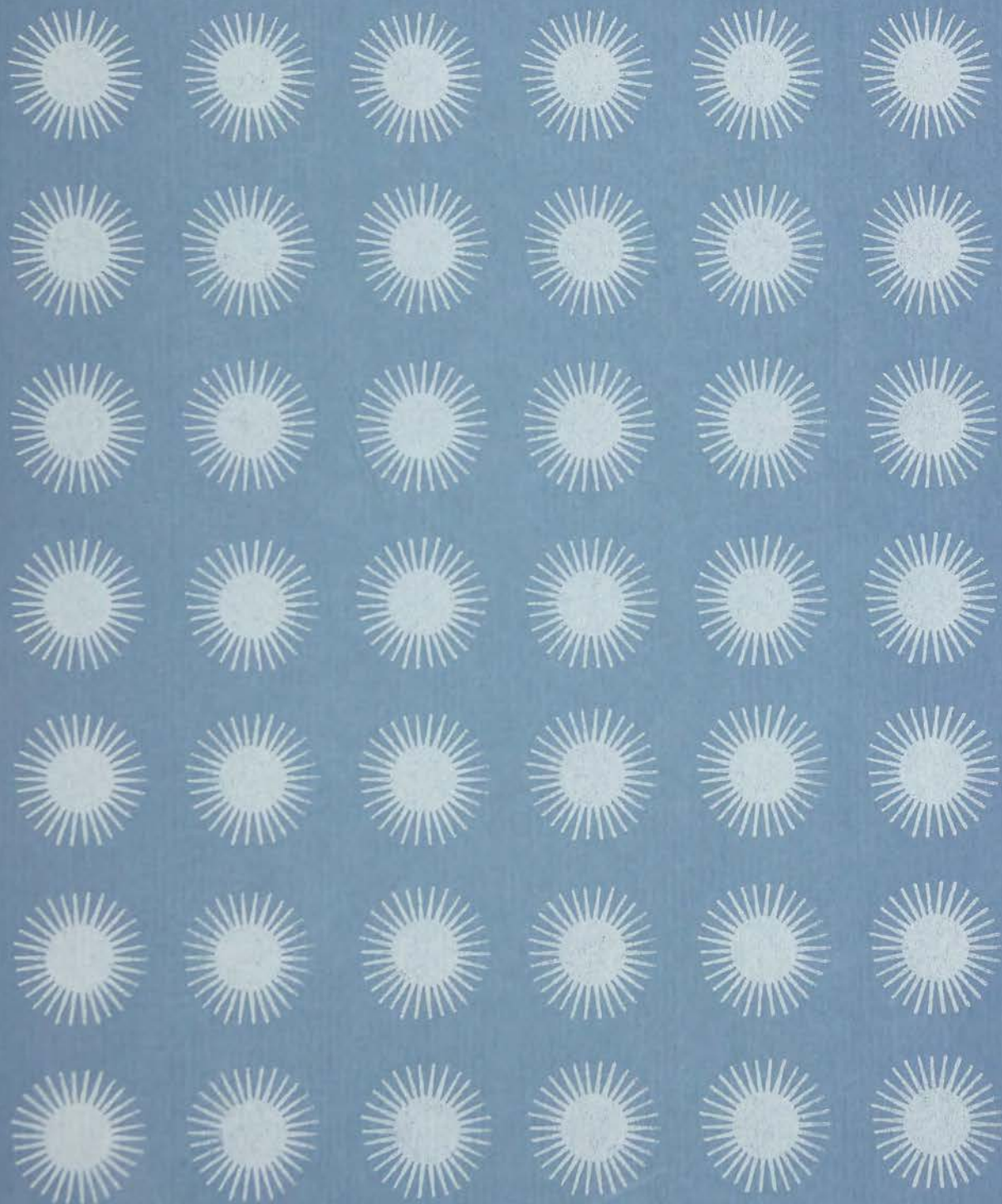
Because of the variation in the certification requirements of different states a student who wishes to teach in a state other than Maine should obtain information from the appropriate department of education.

More and more students planning to teach in high schools are now thinking in terms of a fifth year of preparation at the university level. Many Colby students have participated in such fifth-year programs. Financial assistance is available to qualified students at many universities.

The Secondary School Teaching Committee of the faculty serves as adviser to students who are interested in a program leading to teaching at this level.

BUSINESS ADMINISTRATION

The training for positions in business and industry which is offered by such institutions as the graduate schools of business administration at Harvard, Chicago, and Cornell, 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. The Department of Business Administration serves as general adviser for graduate work of this sort. Seniors who have such a program in mind are encouraged to take the Admission Test for Graduate Study in Business.



The Corporation

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| (AL. 1962) | DANIEL RAY HOLT, B.A. | <i>Everett, Massachusetts</i> |
| (1964) | RUTH RICH HUTCHINS (MRS.), B.A. | <i>Bangor, Maine</i> |
| (1965) | ELLERTON MARCEL JETTE, LL.D. | <i>Waterville, Maine</i> |
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| (1965) | NEIL LEONARD, LL.B. | <i>Boston, Massachusetts</i> |
| (1963) | LEONARD WITHINGTON MAYO, S.SC.D. | <i>New York, New York</i> |
| (1961) | ALBERT CARLTON PALMER, B.A. | <i>Stoneham, Massachusetts</i> |
| (1962) | WILSON COLLINS PIPER, LL.B. | <i>Boston, Massachusetts</i> |
| (1966) | WILLIAM GURDON SALTONSTALL, M.A., L.H.D., LITT.D., LL.D. | <i>Exeter, New Hampshire</i> |
| (AL. 1961) | DWIGHT EMERSON SARGENT, M.A. | <i>New York, New York</i> |
| (AL. 1963) | MARK RICHARD SHIBLES, M.ED., D.S.ED., L.H.D. | <i>Orono, Maine</i> |
| (1964) | RAYMOND PATON SLOAN, L.H.D. | <i>New York, New York</i> |
| (AL. 1961) | JOSEPH COBURN SMITH, M.S. | <i>New York, New York</i> |
| | REGINALD HOUGHTON STURTEVANT, B.A. | <i>Livermore Falls, Maine</i> |
| (1962) | HARRY BURNHAM THOMAS, B.A. | <i>Keyport, New Jersey</i> |
| (AL. 1962) | BARBARA LIBBY TOZIER (MRS.), B.A. | <i>Portland, Maine</i> |
| (1961) | ESTHER ZISKIND WELTMAN (MRS.), M.ED. | <i>Longmeadow, Massachusetts</i> |
| (1966) | JEAN GANNETT WILLIAMS (MRS.), H.H.D., L.H.D. | <i>Portland, Maine</i> |

FACULTY REPRESENTATIVES

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| (1961) | WILFRED JAMES COMBELLACK, PH.D. | <i>China, Maine</i> |
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- WEBSTER CHESTER, M.A., SC.D., *Professor-Emeritus of Biology*
- EDWARD JOSEPH COLGAN, M.A., SC.D.
Professor-Emeritus of Education and Psychology
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ACTIVE FACULTY

The Active Faculty is arranged alphabetically in rank. In parentheses are listed colleges from which earned degrees have been received.

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Professor of Economics
- JAMES MORTON CARPENTER, PH.D. (Harvard)
Professor of Fine Arts
- ALFRED KING CHAPMAN, M.A. (Colby, Harvard)
Roberts Professor of English Literature
- JOHN ALDEN CLARK, PH.D. (Amherst, Harvard)
Professor of Philosophy

¹ Deceased, December 17, 1960.

² Deceased, May 7, 1960.

WILFRED JAMES COMBELLACK, PH.D. (Colby, Boston University)
Professor of Mathematics

ERMANNO FRANCIS COMPARETTI, PH.D. (Cornell)
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ERNEST PARKER JOHNSON, PH.D. (Springfield, Brown)
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Associate Professor of Modern Languages

¹ On leave, first semester, 1960-61.

² On leave, 1960-61.

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Director of Roberts Union.*
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¹ On leave, 1960-61.

HENRY OTTO SCHMIDT, M.A. (Ursinus, Pennsylvania)
Assistant Professor of Modern Languages

JOHN BOONE SIMPSON, M.ED. (Boston University)
Assistant Professor of Health and Physical Education

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 (Major, USAF) , *Assistant Professor of Air Science*

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GUSTAVE HERMAN TODRANK, PH.D. (De Pauw, Boston University)
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Assistant Professor of Health and Physical Education

FLOYD CELAND WITHAM,² M.A. (Colby, Stanford)
Assistant Professor of Speech in the Department of English

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Assistant Professor of English

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 Hamburg) *Visiting Lecturer in Music*

WILLIAM MAX FIEDLER (Hoch Music Conservatory, New England
 Conservatory) , *Visiting Lecturer in Music*

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 Institute of Technology) , *Instructor in Physics*

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Instructor in Economics

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 Illinois) , *Instructor in Chemistry*

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HARRY JAMES DELL, M.A. (Wesleyan, Wisconsin)
Instructor in Classics

YVONNE RICHMOND FISHER (MRS.) , M.B.A. (Colby, Cornell)
Instructor in Business Administration

¹ On leave, first semester, 1960-61.

² On leave, 1960-61.

³ First semester, 1960-61.

JAMES LEONARD FOZARD, M.A. (University of California, San Diego)
Instructor in Psychology

ARRA M. GARAB, M.A. (Swarthmore, Columbia)
Instructor in English

HENRY ALBERT GEMERY, M.B.A. (Southern Connecticut, Harvard)
*Instructor in Social Science*¹

FAITH GULICK, M.A. (Connecticut College, Mills)
Instructor in the Dance in the Department of Health and Physical Education

YEAGER HUDSON, S.T.B. (Millsaps, Boston University)
Instructor in Philosophy

EARL AUSTIN JUNGHANS, M.S. (U.S. Naval Academy, Purdue)
Instructor in Mathematics

DANIEL FRANK KIRK, PH.D. (Western Reserve, Florida)
Instructor in English

JAMES MALLORY MADISON, M.B.A. (Northwestern, Harvard)
Instructor in Business Administration

JANIS LOUISE PALLISTER, M.A. (Minnesota, Wisconsin)
Instructor in Modern Languages

HAROLD RICHARD PESTANA, M.A. (California)
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Instructor in English

JEROME PAUL SCHILLER, PH.D. (Swarthmore, Harvard)
Instructor in Philosophy

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Instructor in Modern Languages

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Instructor in Chemistry

NORMAN EDWARD WHEELER, M.A. (Ohio State)
Instructor in Mathematics

ASSISTANTS MURIEL BRIGGS AUSTIN (MRS.), B.A. (Colby)
Assistant in Geology

JULIA WINIFRED KIERSTEAD (MRS.), B.A. (Maine)
Special Assistant for Developmental Reading

ELIZABETH CHALMERS TODRANK (MRS.), M.ED. (Wellesley, Boston University), *Special Assistant for Developmental Reading*

¹ Second semester, 1960-61.

 VISITING PROFESSORS IN
SPECIAL PROGRAMS

FREDERICK THAYER HILL, M.D., SC.D.

Visiting Professor of Otolaryngology

RAYMOND PATON SLOAN, L.H.D.

Visiting Professor of Hospital Administration

JOSEPH SATALOFF, M.D.

Visiting Professor of Otology

PARKER HEATH, M.D.

Visiting Professor of Ophthalmology

 COMMITTEES OF
THE FACULTY

The President and the Dean of the Faculty are ex officio members of all committees.

The first named member of each committee is its chairman.

ADMINISTRATIVE

President Strider; Dean Johnson; Vice-President Williams; Deans Nickerson and Seaman; Professors Barlow (1961), Machemer (1962), G. Smith (1963); Assistant to the President, Mr. Dyer.

ADMISSIONS

Dean Johnson; Vice-President Williams; Deans Nickerson and Seaman; Professors Kellenberger (1961), Benbow (1962), L. Zukowski (1963); Director of Admissions, Mr. Bryan, and Director of Placement, Mr. McKeen.

AFROTC

Professors Clark, Clifford, Hickox, Millett, Ray, Mr. Garab, Mr. Phillips, and Lt. Col. Peterson, ex officio.

ATHLETICS

Professors Biron, Geib, Breckenridge, Loeb, and L. Williams.

BOOK OF THE YEAR

Professors Bridgman, Brown, Iorio, McKenna, Miss Pallister, and Mr. Pestana.

COMMENCEMENT

Professor Loeb; Vice-President Williams; Professors P. Bither, E. Comparetti, Millett, Simpson, G. Smith; Assistant to the President, Mr. Dyer; Superintendent of Buildings and Grounds, Mr. Whalon; Director of Food Services, Miss Nichols; a senior man and a senior woman.

EDUCATIONAL POLICY

Dean Johnson; Professors Benbow, Birge, Combella (1961); Reuman, Scott, Strong (1962); Allen, Mavrinac (1963) and Bancroft (1961), serving for Reid (1963).

EXAMINATIONS AND SCHEDULE

Professors Gillum, E. Comparetti, Curran, Gillespie, MacKay, Terry, Mr. Wheeler, and Director of Schedule, Professor McCoy.

| | |
|---|--|
| FACULTY RESEARCH, TRAVEL AND SABBATICALS | Dean Johnson; Vice-President Williams; Professors Allen, Carpenter, Clark, and Scott. |
| FINANCIAL AID | Vice-President Williams; Deans Nickerson and Seaman; Treasurer, Professor Seepe; Director of Admissions, Mr. Bryan; Director of Placement, Mr. McKeen; Professors Reuman (1961), Terry (1962), Todrank (1962), Pullen (1963). |
| FOREIGN STUDENTS AND FOREIGN STUDY | Professor Holland; Deans Johnson, Nickerson, Seaman; Professors Berschneider, Brown, Cauz, Schmidt, G. Smith, and Yokelson. |
| FRESHMAN WEEK | Assistant to Director of Admissions, Mr. Gemery; Deans Johnson, Nickerson, Seaman; Treasurer, Mr. Seepe; Director of Admissions, Mr. Bryan; Director of Placement, Mr. McKeen; Director of Roberts Union, Mr. Macomber; Recorder, Mrs. Larsen; Director of Food Services, Miss Nichols; Professors Loeb, McCoy, Marchant, Ré, Rosenthal, and Miss Gulick. |
| GRADUATE SCHOLARSHIPS | Professor Raymond; Dean Johnson; Professors Biron, Brady, Carpenter, Machemer, Sutherland, Mr. Garab, and Mr. Schiller. |
| HONORARY DEGREES | Professors Chapman, E. Comparetti, Fairley, Kellenberger, Millett, Raymond, Rothchild, N. Smith, Suss, and W. Zukowski. |
| LIBRARY AND BOOKSTORE | Professors Allen, Kellenberger, Libbey, McKenna, Miller, Raymond, Sutherland, Yokelson, Mr. Kirk, and the Treasurer, Mr. Seepe. |
| PLANNING | President Strider; Dean Johnson; Vice-President Williams; Vice-President for Development, Mr. Turner; Deans Nickerson and Seaman; Alumni Secretary, Mr. Millett; Assistant to the President Mr. Dyer; Professors Chapman, Combella, and Pullen. |
| PROFESSIONAL PREPARATION | <p>Ex officio members: Deans Johnson, Nickerson, Seaman, and Director of Placement, Mr. McKeen.</p> <p><i>Engineering:</i> Professors Combella, Bancroft, Fairley, and Mr. Wheeler.</p> <p><i>Law and Government Service:</i> Professors Berschneider, Breckenridge, Felger, Mavrinac, Rothchild, W. Zukowski.</p> <p><i>Medical:</i> Professors Machemer, Ray, Scott, Terry, Dr. Frederick T. Hill, Dr. Parker Heath, and Dr. Paul H. Pfeiffer.</p> <p><i>Secondary School Teaching:</i> Professors N. Smith, P. Bither, Bridgman, Fairley, Gillum, Iorio, and Director of Placement, Mr. McKeen.</p> |

Theological: Chaplain of the College, Professor Osborne; Director of Admissions, Mr. Bryan; Professors A. Comparetti, Todrank, and Mr. Hudson.

- REMEMBRANCE Professors Libbey, M. Bither, Marchant, Osborne, Strong.
- SENIOR SCHOLARS Professors MacKay, Bridgman, Cary, Clark, A. Comparetti, Geib, Hickox, Holland, McKenna, Miller.
- SOCIAL Professors Rosenthal, Brady, Curran, Kelley, Ré, Starker, Mr. Dell, Mrs. Fisher, Mr. Madison, Miss Sherwin.
- STANDING Professor Koons; Deans Johnson, Nickerson, Seaman; Recorder, Mrs. Larsen; Professors Barlow, Chapman, Loeb.

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¹ Retired, January 31, 1961.

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Dorothea Elizabeth Marchetti
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R. Webb Noyes M.S.
Classifier

Inez W. Noyes (Mrs.) B.A.
Catalog Librarian

Sheila Osborne
Clerical Assistant

Collette P. Pelkey
Clerical Assistant

¹ First semester, 1960-61.² Second semester, 1960-61.

Urania A. Pomerleau (Mrs.)

Circulation Assistant

Morris Schertz, M.L.S.

Catalog Librarian of Special Collections

Carol A. Welch (Mrs.), B.S.

Secretary to the Librarian

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Marion Dodge Whitehead (Mrs.)

House Mother, Delta Upsilon Fraternity

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Inza Taylor Foster (Mrs.)

Relief and Catering Assistant

L. Muriel Tripp, B.S.

Assistant Dietitian

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John F. Reynolds, M.D.

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Price A. Kirkpatrick, M.D.

Consultant in Psychiatry

Carl E. Nelson, B.S.

Physio-Therapist

Susan McGraw Fortune (Mrs.), B.S., R.N.

Head Nurse in Residence

Nurses:

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Norma Marcia, L.P.N.

Ruth Piper, (Mrs.), R.N.

Mary Turbyne (Mrs.), R.N.

Ruth Williams (Mrs.), R.N.

Alice K. Witham (Mrs.), R.N.

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General Foreman

George John Mitchell

Sanitation Foreman

Robie F. Bickmore

Heating Foreman

Daniel Richard MacKnight

Electrician

Honors and Degrees

DEGREES AWARDED COMMENCEMENT

MONDAY, JUNE 6, 1960

Bachelor of Arts

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James Charles Ainger, *Shaker Heights, Ohio*
 Carleton Everett Austin, Jr., *Rumford*
 John Nichols Bailey, *Hamden, Conn.*
 Mark Ray Berberian, *Englewood, N. J.*
 Clark Waring Blackburn, Jr., *Scarsdale, N. Y.*
 Brian Allen Blanchard, *Windsor, Vt.*
 Warren Tracy Bleser, *Middlebury, Conn.*
 Roger William Brown, *Westfield, Mass.*
 Donald Elliot Burgess, *West Hartford, Conn.*
 Edward Joseph Burke, Jr., *Brockton, Mass.*
 Arthur Draper Calfee, *Wellesley, Mass.*
 Richard Frederick Casson, *Brookline, Mass.*
 John Edward Clark, *Scarsdale, N. Y.*
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Sterling Junction, Mass.
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Wellesley Hills, Mass.
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 Peter Eastman French, *Pelham, Mass.*
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 Marius Anthony Gache, *Lodi, N. J.*
 Ralph Lawrence Galante, *Saugus, Mass.*
 Robert Hugh Gelders, *Wilton, Conn.*
 Ronald Paul Gerber, *Bronx, N. Y.*
 Jerome Franklin Goldberg, *Portland*
 William Bradford Greeley, *Lexington, Mass.*
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 James George Haidas, *Worcester, Mass.*
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 Peter Lee Henderson, *Caribou*
 Peter Edwin Hennessy, *Roslindale, Mass.*

Richard Lee Hilton, *Cumberland Center*
 Richard James Holbrook, *Hallowell*
 Robert Vail Huss, *Newton Centre, Mass.*
 Robert John Jordan, *West Peabody, Mass.*
 Don Mark Kaufman, *Newark, N. J.*
 John Baker Kellom, *Beverly, Mass.*
 Richard Gordon Kenison, *Manchester, Mass.*
 Jonathan Read Knowles, *Rehoboth, Mass.*
 Paul Alan Kramer, *Chestnut Hill, Mass.*
 Stephen Peter Kudriavetz, Jr.,
West Hartford, Conn.
 Jerry LaForgia, *North Bergen, N. J.*
 Paul Richard Lambert, *Augusta*
 Richard McAllister Lansing, *Northfield, Conn.*
 Henry George Lapham, *Boston, Mass.*
 Lawrie Francis Larchez, *South Hamilton, Mass.*
 Ralph Murray Lathe, *Hallowell*
 Peter Reinhardt Laylin, *Columbus, Ohio*
 Charles Cutler Leighton, *Newton Centre, Mass.*
 Robert Barry Levine, *Vineyard Haven, Mass.*
 David Anthony Light, *Winsted, Conn.*
 Clarence Williams Little, Jr., *Orange, Va.*
 Robert Harold Littlefield, *Albion*
 Ronald George Littlefield, *Albion*
 Richard Grosvener Lucier, *Newton, Mass.*
 Richard Norman McCracken, *Scarsdale, N. Y.*
 Peter Neil McFarlane, II, *St. John, Virgin Islands*
 James Rathburn McIntosh, *Hollywood, Fla.*
 Robert John MacLean, *New York, N. Y.*
 George Todd Marchant, *Needham, Mass.*
 Edward Robert Marchetti, *Bath*
 Robert Ernest Marier, *Kennebunk*
 Douglas Talbot Mathieu, *Waterville*
 Larry Ray Mitchell, *Muncie, Ind.*
 Frederick Campbell Moffatt, *Ipswich, Mass.*
 Donald D. Mordecai, *Brookline, Mass.*
 Frank Cleverly Morgan, *Putnam, Conn.*
 Charles Francis Murphy, *Marlboro, Mass.*
 Ralph Daniel Nelson, Jr., *Westboro, Mass.*
 Daniel Seymour Parish, *Lincoln, Mass.*
 Robert Maroon Peters, *Waterville*
 Charles Richard Peterson, *Waterville*
 Barry Stuart Potter, *Bolton, Mass.*
 James Quinn, *North Adams, Mass.*
 Louis Rader, *Stamford, Conn.*
 Peter Julian Rednor, *Morrisville, Penn.*
 Roger Alan Richardson, *Marblehead, Mass.*

John Morrill Roberts, *South Portland*
 George Roden, Jr., *West New York, N. J.*
 William David Rollins, *South Lincoln, Mass.*
 Gordon Webb St. John, *Wallingford, Conn.*
 Ivan William Saitow, *Miami Beach, Fla.*
 Bernard Harold Scherban, *New Haven, Conn.*
 Lewis Mark Schwartz, *Waban, Mass.*
 Whitney Tyler Shackford, *Arlington, Mass.*
 Philip Robert Shea, *Gardiner*
 Andrew Lee Sheldon, *Northfield, Mass.*
 Michael Isaac Silverberg, *New Haven, Conn.*
 William Jack Sinton, *Groton, Conn.*
 David Elliott Sirman, *West Hartford, Conn.*
 Walter Barry Smith, *Glen Cove, N. Y.*
 Richard Kenneth Stacy, *South Portland*
 Robert Ian Tatlock, *Pittsford, N. Y.*
 Douglas Clifford Thompson, *Avon, Conn.*
 David Michael Tierney, *Salem, Mass.*
 Dennis Hok Shou Ting, *Hong Kong*
 William Robert Todd, *Titusville, N. J.*
 John Nelson Tully, *Worcester, Mass.*
 Martin Donald Turpie, *Bath*
 Richard Donaldson Tyson, *Concord, Mass.*
 Peter Cameron Van Alyea, *Winnetka, Ill.*
 Hank Graham Van Beever, *Larchmont, N. Y.*
 John Walter Edward Vollmer, *London, England*
 Richard Andrew Walton, *Branford, Conn.*
 Ronald Theodore Weber, *East Norwalk, Conn.*
 George Grant Welch, Jr., *Watertown, Conn.*
 Roger Wheeler, Jr., *Newtonville, Mass.*
 John Moir Whittier, *Longmeadow, Mass.*
 Donald Paul Williamson, *Stoughton, Mass.*
 John Alan Thomas Wilson, *Glastonbury, Conn.*
 Kenneth Eldredge Wilson, Jr., *Centerville, Mass.*
 Phillip Alan Worth, *San Antonio, Texas*
 Lee David Zinman, *Yonkers, N. Y.*
 Russell Thomas Zych, *New Bedford, Mass.*

As of the Class of 1956

Mitchell Nelson Call, *Knowlton, Canada*

As of the Class of 1959

Bruce Albright Williams, *Quincy, Mass.*

WOMEN'S DIVISION

Carol Marcia Anderson, *Goffstown, N. H.*
 Judith Gale Anderson, *Pleasantville, N. Y.*
 Eleanor Frances Ardiff, *Waban, Mass.*
 Rosemary Athearn, *Brewster, Mass.*
 Nancy Moore Bassett, *Longmeadow, Mass.*
 Barbara Jean Blackburn, *Brookfield, Conn.*
 Elizabeth Palma Boccasile, *Southwick, Mass.*
 Justine Alicia Brown, *Waterville*
 Eunice Armstrong Bucholz, *New Haven, Conn.*
 Agnes Mary Burns, *Freeport*
 June Melanie Chacran, *Newton, Mass.*
 Elizabeth Sterling Chamberlain, *Cheshire, Conn.*
 Susan Clarke Chamberlin, *Groton, Mass.*
 Barbara Ann Chapman, *Lexington, Mass.*
 Louisa Ethel Chase, *East Brewster, Mass.*
 Eleanore Marie Choquette, *Lawrence, Mass.*
 Janet Elizabeth Clark, *Tolland, Mass.*
 Virginia Anne Clark, *Bala-Cynwyd, Penn.*
 Iris Ann Cofman, *Marblehead, Mass.*
 Olympia Constantinidou, *Salonika, Greece*
 Judith Dignam Cote, *Barrington, R. I.*
 Rebecca Elizabeth Crane, *Norway*
 Katherine Custer, *Los Gatos, Cal.*
 Carlene Elizabeth Daisy, *Quincy, Mass.*
 Mollie Josephine Deans, *Winchester, Mass.*
 Mary Joan Derby, *Granby, Mass.*
 Ann Hazelton Dudley, *Topsham*
 Margaret Barnes Dyer, *Waterville*
 Susan Abigail Edmond, *Westerly, R. I.*
 Jean Ann Foley, *Searsport*
 Dawn Louise Forsberg, *Oakland*
 Anne Elizabeth Gerry, *Brewer*
 Janet McIntyre Grout, *Irvington, N. Y.*
 Helen Eugenia Hall, *Silver Spring, Md.*
 Gail Harden, *Dalton, Mass.*
 Margaret Jeanne Hibbard, *Montpelier, Vt.*
 Gertrude Alison Hill, *Walpole, Mass.*
 Jane Parker Holden, *Wynnewood, Penn.*
 Harriette Howard, *Nantucket, Mass.*
 Ann Impy, *Garden City, N. Y.*
 Judith Ann Ingram, *Cohasset, Mass.*
 Margaret Alice Jack, *Rye, N. Y.*
 Beverly Ann Jackson, *Riverhead, N. Y.*
 Roberta Elaine Jeromin, *Lynn, Mass.*
 Beverly Louise Johnson, *Holden, Mass.*

Patricia Ann Johnson, *Lewiston, N. Y.*
 Linda Florence Julia, *Fairfield*
 Karen Anne Kennedy, *Stony Point, N. Y.*
 Ann Catherine Kimball, *Bridgeport, Conn.*
 Julie Ann Klafstad, *Wellesley, Mass.*
 Elizabeth Ann Lassen, *Needham, Mass.*
 Dorothea Katherine Lawrence, *Cincinnati, Ohio*
 Hannah Claudia Lawrence, *Wynnewood, Penn.*
 Linda L. Levenson, *New Delhi, India*
 Gail Clara Longenecker, *Katonah, N. Y.*
 Cynthia Helen Love, *Saco*
 Blandine LaFlamme McLaughlin, *Fairfield*
 Mary Mercer MacNutt, *East Williston, N. Y.*
 Wendy Robb McWilliam, *South Weymouth, Mass.*
 Linda Carol Mackey, *Bronxville, N. Y.*
 Constance Rita Maheu, *Mechanic Falls*
 Helen Martin, *Rockport, Mass.*
 Marilyn Sandra Mayer, *Greenwich, Conn.*
 Judith Ann Miller, *Falmouth, Mass.*
 Ann Monro, *Winchester, Mass.*
 Sandra Myers, *Bethel*
 Carlene Ann Perry, *Brownville Junction*
 Marcia Lynne Peterson, *Wethersfield, Conn.*
 Barbara Jean Poole, *Wellesley, Mass.*
 Marion Louise Porter, *Darien, Conn.*
 Joanne Wallace Price, *West Roxbury, Mass.*
 Charlotte Eugenie Purnell, *Towson, Md.*
 Eleanor Lucie Reed, *Holden, Mass.*
 Carole Jean Richardson, *Hopedale, Mass.*
 Janice Ann Rideout, *Bucksport*
 Louise Conwell Robb, *Westfield, Mass.*
 Carol Louise Seaman, *Summit, N. J.*
 Judith Ann Mary Sessler, *Plainfield, N. J.*
 Carol Joan Shoemaker, *Mahwah, N. J.*
 Elaine Marie Starke, *Valley Stream, N. Y.*
 Alice Hazen Stebbins, *Colchester, Conn.*
 Ann Elizabeth Stocking, *Simsbury, Conn.*
 Maren Louise Stoll, *East Pembroke, Mass.*
 Susan Miller Stone, *Brookline, Mass.*
 Susan Macomber Vogt, *Coral Gables, Fla.*
 Caroline Patten Walker, *Northboro, Mass.*
 Nancy Gwendolyn Walker, *Westboro, Mass.*
 Sally Walker, *Rockford, Ill.*
 Lorene Elizabeth Waugh, *Berlin, N. H.*
 Carolyn Anne Webster, *Rockville Centre, N. Y.*
 Margaret Dorothy Wetzel, *Oceanside, N. Y.*
 Katherine Palmer White, *Sharon, Mass.*

Deborah Birch Wilson, *Newton Centre, Mass.*
 Charlotte Anne Wood, *Medfield, Mass.*
 Carol Ann York, *Waterville*
 As of the Class of 1959
 Cynthia Lord Crockett, *Wenham, Mass.*
 Ann Marie Segrave, *Port Washington, N. Y.*

HONORS IN GENERAL SCHOLARSHIP

Magna Cum Laude

Margaret Dorothy Wetzel
 Blandine LaFlamme McLaughlin

Cum Laude

Carlene Ann Perry
 Ann Hazelton Dudley
 June Melanie Chacran
 Janice Ann Rideout
 Ralph Daniel Nelson, Jr.
 Louis Rader
 Charles Cutler Leighton
 Carol Ann York
 Iris Ann Cofman
 Donald Paul Williamson
 Margaret Alice Jack
 Larry Ray Mitchell

DISTINCTION IN THE MAJOR

In Biology

Iris Ann Cofman
 Andrew Lee Sheldon

In Professional Chemistry

Ralph Daniel Nelson, Jr.
 John Morrill Roberts

In Economics

Judith Ann Miller
 Donald Paul Williamson

In French

Virginia Ann Clark
 Blandine LaFlamme McLaughlin

In Government

Roger William Brown

In History

David Michael Copithorne

In History – Government – Economics

Margaret Dorothy Wetzel

In Mathematics

Margaret Alice Jack

In Philosophy

Larry Ray Mitchell

HONORS AS SENIOR SCHOLARS

Richard Frederick Casson

*The Evolution of the Judicial System in
Nineteenth Century Imperial Russia*

June Melanie Chacran

Unamuno y su Mundo

Ann Hazelton Dudley

Philosophies of Physics

Donald D. Mordecai

*The Role of the Chorus in the Oedipus Tyrannus:
The Tragic Conflict*

Louis Rader

Carlyle and the Tradition of Burke

Louise Conwell Robb

*Saladin: A Study in the Military and Diplomatic
Tactics of a Twelfth Century Arab Ruler*

HONORS, PRIZES AND AWARDS

Phi Beta Kappa

CLASS OF 1960

June Melanie Chacran

Iris Ann Cofman

Ann Hazelton Dudley

Charles Cutler Leighton

Blandine LaFlamme McLaughlin

Ralph Daniel Nelson, Jr.

Carlene Ann Perry

Louis Rader

Janice Ann Rideout

Margaret Dorothy Wetzel

Donald Paul Williamson

Carol Ann York

HONORARY DEGREES

LOUISE GILLINGHAM BENNETT

Master of Arts

LOUISE BOGAN

Doctor of Letters

HERBERT BRUCKER

Doctor of Humane Letters

JAMES BRYANT CONANT

Doctor of Laws

WILLARD WARREN CUMMINGS

Doctor of Fine Arts

NORMAN DELLO JOIO

Doctor of Music

NEIL LEONARD

Doctor of Laws

ROBERT JAMES MCCrackEN

Doctor of Divinity

GERARD PIEL

Doctor of Science

FRANCIS T. P. PLIMPTON

Doctor of Laws

PAUL FARR RUSSELL

Doctor of Science

*Recipients of college prizes in 1960 are listed in the
section devoted to Honors and Awards, page 50.*

HONORS IN COMPREHENSIVES

MAY 1960

Andrew Sheldon — *Biology*
 Iris Cofman — *Biology*
 Robert Peters — *Business Administration*
 Richard Peterson — *Business Administration*
 Carol Seaman — *Business Administration*
 Ralph Nelson, Jr. — *Chemistry*
 John Roberts — *Chemistry*
 Roger Wheeler — *Economics*
 Donald Williamson — *Economics*
 Judith Ann Miller — *Economics*
 Virginia Clark — *French*
 Blandine McLaughlin — *French*
 Roger Brown — *Government*
 David Copithorne — *History*
 Elaine Starke — *History*
 Margaret Jack — *Mathematics*
 Larry Mitchell — *Philosophy*
 Lewis Schwartz — *Philosophy*
 M. Josephine Deans — *English Literature*
 Ann Impey — *English Literature*
 Margaret Wetzel — *Hist.-Gov.-Econ.*
 Cynthia Love — *Philosophy-Religion*

DEGREES AWARDED, OCTOBER 1, 1960

MEN'S DIVISION

Leo Joseph Beaulieu, *South Portland*
 Keith Waide Davis, *Stamford, Connecticut*
 Charles James Fox,
Newton Highlands, Massachusetts
 Lawrence Raymond Lathrop,
Cumberland Center
 Stephen Norman Field, *Waterville*
 Peter Anthony Gilbert, *Norwell, Massachusetts*
 Robert Dean Haggert, *Bath*
 Leon Robert Holmes, *Willimansett, Massachusetts*
 Leon Thomas Nelson, *New Haven, Connecticut*
 Kenneth Edward Nigro, *Livington, New Jersey*
 Carl Michael Paharik, *Holden, Massachusetts*
 Bradford Crosby Sherman, *Cranston, Rhode Island*
 Albert Muir Young, *Timonium, Maryland*

WOMEN'S DIVISION

Sarah Elizabeth Case, *Pleasantville, New York*
 Carol Sonya Wickeri, *Pelham Manor, New York*

Interviewers for Admission

CALIFORNIA

Fresno

Mrs. Nicholas J. Lupo
(Marjorie A. Austin), '52
4450 East Austin Street

Los Angeles

Mr. Lew W. Bowman
10644 Wilshire Blvd.

Menlo Park

Mr. Willard Wyman, '56
Menlo School and College

COLORADO

Denver

Miss Janet Kimball, '57
1109 Marion Street

CONNECTICUT

Fairfield

Miss Joanne C. Raffay, '57
111 Lloyd Drive
Mr. Wilford D. Whiteley, '51
173 Puritan Road

Goshen

Mrs. Arthur J. Robinson
(Marcia Peterson), '60
Box 56

Greenwich

Miss Miriam Hardy, '22
26 Lexington Avenue

Hartford

Miss Louise J. Leavenworth, '49
946 Wethersfield Avenue

Lakeville

Mr. Arthur White, '52
Hotchkiss School

Monroe

Mr. Karl Decker, '54
R. F. D. #1
Mrs. Karl Decker
(Merrilyn A. Healey)
R. F. D. #1

New Haven

Mr. David L. Adams, '58
23 Colby Court

New London

Mr. David W. H. Harvey, '53
15 Glenwood Place

Stamford

Mr. Joseph T. Consolino, '58
129 Palmer Hill Road
Dr. Ward W. Tracy, '54
346 Thunder Hill Drive

Waterbury

Miss Dorothy M. Crawford, '22
25 Adelaide Avenue

Watertown

Mr. E. Robert Bruce, '40
58 Longview Avenue

West Hartford

Mr. Clayton W. Johnson, '25
58 West Beacon Street

DISTRICT OF COLUMBIA

Washington

Mrs. Roderick M. Engert
(Jane Soule), '42
4509 Ellicott Street
Dean William B. West, '19
Big Brothers of D. C.
412 Fifth Street, N.W.

ILLINOIS

Evanston

Dr. Oscar M. Chute, '29
1606 Colfax Street

MARYLAND

Chevy Chase

Mrs. George C. Spiegel
(Betty Anne Royal), '42
8803 Clifford Avenue

MASSACHUSETTS

Amherst

Mr. C. Arthur Eddy, '54
425 South Pleasant Street
Mrs. C. Arthur Eddy
(Barbara J. Guernsey), '54
425 South Pleasant Street

Bedford

Mr. Benjamin R. Sears, '52
403 David Road

Boston

Mr. John T. King, II, '54
66 Chestnut Street

Bridgewater

Mr. Herbert W. DeVeber, '36
206 Crescent Street

Brockton

Mr. Carl R. MacPherson, '26
Brockton High School

Brookline

Mr. Edward H. Merrill, '25
Brookline High School

Cochituate

Mrs. Joel H. Harris
(Eleanor J. Shorey), '57
4 Richard Road

Mrs. Alton W. Lamont, Jr.
(Joan C. Martin), '52
26 Oak Street

Concord

Clifford A. Bean, '51
19 Monsen Road

Haverhill

Miss Edith E. Emery, '37
59 Chandler Street

Milton

Mr. Arthur J. Brimstine, '21
70 Plymouth Avenue

Newtonville

Mr. Howard L. Ferguson, '31
133 Lowell Avenue

North Andover

Mrs. Douglas B. Allen
(Elizabeth Swanton), '33
37 Bradstreet Road

Somerset

Mr. Arthur Marchand, '55
146 County Street

Springfield

Mr. U. Cleal Cowing, '27
32 Spring Street

Stoneham

Major John P. English
37 Maple Street

Ware

Mr. Charles A. Pearce, '49
112 Church Street

Wollaston

Mrs. Barbara Hoel
20 Janet Road

Worcester

Mr. L. Russell Blanchard, '38
41 Chevy Chase Road
Mr. Thomas Lavigne, '58
Lavigne Press, 177 Mechanic St.
Mr. Clifford H. Littlefield, '26
Worcester Academy

MICHIGAN

Detroit

Dr. David Morse, Jr., '52
14483 Robson Street

Mrs. David Morse
(Deborah Brush), '52
14483 Robson Street

Flint

Mrs. Franklin P. Bennett
(Florence Young), '29
1101 Woodside Drive

Wayne

Mr. Anthony L. Arthur, '54
1772 Leslie Street

MINNESOTA

Minneapolis

Mr. Lew C. Church, '02
1020 Rand Tower

NEW HAMPSHIRE

Nashua

Mr. C. Wallace Lawrence, '17
179 Amherst Street

North Haverhill

Mr. A. Frank Stiegler, Jr., '28

NEW JERSEY

Englewood

Mrs. John W. Taussig, Jr.
(Ann Jennings), '49
216 South Dwight Place

Fanwood

Mrs. William D. Odell
(Mary A. Burrison), '48
211 N. Martine Avenue

Hackensack

Mrs. Arthur W. Gatenby
(Eleanor G. Gray), '57
976 Main Street

Kinnelon

Mr. George B. Laffey, Jr., '52
Birch Road

Mrs. George B. Laffey, Jr.
(Elizabeth Winkler), '53
Birch Road

Madison

Mr. Charles R. DeBevoise, '48
66 Shadylawn Drive

Morristown

Mr. Roy V. Shorey, Jr., '54
7 Albert Avenue

Old Bridge

Mrs. Richard L. Hampton
(Jean Hahlbohm), '55
46 Margaret Street

Westfield

Mr. Raymond S. Grant, '25
721 Crescent Parkway

NEW YORK

Albany

Mr. William M. Harriman, '17
161 Manning Boulevard

Mr. Kenneth Van Praag, '55
51-1917 Central Avenue

Buffalo

Mrs. Spencer E. Hickman
(Margaret Wilkins), '18

Buffalo Seminary

205 Bidwell Parkway

DeWitt

Mr. Donald M. Butcher, '44
Box 255

Fairport

Mr. Ormonde Brown, '51
97 Dewey Avenue

Garden City

Mr. Kenneth C. Dolbeare, '22
St. Paul's School

Locust Valley

Miss Ann F. Rossiter, '52
6 Wood Lane

Manhasset

Mr. M. Colby Tibbetts, '45
15 Ridge Circle

Rockville Centre

Mr. Robert N. Wulfinf, '53

Mrs. Robert N. Wulfinf
19 Revere Street

Mamaroneck

Mr. Henry F. G. Wey, III, '56
Mrs. Henry F. G. Wey, III
(Marilyn Brooks), '56
127 Fenimore Road

New York City

Miss Patricia Bain, '50
The Clara Laughlin Travel
Services Inc.
667 Madison Avenue

Miss Janice W. Holland, '54
317 East 51st Street

Mrs. James McIntosh
(Sally Phelan), '59

686 W. 204th Street, Apt. 5E

Miss Marilyn P. Perkins, '57
378 Bleecker Street

Mr. Patterson M. Small, '47
Manager, Bachrach Studios
48 E. 50th Street

Mrs. Ernest Tracy
168 E. 74th Street

Mr. Richard B. Tupper
521 East 14th Street

Peekskill

Mr. Merton E. Laverty, '23
Peekskill Military Academy

Rochester

Dr. Libby Pulsifer, '21
16 North Goodman Street

Snyder

Miss Susan Campbell, '52
113 Meadowstream Drive

OHIO

Columbus

Professor Norman D. Lattin, '18
Ohio State University

Cuyahoga Falls

Mr. Earl S. Bosworth, Jr., '49
2875 Norma Street

Kent

Mr. Lawrence S. Kaplan, '47
Department of History
Kent State University

PENNSYLVANIA

Camptown

Mrs. H. Anthony Homet
(Barbara J. Klein, '57)

Nazareth

Mrs. Robert A. Conover
(Nancy Moyer), '54
R. F. D. #3, Box 269

Philadelphia

Mr. Douglas P. Chaloult, '53
9312 Crispin Street

Mr. Richard B. Beal, '51
c/o N. W. Ayer & Sons
W. Washington Square

Mr. Chester D. Harrington, Jr., '51
c/o N. W. Ayer & Sons
W. Washington Square

Pittsburgh

Mrs. Bay E. Estes, Jr.
(Ruth E. Stubbs), '34
812 Elm Spring Road

Mr. F. Fritz Knight
114 Highland Place

RHODE ISLAND

Cranston

Mr. Norval E. Garnett, '51
67 Dellwood Road

Mrs. Norval E. Garnett
(Norma Bergquist), '52
67 Dellwood Road

East Greenwich

Mr. Robert E. Cannell, '51
100 Phillips Road

Providence

Mr. Wayne W. McNally, '21
64 Larch Street

VERMONT

St. Johnsbury

Mr. Donald M. Jacobs, '50
St. Johnsbury Academy

VIRGINIA

Arlington

Mrs. David T. Scheele
(Frances Buxton), '59
2000 North Adams Street

Falls Church

Mr. Ernest J. Roderick, '36
1407 Timber Lane

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATIONS OF STUDENTS' HOMES

| | <i>Total</i> | <i>Men</i> | <i>Women</i> | | | | |
|----------------------|--------------|------------|--------------|---------------------------|----|----|---|
| ALL AREAS | 1191 | 704 | 487 | | | | |
| NEW ENGLAND | 868 | 471 | 337 | OUTSIDE THE UNITED STATES | 26 | 20 | 6 |
| Connecticut | 171 | 111 | 60 | Canada | 6 | 5 | 1 |
| Maine | 219 | 104 | 115 | New Brunswick | 1 | 1 | — |
| Massachusetts | 336 | 214 | 122 | Ontario | 3 | 3 | — |
| New Hampshire | 45 | 22 | 23 | Quebec | 2 | 1 | 1 |
| Rhode Island | 22 | 14 | 8 | Bermuda | 1 | 1 | — |
| Vermont | 15 | 6 | 9 | Brazil | 2 | 2 | — |
| OUTSIDE NEW ENGLAND | 357 | 213 | 144 | Cuba | 1 | 1 | — |
| Alabama | 1 | — | 1 | Cyprus | 1 | 1 | — |
| California | 5 | 2 | 3 | England | 1 | 1 | — |
| Colorado | 1 | — | 1 | Finland | 1 | 1 | — |
| Delaware | 5 | 2 | 3 | France | 3 | 2 | 1 |
| District of Columbia | 6 | 1 | 5 | Greece | 2 | 1 | 1 |
| Florida | 1 | — | 1 | Kenya | 1 | 1 | — |
| Illinois | 14 | 6 | 8 | Nicaragua | 1 | — | 1 |
| Louisiana | 1 | 1 | — | San Juan | 1 | — | 1 |
| Maryland | 7 | 3 | 4 | Spain | 1 | 1 | — |
| Michigan | 3 | 1 | 2 | Thailand | 2 | 1 | 1 |
| Minnesota | 1 | — | 1 | Venezuela | 2 | 2 | — |
| Nebraska | 1 | 1 | — | | | | |
| New Jersey | 81 | 54 | 27 | | | | |
| New Mexico | 1 | 1 | — | | | | |
| New York | 161 | 104 | 57 | | | | |
| North Carolina | 2 | 1 | 1 | | | | |
| Ohio | 8 | 6 | 2 | | | | |
| Pennsylvania | 44 | 25 | 19 | | | | |
| Texas | 3 | 2 | 1 | | | | |
| Virginia | 7 | 2 | 5 | | | | |
| Washington | 1 | 1 | — | | | | |
| West Virginia | 1 | — | 1 | | | | |
| Wisconsin | 2 | — | 2 | | | | |

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