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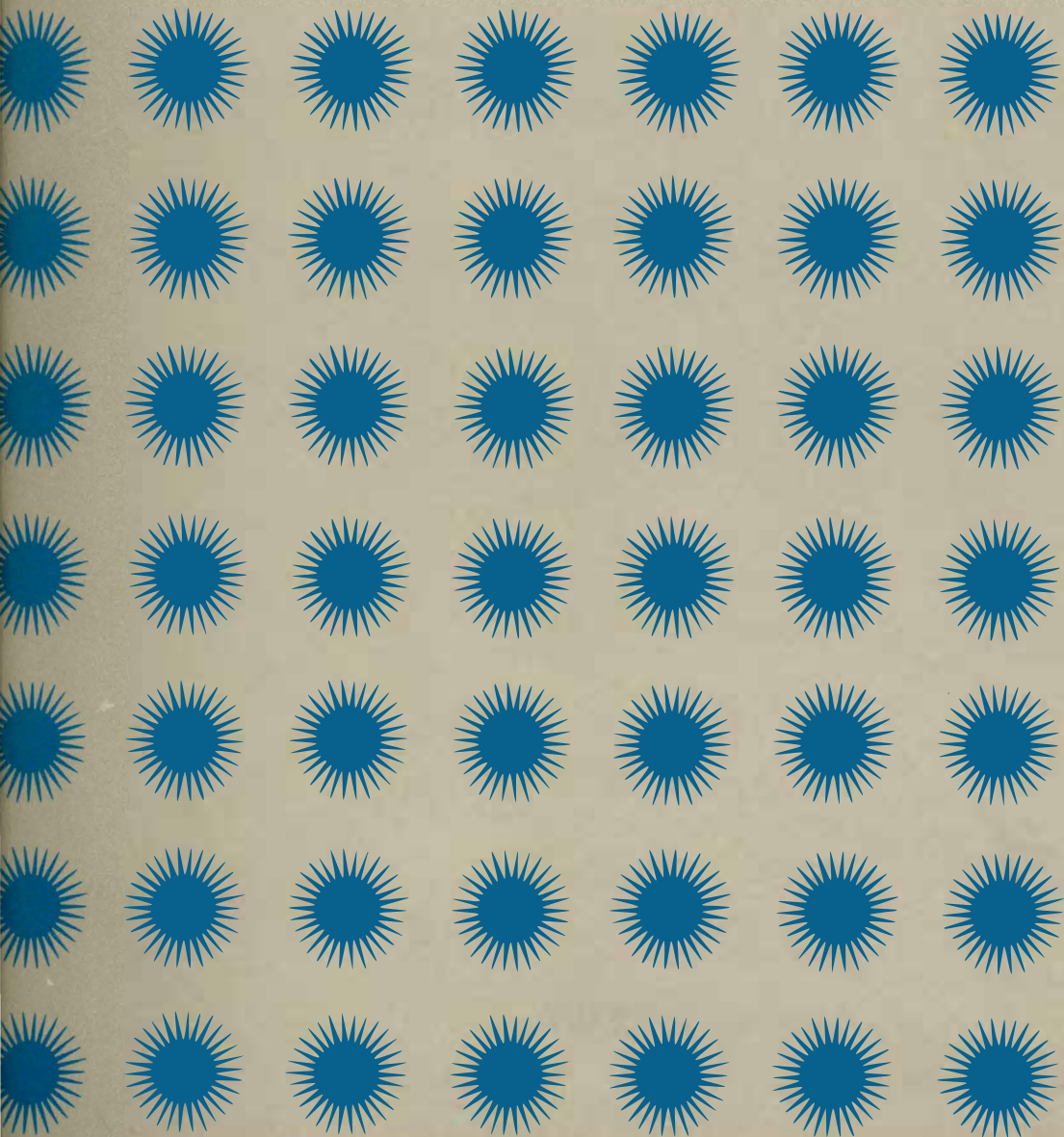
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COLBY COLLEGE BULLETIN

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Catalogue Issue September 1965



COLBY COLLEGE BULLETIN

WATERVILLE, MAINE • FOUNDED IN 1813 • ANNUAL CATALOGUE ISSUE • SEPTEMBER, 1965

1965

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College Calendar, 1965-66

Friday, September 10	Freshman program begins
Tuesday, September 14	Upperclass registration
Wednesday, September 15	First classes
Saturday, October 9	Parents weekend
Saturday, October 23	Football game away; classes end 11:00
Wednesday, October 27	Midsemester
Saturday, November 6	Homecoming Day; all classes omitted
Wednesday November 24, 10:30 A.M. to Monday, November 29, 8:30 A.M.	Thanksgiving recess
Saturday, December 11	Last classes of first semester
Monday, December 13 <i>through</i> Saturday, December 18	Semester examinations
Monday, January 3	First semester make-up examinations
Monday, January 3 <i>through</i> Saturday, January 29	January Program
Monday, February 7	First classes of second semester
Monday, March 21	Midsemester
Friday, March 25, 10:30 A.M. to Monday, April 4, 8:30 A.M.	Spring recess
Friday, May 6 <i>through</i> Thursday, May 19	Reading period for 300 and 400 courses
Thursday, May 19	Last classes for 100 and 200 courses *
Friday, May 20	Comprehensive examinations *
Monday, May 23 <i>through</i> Wednesday, June 1	Final examinations
Sunday, June 5	Commencement

* Scheduled laboratory sessions will meet on Friday afternoon, May 20.

Inquiries to the college should be directed as follows:

ADMISSION		HARRY R. CARROLL, <i>Dean 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 Services</i>
HOUSING	MEN	GEORGE T. NICKERSON, <i>Dean of Men</i>
	WOMEN	FRANCES F. SEAMAN (MRS.), <i>Dean of Women</i>
RECORDS AND TRANSCRIPTS		GILBERT F. LOEBS, <i>Registrar</i>
SCHOLARSHIPS AND EMPLOYMENT		EARLE A. MCKEEN, <i>Director of Financial Aid</i>
SUMMER SCHOOL OF LANGUAGES		<i>Director of the Summer School of Languages</i>
VETERANS' AFFAIRS		E. PARKER JOHNSON, <i>Dean of Faculty</i>

A booklet, ABOUT COLBY, with illustrative material, has been prepared for prospective students and may be obtained from the dean of admissions.

SERIES 64

NUMBER 3

DECEMBER 1965

The COLBY COLLEGE BULLETIN is published five times yearly, in May, June, September, December, and March.

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.

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Colby College

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	820 men, 578 women.
FACULTY	105 full and part time.
ENDOWMENT	\$14,800,000, approximate market value.
LIBRARY	Over 215,000 volumes and periodicals, 30,000 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 18,846. Industries: textiles, paper, molded papyrus products, shirts, plastics. Bus service, Greyhound Lines. Airport with service of Northeast Air Lines at Augusta. 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 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. In 1819 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 persuasion 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 grateful 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 receiving degrees in 1822, was George Dana Boardman, pioneer of a long line of Colby missionaries to foreign lands. A graduate in 1826 was Elijah Parish Lovejoy, who suffered martyrdom for the cause of freedom of the press when his persistent anti-slavery articles led to his death at the hands of 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; 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 a women's division was established with separate classes and administration. Although Colby still is, officially, 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 be moved "as soon as feasible."

For 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. Colby was gradually transferred, between 1943 and 1952, to its new site on Mayflower Hill, on land given by the citizens of Waterville.

Throughout his administration, 1942-1960, President J. Seelye Bixler continued the work so well begun by President Johnson and President Robert E. L. Strider has, in his turn, enforced these principles of achievement. As a result the new campus now consists of thirty-four modern buildings, most of Georgian colonial architecture, valued in excess of thirty 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 doubled from 600 to over 1200, and the students come from more than two thirds of the states and many foreign countries. The faculty, numbering 56 in 1940, now exceeds 100. During the same years the endowment has increased from less than three million dollars (original cost) to more than ten million. Accompanying the physical expansion has been growth in variety and quality of the curriculum enabling an increas-

ing number of graduates to seek advanced degrees in the liberal arts and the professions at the leading universities.

In 1963, Colby College observed its one hundred and fiftieth anniversary with a distinguished series of events emphasizing the college's heritage and its responsibility for the future. That academic year was a milestone, but no event had more significance for the college than its selection by the Ford Foundation for development as a "regional center of excellence." Colby received in June, 1962 a challenge grant of \$1.8 million in the Foundation's Special Program in Education, which was successfully matched on a two-to-one basis in three years. Officials of the Ford Foundation chose a select number of liberal arts colleges to be included in the program "because of the importance of the liberal arts—the humanities, natural sciences, and social sciences—in cultivating the thoughtful leadership and independent opinion essential in a free society." Funds contributed to the campaign exceeded the matching stipulations by \$1 million.

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 ROBINS
	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
	1929-1942	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, “committed,” to quote the inaugural address of President Strider, “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 a comprehensive investigation of our heritage the Colby student is given an opportunity to explore thoroughly a major field of study. He is encouraged to choose a major which affords him the greatest intellectual stimulation, rather than one which he can necessarily “use” after graduation. Colby does not prepare a student for a particular vocation but rather for *any* vocation, as well as for a full and rewarding life in the contemporary world.

The coming generation of young adults will have to make difficult and fateful decisions. Technical knowledge alone will not be sufficient, for the problems we face are complex and full of uncertainties. To think them through, one must draw upon a capacity for judgment in the broadest sense -- judgment involving not only material things but also the intangibles of the human spirit. Liberal education provides young men and women with a basis upon which a system of values can be built, reference to which can sharpen the 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 (intercollegiate and intramural), music, drama, dance, debating, religious groups and social organizations.

It is the philosophy of the college that responsibility be given the students: in the regulation of social life and daily

living and in the academic program. Toward this end advising, guidance, and counseling are available. Colby hopes that during the college years the student will mature socially and intellectually, and every opportunity is given him to do so.

One distinctive feature of a Colby education bears out this philosophy directly. The college's *January Program of Independent Study* has as its purpose the encouragement of the student to acquire the habit of exploring a particular field of knowledge on his own, a habit which can be carried over beyond graduation and through life. Colby students are introduced to independent work even before they reach the campus, for in the summer preceding the freshman year all are given a reading assignment chosen from classics of literature and philosophy to be completed before matriculation.

Students at the college are strongly advised to consider further graduate study in preparation for the professions. Each year an increasing number of Colby graduates enters medical, law, and divinity school, graduate schools of education, engineering, and business, graduate schools of arts and sciences. Though the major the student selects is often specifically aimed toward graduate study, it does not have to 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, 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 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 curriculum are classified in five divisions. In the *Division of Humanities* are classics, English, art, music, and modern foreign languages. The *Division of Social Sciences* includes business administration, economics, sociology, education, psychology, history, government, philosophy and religion. In the *Division of Natural Sciences* are biology, chemistry, geology, mathematics, physics and astronomy. The *Division of Physical Education and Athletics*, besides offering courses, administers the intercollegiate athletic program and intramural sports. The *Division of Aerospace Studies* administers the program for students in the Air Force Reserve Officers' Training Corps.

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

THE STUDENT'S PROGRAM

In each of his eight semesters at Colby the student takes five subjects, to which he adds physical education for 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), and mathematics or a science. A social science is usual as the fourth course; the fifth is a free elective or, for prospective science majors, a second science course.

In the sophomore year the requirements include a course in English and American literature; other subjects usually taken include a foreign language—unless that requirement has been previously met—science or mathematics, a second social science, and another elective. One of the subjects must be in the field in which the student expects to major.

Each freshman is assigned to a member of the faculty who advises him during the first year; at the end of that year he is assigned a new adviser from the department in which he has elected to major.

Prospective students frequently ask what subjects they will study — especially in the freshman year. It would be misleading to present any specific pattern of courses for either of the first two years; though certain requirements must be fulfilled, the programs of individual students differ. The student preparing for a scientific career or the study of medicine will begin taking the scientific subjects at once. Those interested in other areas of study have a wider choice of subject matter. Whenever any choice is to be made, the student should discuss this matter, in terms of his individual needs, with his adviser. All students must note carefully the requirements for the major in which they are interested.

To emphasize the fixed requirements, however, general programs for the freshman and sophomore years are outlined below. To understand why certain items appear, please note the graduation requirements on page 16.

FRESHMAN YEAR English composition
 Foreign language, unless requirement already met
 A course in science or mathematics¹
 A course in social sciences or humanities
 Elective (aerospace studies available for men)
 Physical education (without academic credit)

SOPHOMORE YEAR Survey of literature
 Foreign language, unless requirement is met
 A course in science or mathematics
 A course in social sciences or humanities
 Elective (aerospace studies available for men)
 Physical education (without academic credit)

¹ Prospective majors in departments requiring mathematics usually elect mathematics in the freshman year. Prospective majors in biology, chemistry, geology, or physics take both mathematics and a science.

**GRADUATION
REQUIREMENTS**

To qualify for the degree of bachelor of arts a candidate must meet specifications in quantity, quality, distribution and concentration (see *major* on page 19). He must also participate satisfactorily in the January Program (page 21).

QUANTITY Forty semester courses or their equivalent in year courses.

QUALITY A total of 72 points obtained in 40 semester courses. For each 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*: four semesters (three for those who show suitable proficiency).

This requirement will be met by English 121, 221, and 222. Students for whom four terms are required take English 122. (See note on remedial English, p. 69.)

B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of four ways:

(1) Giving evidence of satisfactory achievement in a foreign language taught at Colby by (a) attaining before entrance a sufficiently high score in the College Entrance Examination Board foreign language achievement test, or (b) passing an achievement examination testing ability to read the 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) For a transfer student who has studied a foreign language not taught at Colby, the requirement will be fulfilled if he has completed at an accredited institution the equivalent of two years of that language at the college level with marks high enough to make the work acceptable toward the Colby degree. (See note on page 32 regarding election of language courses.)

(4) For a foreign student whose native language is not English, knowledge of his native language will be recognized as 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* semester courses in each of the areas (described in III below) into which the student's major does not fall.
- (1) Not more than two semester courses in any one subject may be counted toward the requirement in any one area. Combined subjects listed in the areas in III *below* (such as philosophy and religion) are here considered to be one subject.
 - (2) Among the social sciences no more than two semester courses at the 100-level may be counted toward the requirement.
 - (3) Among the sciences at least two of the semester courses must involve laboratory, and the four must be chosen from no more than three subjects.
 - (4) English 222, required for all students, counts as one semester course toward the humanities requirement.
 - (5) Students enrolled in combined majors which overlap two areas (for example: philosophy-mathematics) must satisfy area requirements in all three areas: humanities, sciences, and social sciences.
- B. Students admitted to the course in creative thinking (Humanities 101-102) and who pass it with a grade of *B* or better may be exempted from any two terms of any area requirement.
- C. Courses in aerospace studies which have alternate designations in other departments (as indicated in course-descriptions) fulfill the same area requirements as the designated courses.

III AREAS:

A. HUMANITIES

Art

Music

Classics

English (except for 121, 122, 221, 131d, and 253)

Modern Languages (except 101, 102, 103, 104 courses)
 Philosophy and Religion (certain courses: Religion 213,
 214; 314, 315; Philosophy 314, 318, 372 and *Indian
 Thought*)

B. SCIENCES

Biology
 Chemistry
 Geology
 Mathematics
 Physics and Astronomy

C. SOCIAL SCIENCES

Business Administration
 Economics
 Education
 Government
 History
 Philosophy and Religion (except courses listed among
 the humanities)
 Psychology
 Social Science 121, 122
 Sociology

RESIDENCE Candidates for the degree must have completed twenty semester courses at Colby, and must have been resident students at Colby for at least two years. One of these must be the senior year.

EXEMPTION BY EXAMINATION When appropriate, either all college or area 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 requirements for graduation if he still needs more than one-half of the total number of course credits required for graduation. If he still needs not more than one-half of the total number he may meet either the new requirement or that in effect when he first enrolled.

MAJOR

Near the end of the freshman year each student elects a tentative major in which he wishes to concentrate. The major may be chosen in a single subject or in one of a number of designated combinations. At the end of the sophomore year the student confirms the tentative major as permanent or elects a different one.

The respective academic departments specify the courses constituting a major in each department. Before selecting a major the student should acquaint himself thoroughly with the requirements detailed in the section on *Divisions, Departments and Courses of Study* (page 67 ff.).

Three-fifths of a student's program in the 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 loses his right to continue with that major. The required scale is as follows: first two semester courses, 3 points; 2 points for each semester course thereafter.

Each department designates the courses to which the point-scale applies for a major in that department. A student below the point-scale may, with the consent of the department concerned, be accepted or retained for one semester as a probationary major.

A student may change his major at the end of the junior year if he has completed, with the required points, the equivalent of two year courses toward the fulfillment of the new major. If, at the end of his 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 is not fulfilled and the degree cannot be awarded.

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 are offered:

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

COMPREHENSIVE EXAMINATION IN MAJOR

Each senior takes a comprehensive examination in his major field toward the end of the final semester. The length of the examination is at least six hours. At the discretion of the department, part of this may be oral. The examination is graded honors, pass or fail. Students who fail 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 an agreed time in January.

READING PERIOD

During the two weeks preceding the final examinations at the close of the second semester, a special reading period is scheduled for many courses numbered in the 300's and 400's. Not a time for review, this period frees the student from the routine of class meetings so that he may devote full time to independent study of freshly assigned reading or laboratory work. Although classes do not meet, instructors are available for consultation. Reading period assignments are tested in the final examinations to a maximum of one third of the examination time.

Whether to have a reading period is decided by each instructor, who informs students whether classes are to continue meeting during the two weeks. Reading periods are not held in courses exempted from final examinations.

**JANUARY PROGRAM OF
INDEPENDENT STUDY**

In the academic year 1961-62 Colby introduced an educational experiment with its *January Program of Independent Study*. The work of the first semester takes place entirely between Labor Day and the beginning of Christmas vacation, and January is devoted to work distinct from the formal course of study of the first and second semesters.

To freshmen and sophomores various programs are offered. Methods of conducting these programs differ from instructor to instructor, but each student works 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, he may pursue his thoughts and researches single-mindedly, or at least with a minimum of interference. Every attempt is made to assign students in accordance with their choices from among the topics or problems available.

The program for juniors and seniors is directed by the major departments but emphasis remains on the basic unity of each student's program.

This is, in effect, not one experiment but many. Individual departments and instructors have a free hand to explore types of programs and methods of presentation.

Work carried out in January is graded honors, pass or fail. Each student must participate successfully in the January Program to be eligible for graduation.

SENIOR SCHOLARS

A limited number of Senior Scholars, selected by a faculty committee, devote a major part of their time to approved scholarly subjects. Each Senior Scholar pursues this work under the guidance of a faculty member, and to allow sufficient time for it he or she may be excused from either two or three of the usual number of five courses as the committee shall determine.

JUNIOR YEAR ABROAD

Permission to study abroad during the junior year, either under such programs as those of Sweet Briar, Hamilton and Smith Colleges or under an independent plan, rests with the committee on foreign students and foreign study. Students must apply, 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 high enough 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 at the other institution. The only major added expense is for travel. A similar exchange program has been established with Robert College, Istanbul, Turkey. Ordinarily exchanges are arranged for a single semester of the junior year. Students may obtain further information from the dean of men or the dean of women.

FOREIGN STUDENTS

Colby has traditionally encouraged the enrollment of students from other countries, and is actively engaged in programs of international cooperation and exchange. Colby is a participant college in both the African Scholarship Program of American Universities and the Latin American Scholarship Program of American Universities.

Students from foreign countries who do not require financial aid should apply to the Dean of Admissions.

All financial aid to foreign students is granted only to students who have been processed and recommended by one of the above mentioned organizations, or by the Institute of International Education in New York City. All

candidates for financial aid not eligible to participate in one of the previously described programs should apply to the nearest representative of the Institute of International Education. At the time of application the student should request that his completed papers be forwarded to Colby College.

REGISTRATION

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

No student will be permitted to register later than the seventh class day of the semester, unless the dean of men or the dean of women certifies in writing that exceptional circumstances justify such action.

Before registration for any year, each student must secure from the treasurer's office a receipt for the tuition fee and any other required advance payments, and must present these at the registrar's office.

The treasurer is not authorized to permit deferred payment of any fees that the board of trustees requires to be paid in advance of registration. It is important that students understand the distinction between payment of fees and registration. Each student must complete the financial procedures specified by the treasurer before he can register.

ELECTION OF COURSES

Each spring, with the approval of their advisers, students 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 registrar; credit will be suspended for work in a course for which a student is not correctly registered. A continuing student registering in the fall is fined two dollars per course if he fails to make spring election.

With the approval of the adviser, voluntary changes in a student's program may be made during the first five class 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 fifth day no students are permitted voluntarily to change from one course or section to another.

Changes of section, within a course, must be approved by the department or course chairman.

A student whose over-all average in all courses taken in the previous semester is at least nine points in five courses may, with the consent of his adviser, elect one, but only one, course in excess of the usual five. The only exception is that a student who, by this rule, would not be eligible, but who must have the extra course to complete his degree requirements, may elect a sixth course in one semester of his senior year, but not in both semesters.

AUDITING COURSES

Colby students may register to audit courses (not for credit) by obtaining written consent of the instructor and their adviser. They are not charged an auditing fee.

Adults who are not students of the college may register to audit courses at a fee of five dollars each semester for each course, provided they obtain written consent of the instructor and of the dean of the faculty. Members of the college staff and their families may register to audit courses, and take for credit one course, without charge. Permission to audit will 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. For this reason, auditing is seldom permitted in courses where the method of instruction involves significant individual attention and criticism. Under no circumstances can academic credit be given an auditor, nor can he later convert an audited course into an accredited course merely

by paying the regular course fee. The decision whether the course is to be audited or taken for credit must be made at entry.

EXAMINATIONS

At the close of each semester a period of days is set aside for examinations in all courses except those which the committee on examinations has specifically exempted. The time and place of semester examinations are fixed by the registrar. The mark for the examination may constitute up to half of the total course mark.

No student may be excused from any semester examination, except for illness or emergency so grave as to justify excuse in the judgment of the dean of men or dean of women. An excused student may be examined at a later date convenient to the instructor. Under no circumstances may a student be permitted to take a semester examination earlier than the date on which it is scheduled. A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

With the consent of the dean of men or dean of women a student may for unusual reason accept, in lieu of semester examination, a mark for the course equal to 75 per cent of his average without examination. Because this procedure is costly in reduction of final mark few request it.

Hour examinations and shorter quizzes are given as the individual instructor decides. Short quizzes may be scheduled 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 refer the case to the dean of men or the dean of women for more drastic action.

ACADEMIC STANDING

A student's class standing is determined by the number of semester courses he has passed. Freshman standing, fewer than eight semester 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 mid-semester warnings through the registrar's office. A major warning means that a student's standing at that time is below passing; a minor warning that, though passing, standing is so low that 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 registrar. In practice a student often obtains his mark directly from the instructor, but the only official record is that in the registrar's office. At the time of mid-semester warnings the deans of men and women ask instructors for an informal estimate of the standing of freshmen in order to review their progress. Mid-semester statements are not official marks and are not recorded.

In a course designated as a year course, the tentative mark, showing progress at the end of the first semester, carries no credit toward graduation. For such year courses no credit is given until the completion of the full year's work. A student who has failed a year course may not secure credit by repeating merely the second semester even if his tentative mark at the end of the first semester is passing; he must repeat the entire year to obtain credit.

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

A mark of *E* is given only in specifically designated first semester courses. The mark *E* signifies temporary failure which may be made up by improved work in the sequentially related course during the second semester. Passing 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. A mark of *Inc.* indicates a course not finished for some reason other than failure to take the

final examinations. Grades of *Abs.* or *Inc.* must be made up within limits set by the instructor, and not later than the seventh class day of the succeeding semester. After this date any remaining mark of *Abs.* or *Inc.* will be changed to an *F*. The student deans may give limited extensions for the completion of work without penalty, but only for excuses similar to those acceptable for missing a final examination (page 24).

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

Marks of *W* and *W/F* indicate withdrawal from course. During a semester a student may withdraw from a course and receive a mark of *W* provided both his adviser and dean consent. If the adviser and dean consent to the withdrawal but agree, after consultation with the instructor, that the course must be considered to have been taken and failed, the mark shall be *W/F*. For abandoning a course without permission the student shall receive an *F*.

A course dropped after receipt of a major mid-semester warning, or within thirty calendar days before the last class, shall necessitate a mark of *F* instead of *W/F*.

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

When a student's academic record is seriously deficient, the decision to retain or dismiss him from college is made by the committee on standing. The faculty has endowed this committee with full power to deal with these matters.

WITHDRAWAL

Voluntary withdrawal from the college may be effected officially by filing with the registrar a *notice of withdrawal* properly approved by the treasurer and the dean; the official form may be obtained from the dean. The date on the official *notice of withdrawal* is the basis for computing

any refunds which may be due. A student who leaves the college and neglects to effect official withdrawal until later cannot collect a refund for the elapsed interval.

TRANSFERRED CREDITS

Courses taken at other institutions may be credited toward the Colby degree under the conditions and circumstances listed below. Two quality points are credited toward the graduation requirement for each semester course thus accepted.

(1) When students are admitted by transfer their records are tentatively evaluated by the dean of admissions to determine the transferable equivalent in Colby courses. These courses are credited subject to confirmation through satisfactory progress at Colby College.

(2) With prior permission, granted by the dean of men or dean of women on their receipt of appropriate recommendations from academic advisers, students enrolled in the college may receive credit for work in Junior Year Abroad programs, in the Fisk Exchange semester, or in approved summer school courses. No student may receive credit toward graduation for more than four semester courses taken in summer school for the purpose of making up deficiencies.

(3) When a student who has been dropped from the college applies for readmission, courses taken during the period of separation are examined for transferable credit on the same basis as courses presented by new transfer students.

SELECTIVE SERVICE EXAMINATION

The selective service system uses these examinations to help determine whether the student will obtain permission to remain in college. Examinations are given at the college on dates fixed by selective service; the dean of men is the officer in charge.

The Library

The liberal arts college is a reading college, therefore the library must play an integral part in the academic program. The Miller Library, which is centrally located on the campus, furnishes the facilities and materials necessary for reference, research and independent study. Its reading rooms and individual carrels provide ideal working conditions for more than one-third of the student enrollment.

The open stack system allows the students to browse through a collection of over 245,000 volumes. A periodical collection consisting of over 700 current journals is supplemented by the publications of the United States Government and the United Nations.

Special collections of first editions and manuscripts in the Colby Library have achieved international distinction. The Thomas Hardy collection is considered to be one of the most extensive in the United States. Other authors represented include A. E. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather and Mary Ellen Chase. These are housed in the Edwin Arlington Robinson Memorial Room, named in honor of the great Maine poet, whose books, manuscripts and personal papers are also located here. The James Augustine Healy Collection of Modern Irish Literature includes numerous inscribed copies, manuscripts and autographed letters of William Butler Yeats, Sean O'Casey, James Joyce and many others.

The Colby Library Associates is an organization of friends of the library which holds regular meetings with programs devoted to literary topics. Membership dues are used to purchase unusually expensive books and materials for the library.

THE COLBY LIBRARY QUARTERLY, established in 1943, contains informational reports and scholarly articles on the collections and other literary-historical matters.

Admission

Acceptance of candidates follows a selective process. The academic record of an applicant, the degree to which he has demonstrated intellectual curiosity, and evidence of his motivation are of primary significance; also important are his health, character, and personality. Colby is interested in candidates of academic ability who have demonstrated interest and participation beyond the routine scope of their studies. The admissions policy does not include consideration of an applicant's race, religion, or national origin.

The quality of a candidate's preparation is judged by his school record, the recommendations of his school authorities, and scores on tests administered by the College Entrance Examination Board.

Sixteen units are required: English (4); foreign language (2); college preparatory mathematics (3); history or social studies (1); science (laboratory) (1); elective (5).

COLLEGE BOARD TESTS

All candidates are required to submit the results of the *Scholastic Aptitude Test* and three *Achievement Tests* of the College Entrance Examination Board. The *Scholastic Aptitude Test* should be taken in December or January of the senior year. The *Achievement Tests*, which should include *English Composition* and two others of the candidate's choice, should be taken no later than January of the senior year. The *Writing Sample* is not required. Applicants are strongly encouraged to take an *Achievement Test*, including *listening comprehension* (if available), in the foreign language in which they expect to continue at Colby.

The CEEB tests are given at centers in the United States and foreign countries. Application for tests may be made to the College Entrance Examination Board, P.O. BOX 592, Princeton, New Jersey, 08540, or P.O. BOX 1025, Berkeley 1, California 94701.

ADVANCED STANDING

Colby subscribes to the program of the College Entrance Examination Board providing academic credit for students qualified for advanced standing. Those interested must take CEEB *Advanced Placement Tests* and have them submitted to Colby College for evaluation.

ADMISSION PROCEDURE

1. Application is made to the dean of admissions. A non-refundable \$15 fee is required and a check or money order in this amount should be returned with the application.
2. Colby will grant *early decision* to well-qualified candidates under certain circumstances. These involve submission of regular application papers and junior SAT's prior to December 1 of the senior year; inclusion of a statement at the time of application that Colby College is the student's first choice, that *early decision* is requested and other applications will be withdrawn if *early decision* acceptance is granted; counter signature on the letter by guidance counselor, principal or headmaster. Candidates who are accepted are expected to complete senior SAT and achievement requirements, and are notified of financial aid decisions at the same time they receive notification of acceptance if the College Scholarship Service forms have been received.

Candidates accepted for *early decision*, like other accepted candidates, must maintain satisfactory grades throughout the senior year.

3. Interviews are not normally required and are not a part of the selective process. Applicants who have not visited the campus are encouraged to do so, and campus guides are available week days and on Saturday mornings when the college is in session. Opportunity to meet with representatives of the admission office is available (generally in a small group) except during February, March, and the first two weeks of April. Individual appointments will be made upon request, except during

the period noted above, and these should be scheduled well in advance. The college will arrange interviews with alumni for applicants living some distance from Waterville.

4. The schedule for admission applicants is as follows:

November 30 – deadline for filing for *early decision* and for financial aid for *early decision* applicants.

February 1 – deadline for filing applications for regular admission and for financial aid.

Mid-April – notification by admissions committee to regular applicants.

May 2 – regularly accepted applicants must confirm intention to attend Colby by payment of a non-refundable advance tuition deposit of \$50.

PLACEMENT IN
FOREIGN LANGUAGES

If a student offers a foreign language for entrance credit and wishes to continue it in college he must take a placement test. If he presents two or more units of the language for entrance credit, continuation must be in a course numbered above the 101, 102 level. Should his placement test or his performance show him unqualified for this level he must repeat the language at the elementary level without credit or elect a different language.

An exception is made for students of Latin. Those with not more than two years of the language, all completed prior to the last two years of secondary school may, with the approval of the department chairman, take elementary college Latin for credit.

PLACEMENT IN
MATHEMATICS

Students who have taken analytic geometry in secondary school may, upon passing the placement examination in mathematics offered during the freshman orientation period, enter Mathematics 112d without other prerequisite.

**TRANSFER STUDENTS/
VETERANS**

Admission by transfer from another college is limited to a few selected students with satisfactory academic and personal records.

The prospective transfer student should write to the dean of admissions, Colby College, stating his reasons for applying. A regular application form will be sent to be completed and returned with the \$15 application fee. The student should ask his former college to send the dean an official transcript of grades, a copy of the college catalog, and a letter from his dean recommending the transfer.

Transfer students should also ask the College Entrance Examination Board to transmit results of any tests to the Colby dean of admissions. *Scholastic Aptitude Test* scores are required for all transfer students.

If a veteran intends to request advanced standing based on completion of service schools or USAFI courses, any request for such credit must be made in advance of matriculation. Credits usually apply only to freshman courses. Once a veteran has begun a regular program it is too late to apply for service credits.

SPECIAL STUDENTS

Subject to limitation of enrollment in individual courses and the consent of the instructors, the college permits adults 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 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 levels of speed and comprehension in reading. Those whose ability is deficient are offered assistance in a developmental reading program.

**ORIENTATION
FOR FRESHMEN**

Freshmen arrive at the college early to participate in an orientation program during which meetings are arranged with advisers, officials of the college, and representatives of student groups. Tests are given to determine placement in languages and in mathematics and to measure simple speed and comprehension in reading.

Social events are interspersed, and a faculty symposium on the topic of the freshman summer reading program initiates the intellectual life of the fall semester.

HEALTH CERTIFICATE

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. Procedures to be followed will be outlined in letters from the dean of men or the dean of women.

Fees and Financial Aid

ANNUAL STUDENT CHARGES FOR 1965-1966	Tuition	\$1,750
	Room	350
	Board	550
	General Fee ¹	100
		<u>\$2,750</u>

CALENDAR OF PAYMENTS 1965-1966	<i>Upon filing of application</i>	Application deposit	\$ 15
	<i>Upon acceptance for admission</i>	Admission deposit—freshmen ²	50
	<i>August 1</i>	Tuition deposit—upperclassmen ²	200

FIRST SEMESTER	<i>On or before September 1</i>	Tuition	\$ 875
		Room	175
		Board	275
		General Fee ¹	100
			<u>\$1,425</u>

December 1 Semester bill and miscellaneous items (pages 38, 39)

SECOND SEMESTER	<i>On or before January 20</i>	Tuition	\$ 875
		Room	175
		Board	275
			<u>\$1,325</u>

April 1 Semester bill and miscellaneous items

April 15 Room deposit for following year \$50

¹Includes sickness and accident insurance and student activities fee.

²Applicable toward tuition payment.

**FEES AND CHARGES
EXPLAINED**

DEPOSITS

No formal bills are issued for the following items:

Application deposit: a non-refundable application fee of \$15 must accompany each application for admission.

Admission deposit: non-refundable deposit of \$50 due on or before the date for confirmation of intention to attend (page 32). This deposit is later credited toward tuition due prior to registration.

Tuition deposit: non-refundable deposit of \$200 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 \$50 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.

ADVANCED PAYMENTS

Tuition: the tuition charge is \$875 per semester for a five course program. The semester per course charge is \$175. Tuition must be paid prior to registration for each semester.

Room: room in college dormitories is charged at the rate of \$175 each semester payable prior to registration for each semester. Students are expected to occupy college housing facilities to the full extent of their availability. Other arrangements may be made only with the specific approval of the dean of men or the dean of women. Dormitory reservations are made through the offices of the deans.

Board: Board in college dining halls is charged at the rate of \$275 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. Upperclass 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: The 32-bed Sherman M. Perry Infirmary in Roberts Union is maintained under direction of the college physician and staffed by registered nurses. Free service in the infirmary is restricted to two weeks in any college year. Students are entitled without extra charge, however, to an unlimited number of visits to daily sick call at the dispensary. There is no additional charge for infirmary meals for students regularly boarding on campus except when special diets are required.

Students are charged three dollars per day for infirmary care beyond the two-week free period. Infirmary meals are three dollars per day for non-boarding students.

The college limits its responsibility to illness 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 the fees. Surgeons and other specialists are available at nearby Thayer Hospital.

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 for twelve months must be paid in advance of first semester registration and is included in a *general fee* of \$100. 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. This fee finances various student activities, and is payable prior to first semester registration except for students in attendance for the second semester only who are assessed proportionately. This fee is compulsory with no items deductible. Student organizations supported by the fee and the amount may vary from year to year; the fee is included in the *general fee* of \$100.

SEMESTER BILL Charges for miscellaneous items not due prior to registration are included on semester bills due December 1 and April 1. 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 five is \$175 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 and grounds.

Students enrolled in chemistry courses 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; any unused balance is refunded at the end of the year.

All men students living in college dormitories must pay a \$10 deposit which is 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 pro-rated 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.

A 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 AFROTC 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.

Students may have official transcripts mailed to other institutions, prospective employers, or other authorized agencies by completing the *Transcript Request Form* available at the Registrar's Office. The fee for this service is one dollar for each transcript after the first. Official college transcripts are not delivered to students. A student may have an unofficial transcript upon request in the usual manner. The same regulations and fee apply.

PAYMENT OF BILLS Tuition, room, board, and general 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 may be made of the balance of a student's account in excess of charges. Tuition and room rent is charged according to the following schedule:

During first two weeks of classes	20% charged
During third week of classes	40% charged
During fourth week of classes	60% charged
During fifth week of classes	80% charged
Thereafter	100% charged

Board is charged at the rate of \$15.50 per full or partial week. No reduction is made for periods shorter than a full week.

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 is proud of 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 the amount of \$650,000 is distributed annually in scholarships, Woodman Grants, employment, and loans. The amount in the first two categories represents the income from invested funds provided throughout Colby's history by alumni, friends, foundations and organizations. Scholarships are the basis for financial assistance, but cannot be expected to meet the full cost of a college education. Many supplement them with loans. Those who hold scholarships in excess of \$1,000 are expected to accept employment at the college. In all cases, the amount of assistance depends on financial need.

- FRESHMAN SCHOLARSHIPS** Approximately sixty scholarships are awarded annually to freshmen whose records indicate ability 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 P.O. 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 must be made each year to the dean of men or dean of women on or before April 15.
- LOANS** Colby, with a majority of institutions of higher learning, believes one of the best ways of meeting the costs of higher education is through increased use of student loans. A fund for this purpose is administered by the college. Student loans are also available under terms of Title II of the National Defense Education Act. Information may be obtained from the office of the administrative vice president.
- 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 remission of half tuition to sons or daughters of ordained Baptist ministers who 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 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 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 and administrative 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, dry cleaning establishments and other agencies.

PLACEMENT The director of placement maintains a personal file for 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. The director of placement is available for consultation and guidance on occupational matters throughout the student's college career.

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 a worship service is held with the college choir and a sermon by the chaplain or a visiting theologian.

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 (United Protestant), Roger Williams Fellowship (Baptist), Student Religious Liberals (Unitarian-Universalist), Canterbury Club (Episcopal), and the Christian Science Organization. Roman Catholics have the Newman Club, and Jewish students have Hillel.

A notable event of the year is Religious Convocation when the Interfaith Association brings to the campus prominent religious leaders who live in the student houses. In 1965 the topic of the convocation was the question: *Should the Faith of our Fathers be the Faith of our Children?* Its purpose was to consider what contributions can still be made by the traditional religious faiths to contemporary society. Dr. Morris N. Kertzer and The Rev. John J. Grant were the speakers. They were joined by six other visiting theologians in leading discussions of the question.

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

LECTURES

Throughout the year, lectures and concerts bring outstanding scholars, musicians, and artists to the campus. There are three lecture series—the Guy P. Gannett, Gabrielson and Ingraham—in addition to speakers invited by the Friends of Art at Colby, by student organizations, and by learned societies. The Gannett Lectures are devoted to general scholarly subjects; the Gabrielson Lectures, on certain Thursdays 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: the Lovejoy Convocation, honoring prominent newspapermen (in 1964, John Hay Whitney, editor and publisher of *The New York Herald Tribune*); Recognition Assembly; and Religious Convocation.

Among lecturers in 1964-65 were: Arthur E. Sutherland, Harry Kalven, Jr., August Heckscher, Wilber Katz, Russell Kirk, Michael Harrington, Henry N. Wieman, Stuart Hampshire, David McCord, Louis Osborne Coxe, Ralph J. Bunche, Douglas V. Steere, George C. Stern, Alexander Craig, J. Seelye Bixler, Plamthodathil Jacob, Roy Pearson, Rabbi Roland B. Gittelsohn, Robert H. Hamill, Ernest J. Simmons, Burdick W. Pierce, Edmund S. Muskie, Barbara Miller Solomon, Betty Friedan, Denise Levertov, Jackson H. Bailey, David B. Walker, Joseph R. Washington, Jr., Gearoid O. Clerigh, Leo Steinberg, Edward J. Gurney, Russell M. Church, and Frank D. Drake. The Commencement speaker was United Nations Secretary-General U Thant.

MUSIC

Musical organizations which offer opportunities in serious vocal and instrumental music are the Colby Community Symphony Orchestra, the Glee Club, Concert Choir, and the Colby College Band. These are under faculty direction and carry academic credits (page 121). There are also informal groups for those interested in lighter vocal music: the Colby Eight (men), the Colbyettes (women), and the Colby Folk Song Society. Recitals are presented on the Walcker organ in Lorimer Chapel.

Concerts are given by Colby's own musical groups as well as visiting performers. The Colby Music Associates offer an annual series which, in the past year, consisted of Grant Johannesen, Helen Boatwright, and the Galimir Quartet. Student Government brought harpsichordist Peter Wolf, the Newport Jazz Festival and presented several students in recital.

The college also sponsored Jose Limon and His Dance Company, pianist Stephen Manes and the Carnegie String Quartet. A joint band festival was held with Dartmouth College and the Colby Community Symphony Orchestra combined with the Southern Connecticut State College Symphony for a concert. The Glee Club, Waterville Area Community Chorus, and symphony orchestra presented Handel's *Dettingen Te Deum* and Poulenc's *Gloria*.

ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions featuring selections from the college's permanent collection as well as original and travelling shows are shown in the Jetté Gallery. Special collections are the Harold T. Pulsifer Collection of Winslow Homer, the Bernat Collection of Oriental Ceramics and Bronzes, the Adelaide Pearson Collection, The American Heritage Collection, and the Helen Warren and Willard Howe Cummings Collection of American Art. The permanent collection features European and American painting, sculpture and graphic art.

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year. The organization has been instrumental in gaining acquisitions for the permanent collection.

Among the exhibitions shown during 1964-65 were: *A Museum Looks to the Future*; Photography by Walker Evans, Lucian Clergue, and Yashuhiro Ishimoto; German Expressionist Books and Prints; Retrospective Exhibition of Waldo Peirce; *The Land and The Sea of Five Maine*

Artists; Student Exhibition; Maine Craftsmen; and selections from the permanent collection. In the summer of 1965, the first major exhibition in America of Icelandic art opened in the Jetté Gallery.

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. Students not only act in plays, but direct, build scenery and supervise staging and lighting. An original one act play contest is sponsored annually. The college offers, in alternate years, a credit course in *The Development of the Theatre*. The 1964-65 Powder and Wig repertoire included: *The House of Bernarda Alba* (Lorca); *Corruption in the Palace of Justice* (Betti); *Oh Dad, Poor Dad, Mama's Hung You in the Closet and I'm Feelin' So Sad* (Kopit); *A Man for All Seasons* (Bolt). In addition Emlyn Williams appeared as Charles Dickens and the modern language department sponsored the Tréteau de Paris in Claudel's *L'Annonce Faite à Marie*.

SPEECH AND DEBATE

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

BOOK OF THE YEAR

Each spring a committee of faculty and students selects a distinctive book of the year 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; *Civilization and its Discontents* by Sigmund Freud; *From Death-Camp to Existentialism* by Viktor Frankl, *Alice's Adventures in Wonderland* and *Through the Looking Glass* by Lewis Carroll, *Autobiography of Montaigne*, *Notes of a Native Son* by James Baldwin, and *The Divine Comedy* by Dante Aligheri.

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. 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 Alpha Upsilon (local, formerly Delta Delta Delta) and Alpha Delta Pi.

The board of trustees has voted that fraternities and sororities, prior to October 1965, "must satisfy the board that they have the right to select their members without regard to race, religion or national origin." The societies must meet this requirement to remain active at Colby, either as national affiliates or local groups.

STUDENT ORGANIZATIONS

There are over fifty student organizations active on the campus. Some of these are oriented toward religious affiliation (page 43), others are educational in nature. Among the latter are the various foreign language clubs — French, Spanish, and German; the educational societies: Chi Epsilon Mu (chemistry), Delta Phi Alpha (German), Phi Sigma Iota (French) and Sigma Pi Sigma (physics); and the Forensic Society, John Marshall Society, Society of Social Relations, and the college publications: the weekly newspaper, *The Echo*; the yearbook, *The Oracle*; and literary publications: *Introductions*, *Anabasis*, and various student writings.

Service organizations include Blue Key, Cap and Gown, Campus Chest, Men's and Women's Judiciary Committees, Pan-Hellenic and Inter-Fraternity Councils, and the Women's Student League.

Among the remaining groups of primarily student character are the Arnold Air Society, Camera Club, Chess Club, Folk Song Society, Film Direction, Colby Graphic Arts Workshop, Modern Dance Club, and Ski Council.

Other societies and clubs are described in this section of the catalogue under their appropriate headings.

In addition, each class acts as an organization, with elected officials. Overseeing student activities is the Student Government, which plays an important and integral part in the life of the college.

GENERAL REGULATIONS

Rules concerning student residence, organizations, social activities and intercollegiate athletics are published in the *Student Government Handbook* and *Women's Handbook*. All students are held responsible for knowledge of these regulations as well as for those in the annual catalogue.

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 A. 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. Each instructor explains at the first meeting of every semester what constitutes unsatisfactory attendance in his class. Any student whose attendance the instructor judges to be unsatisfactory is warned by the dean. Flagrant repetitions may lead to dismissal from the course, without credit.

B. Official excuses for absence are granted only by the dean of men or the dean of women, and only for: (a) critical emergencies, (b) athletic or other organizational trips or (c) illness certified by the college physician or his authorized representative.

Medical excuses are issued only to students who fall within one of four classifications:

- i. Those confined to the college infirmary or hospital because of illness or surgery.
- ii. Students treated by the medical staff at the dispensary, infirmary, or hospital.
- iii. Students visited by the college physician in dormitories or other places of residence.
- iv. Women students excused by their head resident because of illness for no longer than a 24-hour period.

Medical excuses are not granted on a retroactive basis unless one of these classifications is satisfied.

C. Any student absent, without official excuse, from his last class meeting before a vacation or his first class meeting after a vacation is fined \$25. The word vacation is interpreted to mean the Thanksgiving recess and the spring recess, but not single holidays. This vacation cut rule also applies to absences from meetings scheduled during the first two days of the January Program.

- d. Absences caused by exclusion from classes because of non-payment of college bills are treated in the same manner as other absences, except that the appropriate dean has the authority to issue an official excuse when convinced that no fault lies with the student.
- e. No student on academic probation may be excused from any class because of extracurricular or athletic activities.

BEHAVIOR Responsibility for behavior is borne by the individual. This is true of all phases of campus life, including academic integrity, relationships between students, adherence to college regulations, and 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 is questioned, 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. All motor vehicles used at the college by students or staff must be registered at the office of the superintendent of buildings and grounds. Failure to register a vehicle, or failure to comply with the college's traffic regulations, may lead to a fine or other penalty.

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 obtain 155 points in 40 courses, or 150 points in 40 courses and honors in the comprehensive examination; *magna cum laude* to those with 145 points in 40 courses, or 140 points and honors in the comprehensive examination; *cum laude* to those with 135 points in 40 courses, or 130 points and honors in 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 the department. In order to be eligible for recommendation 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 honor. 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.

At Recognition Assembly, each spring, the entire college convenes to hear a guest speaker and to bestow awards on students who have earned honors. Among those recognized are: newly elected members of Phi Beta Kappa; Senior Scholars for the ensuing year; Bixler Scholars; winners of college prizes; the recipient of the Condon Medal; newly elected members of Blue Key and Cap and Gown, honor

societies for senior men and senior women respectively; and recipients of Phi Beta Kappa certificates, awarded to members of the three lower classes for distinction in scholarship.

Academic excellence is also recognized by the designation as Bixler Scholars of a few top-ranking students who have demonstrated fulfillment of outstanding scholarly ability.

Other honors recognizing high academic standing are 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 upper-classmen, fifteen points for freshmen, and the Senior Scholars program (see page 21).

COLLEGE PRIZES

- GENERAL** *American Association of University Women's Membership Award.* Membership for one year in the AAUW is awarded by the State of Maine Division to a senior woman of outstanding scholarship, citizenship, and campus leadership.
Awarded in 1965 to BARBARA ROSS HOWARD '65
- Frederick F. Brewster Honor Scholarship.* Established in memory of Frederick F. Brewster, of New Haven, Connecticut.
Awarded in 1965 to RICHARD WHITTIER HUNNEWELL '67
- Bixler Bowl Award.* Awarded to that fraternity which has, as a group, contributed most constructively to the over-all work of the college program.
Awarded in 1965 to LAMBDA CHI ALPHA
- Bixler Scholarships.* Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

Awarded in 1965 to CONSTANCE DAY '66; WILLIAM MICHAEL DOLL '66; WILLIAM MICHAEL FRALEY '66; ABOU DRAMANE SYLLA '66; DONNA GALE LUMPKIN '67; ROBERTA LEE STOCKWELL '67; NANCY JANE WILCOX '67; ANNA HUNTINGTON GIDEON '68; SALLY JO JONES '68; HETHIE LOIS SHORES '68; RICHARD FRANK SAMSON '68.

Josephine Bodurtha Gagnon Scholarship. Awarded annually by the Alpha Delta Chapter of Alpha Delta Pi sorority in memory of Josephine Bodurtha Gagnon, 1938, on the basis of financial need, scholarship, and campus leadership.

Awarded in 1965 to ROBERTA LEE STOCKWELL '67

Colby Library Associates Book Prize. Books of the student's choice awarded to the senior with the best personal library collected during his undergraduate years.

Awarded in 1965 to EDWARD NORMAN DUKES '65

Condon Medal. Gift of the late Randall J. Condon, 1886, awarded to the senior, who by vote of his classmates and approval by the faculty, is deemed "to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life."

Awarded in 1965 to STARBUCK SMITH III '65

Charles A. Dana Scholarships. Available to qualified sophomores, juniors and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits during the freshman year. Each year approximately twenty new Dana Scholars are selected. The first Dana Scholars at Colby will be announced in the fall of 1965. These scholarships are among the highest honors which are awarded to students.

Delta Alpha Upsilon Scholarships. Given by sorority to undergraduate women for well-defined educational objectives and outstanding campus leadership.

Awarded in 1965 to CAROL LENOX BEERS '67; LINDA ANN BELAND '68

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

Awarded in 1964 to DIANE LOUISE MASON '66

Lelia M. Forster Prizes. From the income of the Lelia M. Forster Fund, awards are made to the young man and young woman "of the preceding entering class who by their academic performance, the respect they command from their classmates, and the constructive contribution they have made to life on the campus have shown the character and ideals most likely to benefit society."

Awarded in 1965 to SUSANNE REBECCA GILMORE '68; THOMAS RICHARD RIPPON '68

Phyllis S. Fraser Scholarship. Presented by Alpha Chapter of Sigma Kappa to a Colby son or daughter, in memory of its alumna and adviser, Phyllis St. Clair Fraser, 1913.

Awarded in 1965 to EDWARD MICHAEL CAULFIELD '68

Hillel Honor Key. Presented by the B'Nai B'Rith Hillel Foundations, for outstanding leadership.

Not awarded in 1965

Donald P. Lake Award. Given in memory of Donald P. Lake, 1955, to a senior whom the Varsity "C" Club selects for outstanding scholastic achievement, athletic leadership and ability.

Awarded in 1965 to BRUCE MERLIN DAVEY '65

Michael Lester Madden Scholarship. Awarded by the Scott Paper Company in honor of Michael Lester Madden to a sophomore who has best demonstrated outstanding scholarship and leadership and participation in extra-curricular activities, the scholarship to apply in the junior and senior years.

Awarded in 1965 to CHARLES HARLOW ANDERSON '67

Sigma Theta Psi Trophy. Awarded annually by Alpha Delta Phi fraternity to the man who, at the end of his third semester of work, has the highest cumulative academic average.

Awarded in 1965 to BRUCE DAVID LOGAN '67

Ninetta M. Runnals Scholarship. (every other year) Awarded by Delta Alpha Upsilon to an undergraduate for scholastic performance, well-defined educational objectives and community participation.

Awarded in 1965 to JO ANNE MARIE RYDEL '66

Philip W. Tirabassi Memorial Award. (new) A book awarded in memory of Philip W. Tirabassi, 1959, to a junior man who has "willingly assisted his classmates, promoted the best interests of the college and maintained a superior academic average."

Awarded in 1965 to PETER JOSEPH LARDIERI '66

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

Awarded in 1965 to CONSTANCE DAVIS MIDWORTH '66

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

Awarded in 1965 to NANCY LEE JOHNSON '66

ART AND ARCHITECTURE

For excellence of workmanship and design and appropriateness to the study of the history of architecture.

Charles Hovey Pepper Prize in Art. Established by Stephen C. Pepper (hon. '50) in memory of his father who was a distinguished painter and graduate of the class of 1889. Awarded for meritorious creative work in painting and sculpture.

Awarded in 1965 to BENJAMIN DALAND SHREVE '65

The Dodge Prize. Offered by Mr. and Mrs. Donald D. Dodge of Rockport and Philadelphia, for the best model of an American building 1600-1850.

Awarded in 1965 to JAMES FREDERICK BRIGHT '67; HARRY GOLDBECK GRAFF, JR. '67; JAMES THOMAS THOMAS, JR. '67

American Institute of Architects Prizes. Offered by the Maine chapter of the Institute for distinctive architectural models made in conjunction with the history of architecture course.

Awarded in 1965 to LEONARD CHARLES PARKS '67

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 1965 to VIRGINIA COLE HENKLE '65

CLASSICS *John B. Foster Prize in Classics.* Awarded in memory of John B. Foster, 1843, Professor of Greek language and literature, for marked excellence in advanced Greek or Latin.

Awarded in 1965

Latin: TERRY ELLEN COX '65; JEAN ELIZABETH CRAIG '66

Greek: BARBARA ROSS HOWARD '65

ENGLISH *Mary Low Carver Prizes for Poetry.* Presented in memory of Mary Low Carver, 1875, the first woman graduate of the college, to a woman for an original poem of merit in the English language.

Awarded in 1965 to KAREN ANDERSEN '68; CONSTANCE DAY '66

Solomon Gallert English Prizes. Given by Mrs. Joseph L. B. Mayer in memory of Solomon Gallert, 1888, for excellence in English prose.

Awarded in 1965 to PAULA MARIE WILLEY '67; MARY BRYAN HARRISON '65

Elmira Nelson Jones Essay Prize. Awarded in memory of Elmira Nelson Jones, 1897, for an original essay of merit.

Awarded in 1965 to HARVEY JOE HYLER '65

Poetry Prizes for the Men's Division. Awarded for an original poem of merit.

Awarded in 1965 to JAMES CARMEN FORITANO '65; ARCHER ANTHONY JORDAN '68

HISTORY AND GOVERNMENT *Paul A. Fullam History Prize.* Presented in memory of Paul A. Fullam, (hon. '55), chairman of the history department, to a senior distinguished by outstanding work in history and government, the fund to provide for books of the winner's choice.

Awarded in 1965 to LESLEY NAN FORMAN '65

Edward Lampert History Prize. Awarded to a senior distinguished by excellence in history and government, a fund is provided for books of the winner's choice.
Not awarded in 1965

William J. Wilkinson History Prize. Established in memory of William J. Wilkinson, professor of history and government from 1924-1945, and awarded to the history major in the junior class who, in the judgment of that department, combines: special interest in modern European history, high average in history and government courses, personal integrity, and ability to reason critically and independently.
Awarded in 1965 to ELAINE HOWLAND FENCER '66

Departmental Prize in Government. Presented in recognition of outstanding work in the field of Government.
Awarded in 1965 to RODNEY ELLIOTT GOULD '65

MODERN LANGUAGES

French Consulate Book Prizes. Presented by the French Consulate in Boston for excellence in French.
Awarded in 1965 to ALFRED JOHN DIMAIO, JR. '65; HARRIETT FRAN HOLMES '65; CANDICE JOY WILSON '65; JANET ELAINE BROOKS '66; MARGUERITE MARY MALCOLM '66; BARBARA WISE '66; ROBERT LOUIS BROWNLEE '67

German Consulate Book Prizes. Presented by the German Consulate in Boston for excellence in German.
Awarded in 1965 to CHRISTIE JANE HIGGINBOTTOM '66; KAREN LYNN SWARD '68; ANDREW THOMAS STARKIS '68

German Prizes. Awarded for excellence in German.
Awarded in 1965 to (German Linguistics) LAURA SUSANN PEIRCE '66; EDMOND JOSEPH DERDERIAN '66; NANCY JANE WILCOX '67; (German Literature) ELIZABETH ANN FRAZER '65; JUDITH ELLEN GUPTILL '65; THOMAS HEATH HOPGOOD '67

Delta Phi Alpha German Prize. A book prize awarded by the Gamma Kappa chapter of Delta Phi Alpha for scholarship in German language and literature, and for initiative in fostering an interest in the various activities of the German club.
Awarded in 1965 to ADELE MARJORIE HODGKINS '65

MUSIC *Colby College Band Award.* Presented for outstanding qualities in leadership and exceptional interest in the college band. Awarded in 1965 to ARTHUR WOODROW BEVERIDGE '65

Alma Morrissette McPartland Award. Presented by Mrs. McPartland, class of 1907, for excellence in musical achievement such as composition, performance, scholarship or leadership in musical organizations.

Awarded in 1965 to RANDALL LECONTE HOLDEN '65

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

Awarded in 1965 to JONATHAN FREDERIC MOODY '65

Symphonic Orchestra Awards. Presented to students in the Colby Community Symphony Orchestra who have shown unusual interest and improvement.

Awarded in 1965 to JEANNE LINDA GOODINE '65; JOHN ALFRED WHEELER '65

PHILOSOPHY *Stephen C. Pepper Prize in Philosophy.* Presented to a junior or senior who has done distinguished work in philosophy; a fund is provided for books of the winner's choice.

Awarded in 1965 to ROBERT JOHN HODGE '65

PUBLIC SPEAKING AND DRAMATICS *Andrew Blodgett Award.* For excellence in dramatics, presented by Powder and Wig Society in memory of Andrew Blodgett, 1962.

Awarded in 1965 to MICHAEL DAVID WARD '65

Goodwin Public Speaking Prizes. Given by the late Mattie E. Goodwin in memory of her husband, Forrest Goodwin, 1887, for excellence in the delivery of original addresses.

Awarded in 1965 to (1st) RODNEY ELLIOTT GOULD '65
(2nd) THOMAS ALOYSIUS DONAHUE '65
(3rd) KENNETH STUART LANE '68

Hamlin Speaking Prizes. Awarded from a fund established in 1874 by Hannibal Hamlin, 1859 (Hon.) to freshmen for excellence in public speaking.

Awarded in 1965 to (1st) KENNETH STUART LANE '68
(2nd) IRA CHARLES COOKE '68
(3rd) GARY CECIL CONOVER '68

Julius and Rachael Levine Speaking Prizes. Given by Lewis Lester Levine, 1916, in memory of his father and mother, for excellence in extemporaneous address.

Awarded in 1965 to (1st) MICHAEL WARREN METCALF '68
(2nd) IRA CHARLES COOKE '68
(3rd) STUART HARVEY RAKOFF '65

Herbert Carlyle Libby Prize. Established in 1964 by Colby alumni to honor the memory of Herbert Carlyle Libby '02, professor of public speaking from 1909 to 1944. To be awarded annually for excellence in public address on the basis of a speaking contest among representatives of the four classes.

Awarded in 1965 to PETER SWARTZ '66

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

Awarded in 1965 to: (prepared) 1 JOHN O'LEARY (Cheverus High School), 2 MARK FINKS (Portland High School), 3 DOUGLAS KINDAL (Williston Academy), 4 RICHARD SCHWEID (Cushing Academy); (extemporaneous) 1 MARK FINKS, 2 JOHN O'LEARY, 3 DOUGLAS KINDAL, 4 RHAMA SCOFIELD (Rockland High School).

Murray Debating Prizes. A bequest of the late George E. Murray, 1879, a trustee of the college, providing for award of prizes for the best arguments presented at a public exhibition.

Awarded in 1965 to RODNEY ELLIOTT GOULD '65 and DAVID HILDRETH GRAY '67

NATURAL SCIENCES

American Institute of Chemists Medal. Presented by the New England Chapter of the American Institute of Chemists to a senior with "high potential for advancement of chemistry as a profession, based on a record of demonstrated leadership ability and character, with high scholastic standing."

Awarded in 1965 to DUANE CALVIN RECORD '65

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

Not awarded in 1965

The Chemical Rubber Company Prize in Physics. Presented to the student with the highest average in beginning physics.

Not awarded in 1965

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

Awarded in 1965 to LEONARD DAVID STERN '65

Mark Lederman Prize. Established by his classmates in memory of Mark Lederman '66, awarded to the senior with the highest point average who has been accepted at a school of medicine.

Awarded in 1965 to BARRY LESTER FEINBERG '65

Mark Lederman Scholarship. Established by his classmates in memory of Mark Lederman '66, awarded to the biology major who, at the end of his junior year, has best demonstrated both scholarship and financial need.

Awarded in 1965 to LAWRENCE HERBERT PIKE '66

William A. Rogers Prize in Physics. Established in memory of the late William A. Rogers, professor of physics from 1886 to 1898, awarded to a junior majoring in physics who has achieved the highest general scholastic standing.

Awarded in 1965 to PHILIP ANDREW WILEY '66

Departmental Prizes in Science. Awarded by each department to a sophomore, junior and senior, for academic distinction.

Awarded in 1965:

Biology:

ELIZABETH ARLENE STARK '65

NANCY LEE JOHNSON and THOMAS ATWOOD
EASTON '66

NANCY JANE WILCOX '67

Chemistry:

DUANE CALVIN RECORD '65

EDMOND JOSEPH DERDERIAN '66

PHYLLIS ELAINE HOAR '67

Geology:

JOHN DAVID TEWHEY '65

PHILIP ALSON SMITH '66

JEAN-JACQUES FLINT '67

Mathematics:

ROBERT MICHAEL YOUNG '65

JUDITH ANN JONES '66

DONNA GALE LUMPKIN '67

Physics:

TIMOTHY FULLER CLEGHORN '65

PHILIP ANDREW WILEY '66

JOEL WILLARD IRISH '67

SOCIAL SCIENCES

Chi Omega Prize in Social Sciences. Awarded by Chi Omega sorority to the highest ranking woman majoring in the social sciences.

Awarded in Business Administration in 1965 to VIRGINIA COLE HENKLE '65

Albion Woodbury Small Prizes. Given by the late Mrs. Lina Small Harris in memory of her father, Albion Woodbury Small, 1876, former president of Colby and professor of sociology and dean of the graduate school at the University of Chicago. The prizes are awarded for the best essays written in the department of sociology.

Awarded in 1965 to PETER EDWARD BEATUS '65; DAVID SPENCER FEARON '65; SALLY ROWLAND THOMPSON '65

ATHLETICS

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

Awarded in 1965 to BRUCE WALTER BARKER '66

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

Not awarded in 1965

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

Awarded in 1965 to WILLIAM THOMAS RYNNE '66

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

Awarded in 1965 to PETER SWARTZ '66

Gilbert F. Loeb's Award. Presented to the most valuable player on the varsity soccer team.

Awarded in 1965 to DAVID MICHAEL KELLEY '65

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 1965 to BRUCE MERLIN DAVEY '65

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

Awarded in 1964 to NORMAN EDWIN PHILLIPS '66

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

Awarded in 1965 to KENNETH ALAN ASTOR '66

Herbert E. Wadsworth Award. Given in memory of Herbert E. Wadsworth, 1892, former trustee and benefactor, to the most valuable player on the varsity football team.

Awarded in 1965 to PETER BALDWIN WAGNER '66

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

Awarded in 1965 to PETER FRANCIS WINSTANLEY '66

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 varsity athletic teams.

Awarded in 1965 to JOHN EDWARD STEVENS '65

The Campus

In 1952, Colby completed its move from a hundred-year old campus in downtown Waterville to Mayflower Hill, two miles west of the city. Today there are 32 new buildings (a 33rd is under construction) on this campus of about 1,000 acres, one of the most modern and beautiful in the nation.

The first building was *Lorimer Chapel*, center of the college's religious life. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. The instrument is of special interest because its specifications were drawn up by Albert Schweitzer. The *Rose Chapel* adjoins the main building.

At the center of the campus is *Miller Library*. The Edwin Arlington Robinson Treasure Room is in a wing of the building, where a collection of rare books and manuscripts is housed. Extensive storage stacks, general and individually-carreled study areas, and periodicals and reference rooms are a feature.

The *Keyes* and *Life Sciences* buildings provide facilities for an ever-expanding science program with special collections, museums, a seismograph, reference libraries, laboratories, and conference rooms.

The humanities and social sciences are centered in the *Elijah Parish Lovejoy* building. Here are also faculty offices, laboratories for modern languages and psychology, an auditorium, and headquarters for the ROTC program.

Administration offices are housed in the *Eustis* building.

The *Bixler Art and Music Center* has classrooms, studios, departmental libraries, auditorium, rehearsal hall, and practice and listening rooms. The college's permanent collection of paintings, sculpture and other art, and travelling exhibitions, are regularly shown in the Jette Gallery. Leading off the gallery, and out-of-doors, is the *Montague Sculpture Court*. The *Given Auditorium* is acoustically designed for musical performances and equipped to record programs stereophonically.

Mary Low, Louise Coburn, Woodman and Foss halls provide housing for women; a new dormitory, *Dana*, is scheduled for occupancy in the fall of 1965. The men's dormitories are *Averill* and *Johnson Halls*; *East Hall*, divided into three units: *Small, Champlin, and Butler*; and *West Hall*, comprised of *Robins, Chaplin and Pepper*. 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*.

In *Roberts Union* are the men's commons, rooms for staff and guests, student organization offices, coeducational lounges, dining hall and *Sherman M. Perry Infirmary*.

Ninetta F. Runnals Union houses the women's gymnasium, with stage for dramatics and lectures, meeting and recreation rooms, lounges, sorority rooms, and a modern dance studio. Resident directors are in charge of each union. Women's dining service is in the women's dormitories.

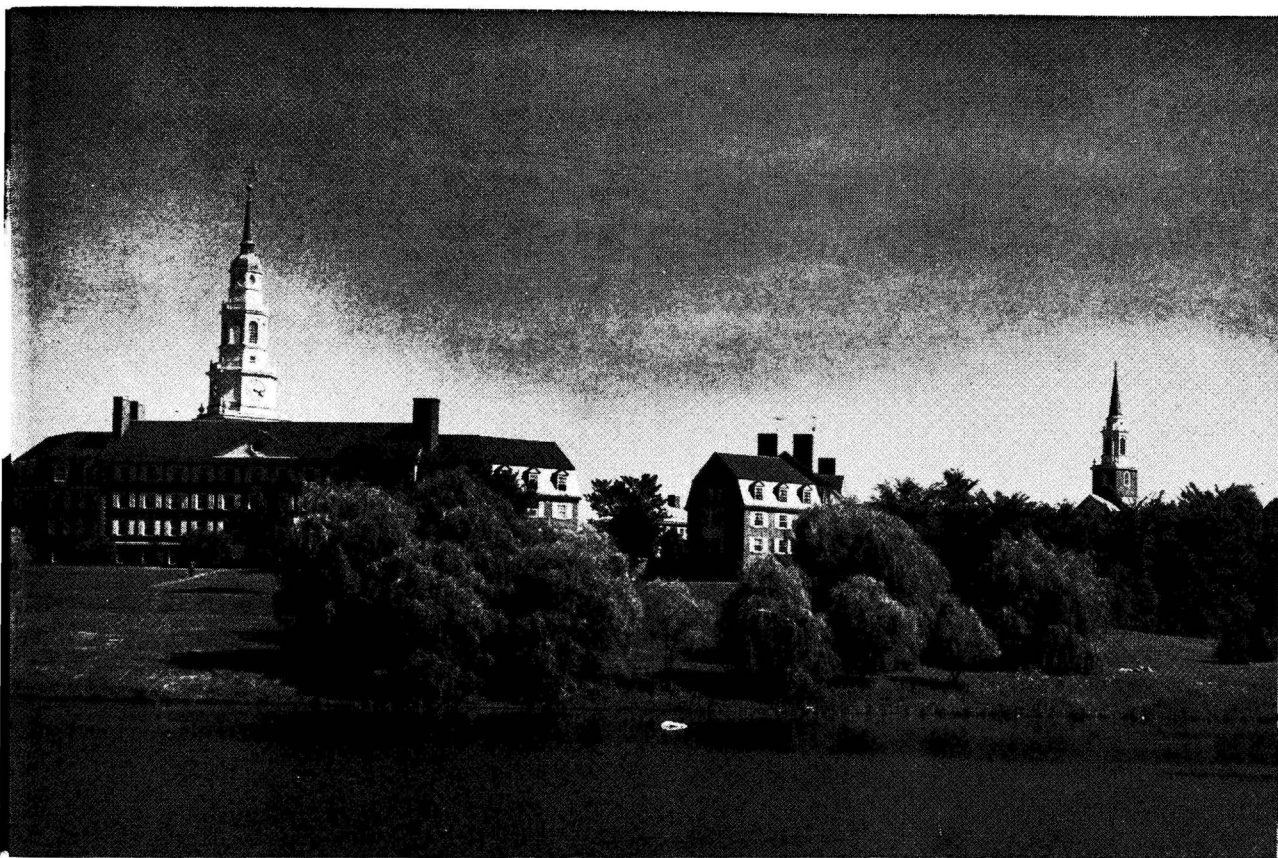
The *Little Theatre* serves as a dramatics workshop and theatre-in-the-round.

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

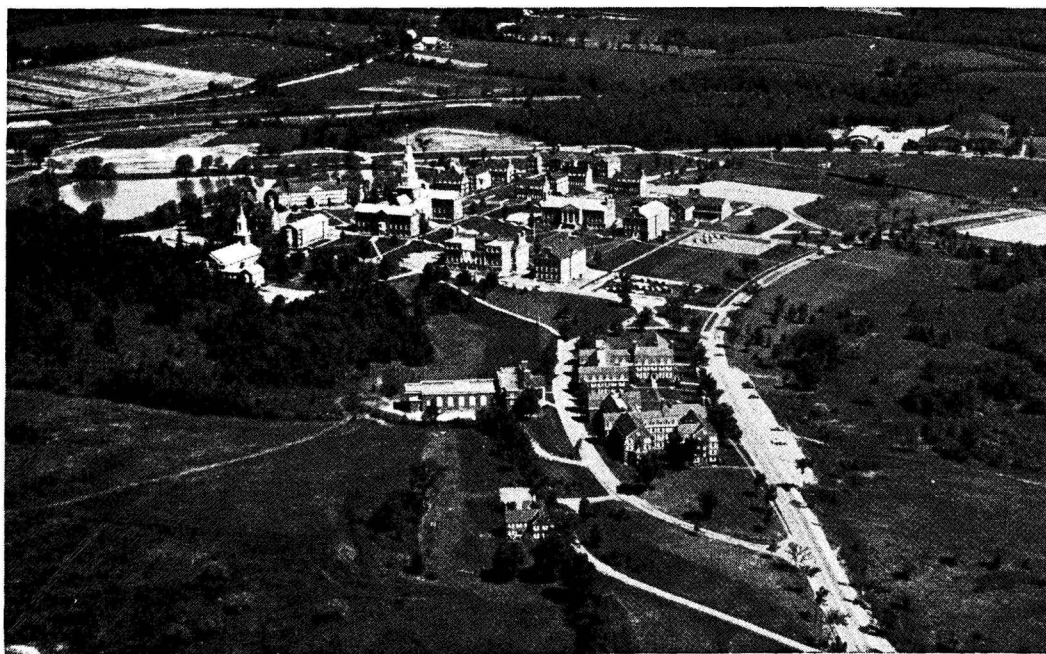
The *Herbert E. Wadsworth Field House*, seating 2,400, contains facilities for men's physical education. It has one of the largest basketball floors in northern New England.

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

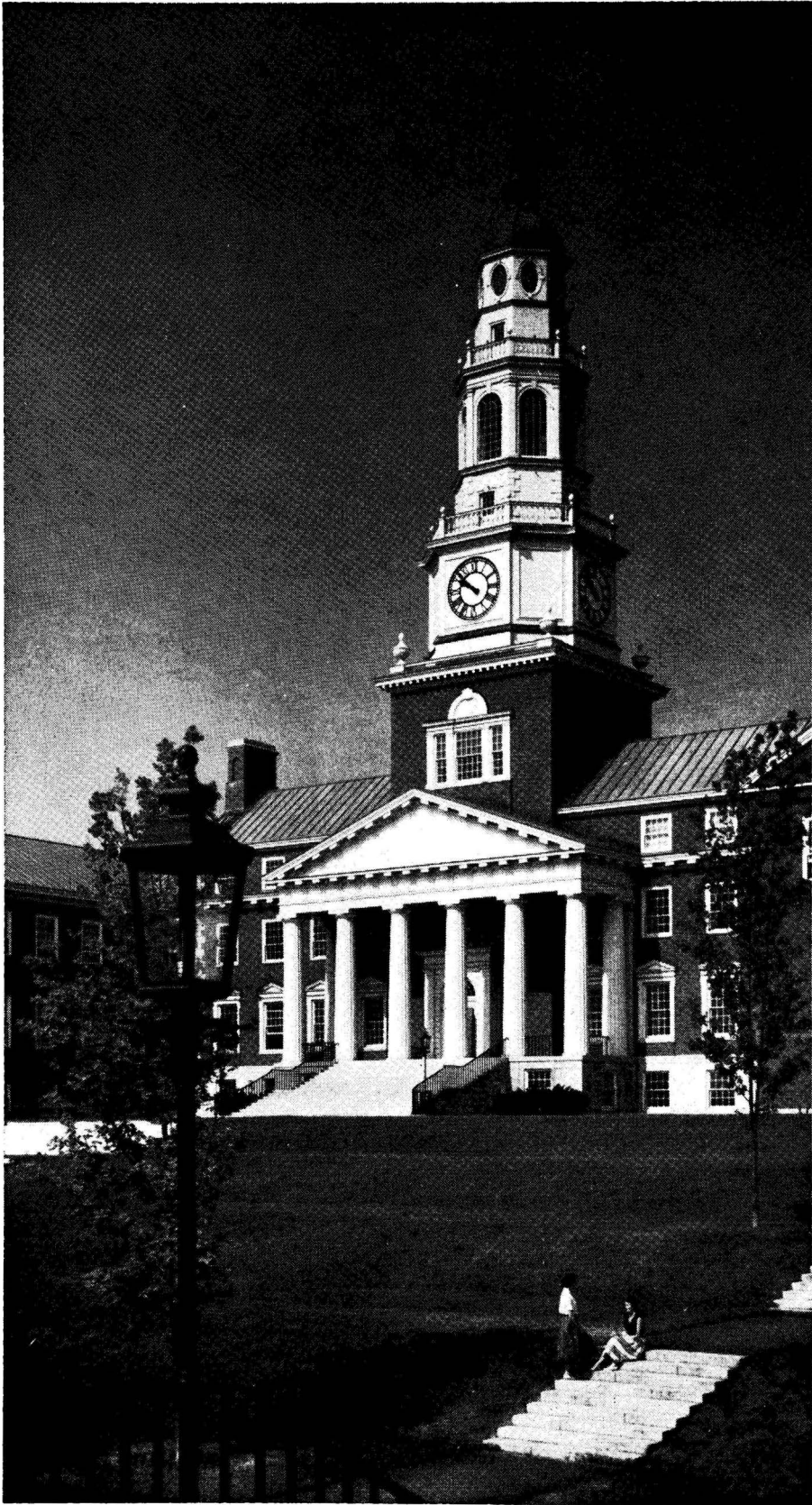
Athletic areas include two football fields, two baseball diamonds, a soccer field, fourteen tennis courts, and playing fields for field hockey, archery and informal games. A ski area with lighted slope, jump, T-bar tow lodge, and snowmaking equipment is maintained about three miles from the campus. *Johnson Pond* offers an excellent area for outdoor skating.

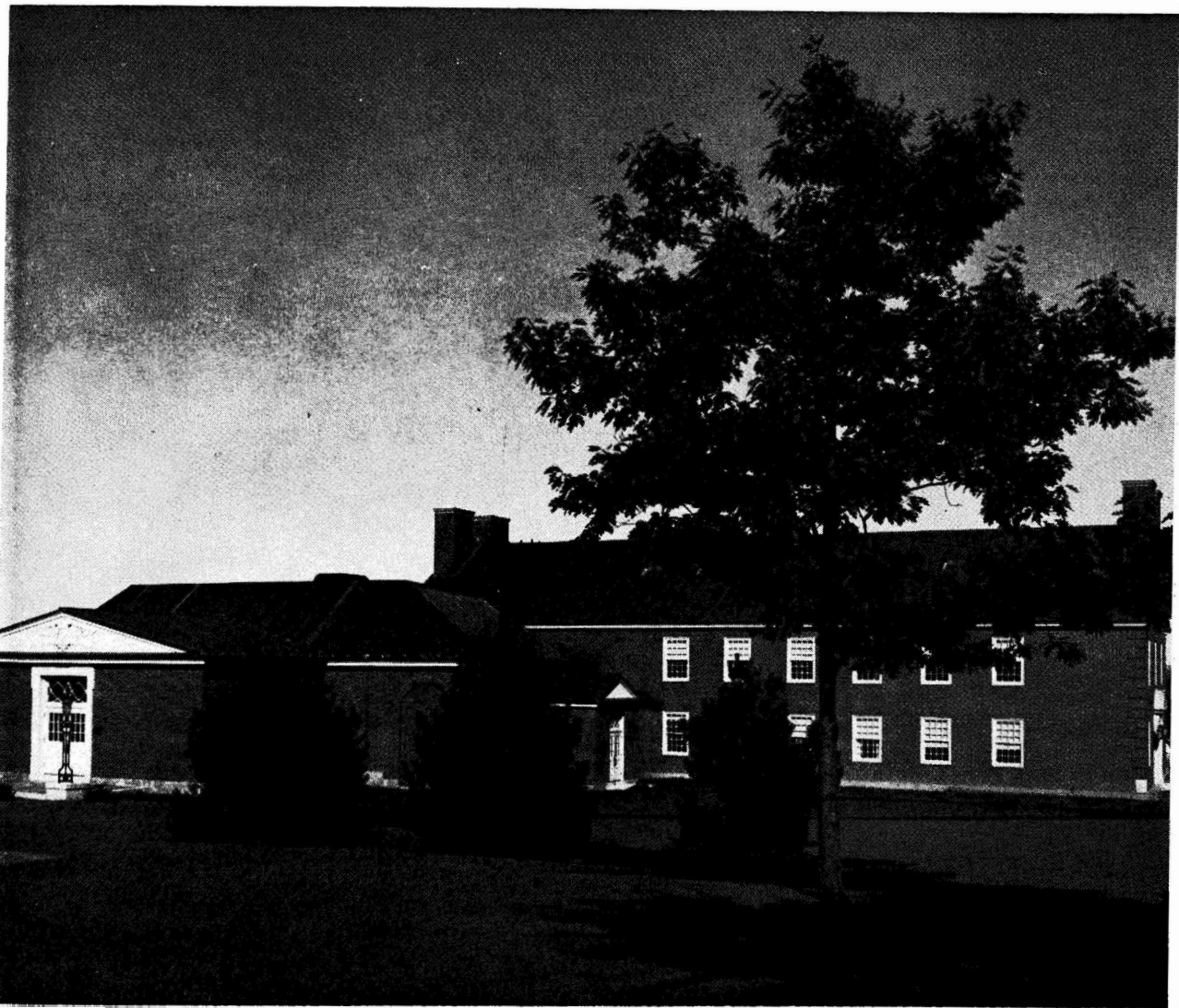


Across Johnson Pond

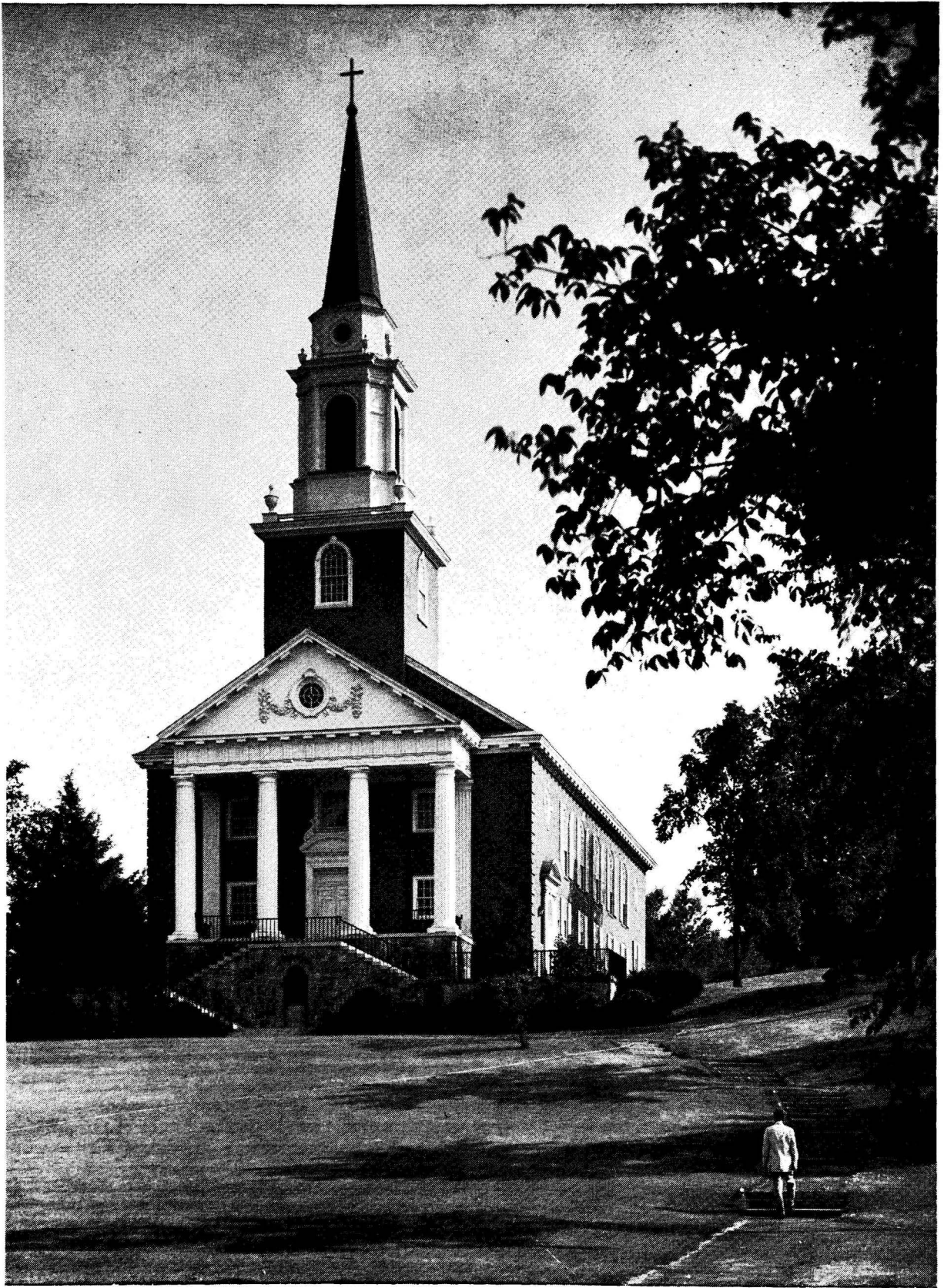


*Aerial view of
Mayflower Hill*

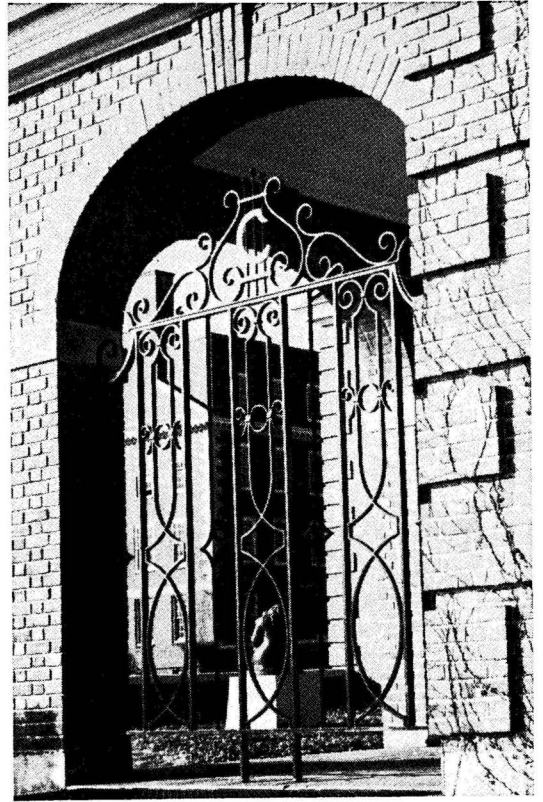




Bixler Art and Music Center



*Lorimer
Chapel*

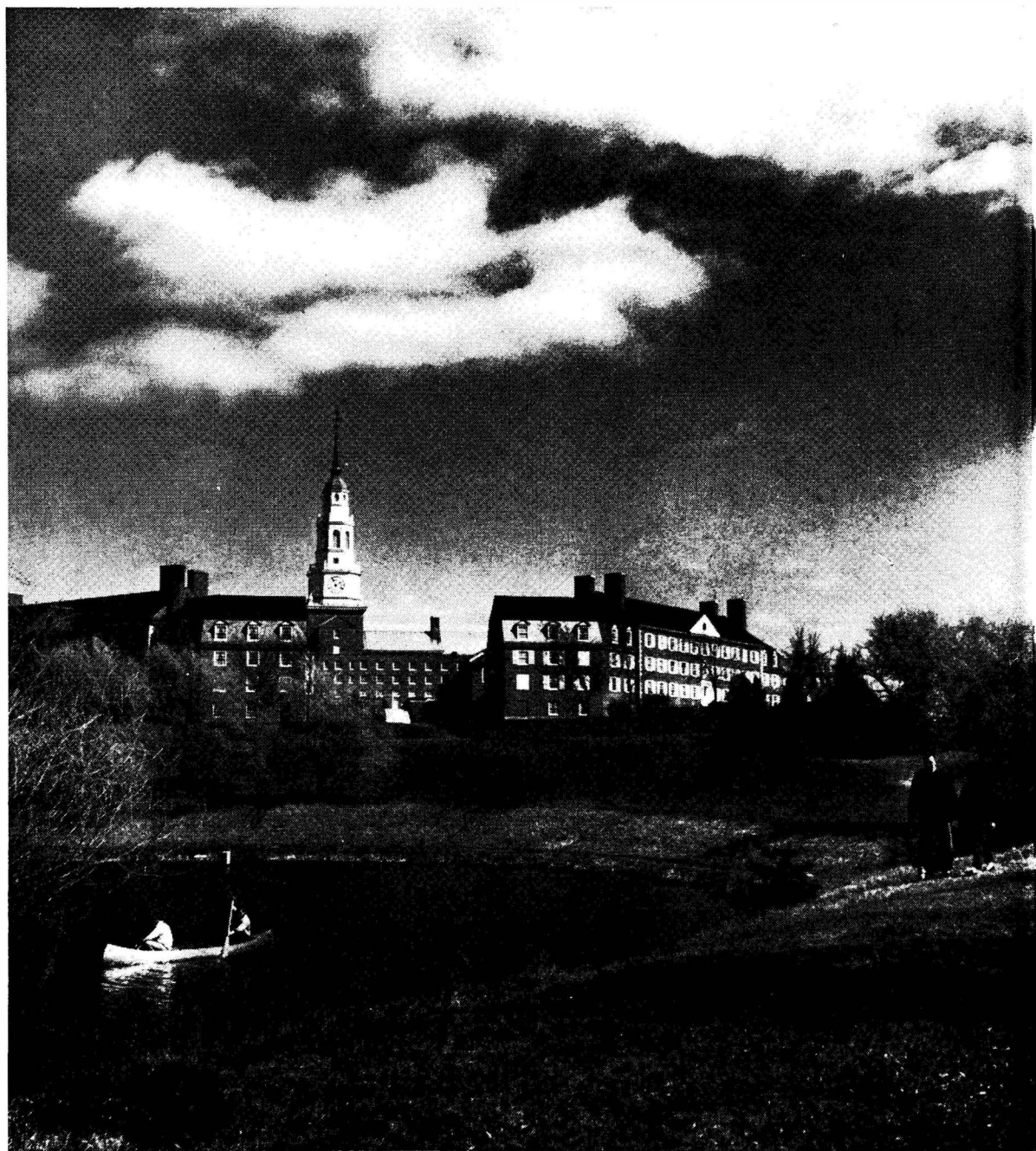


Gateway to Montague Sculpture Court



Mary Low Hall

The beginning of spring



teen classes
e Lovejoy
ling



*The Jetté Gallery in
the Bixler Center*



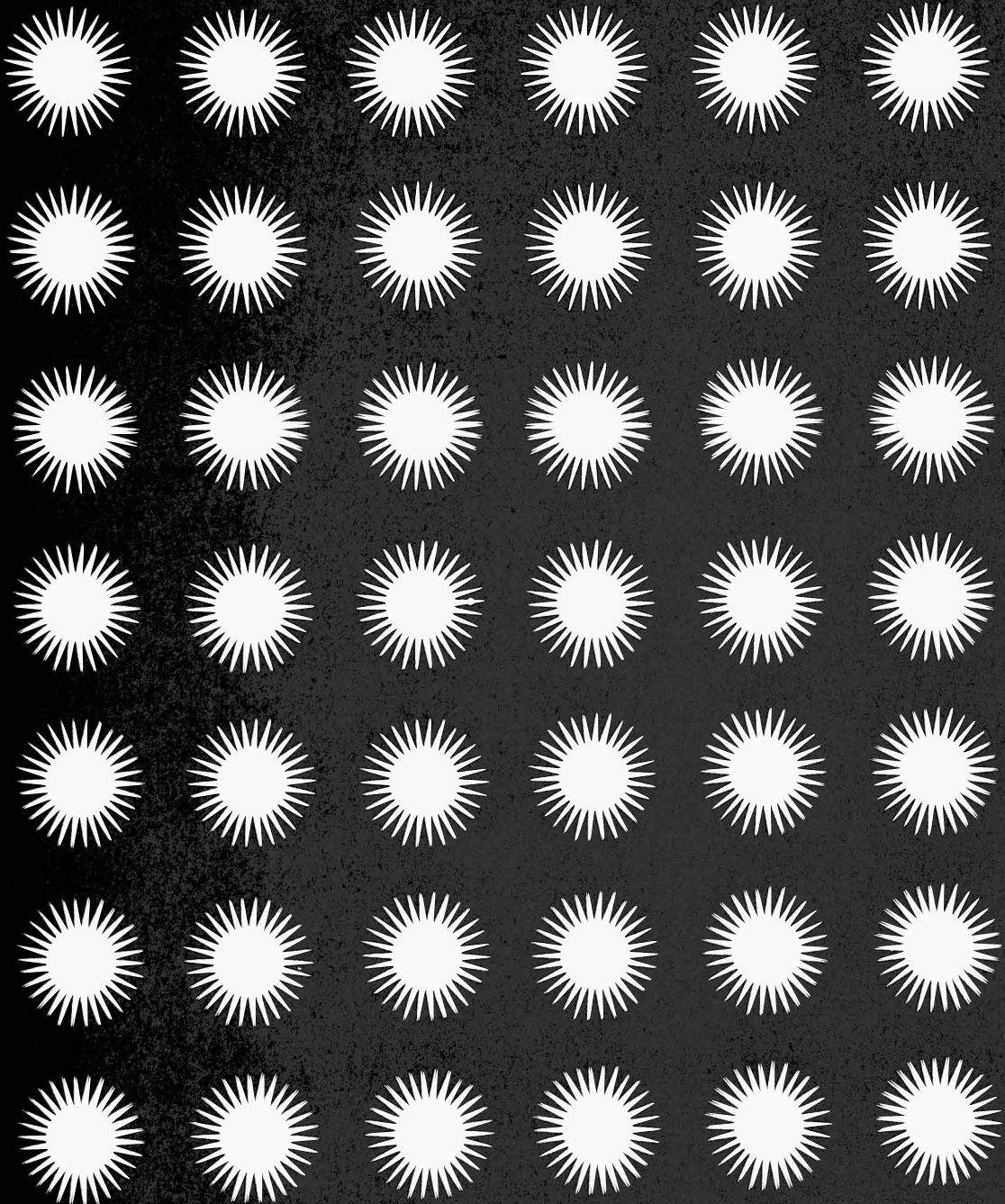
*by Community
Symphony Orchestra*





Afternoon in winter

Divisions, Departments, and
Courses of Study



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Divisions, Departments and Courses of Study

DIVISION OF HUMANITIES	<p>The courses are offered within five divisions as follows:</p> <p>Divisional courses in humanities and courses in the following departments: <i>Art; Classics</i>, including classics in English translation, Greek, and Latin; <i>English; Modern Foreign Languages</i>, including French, German, Italian (in English translation), Portuguese, Russian, and Spanish; and <i>Music</i>.</p>
DIVISION OF SOCIAL SCIENCES	<p>Divisional courses in social science and courses in the departments of <i>Business Administration; Economics; Education and Psychology; History and Government; Philosophy and Religion; and Sociology</i>.</p>
DIVISION OF NATURAL SCIENCES	<p>Courses in the departments of <i>Biology; Chemistry; Geology; Mathematics; and in Physics and Astronomy</i>.</p>
DIVISION OF AEROSPACE STUDIES	<p>Courses in <i>Aerospace Studies</i>.</p>
DIVISION OF PHYSICAL EDUCATION AND ATHLETICS	<p>Courses in <i>Physical Education</i>.</p> <p>In the departmental statements below, members of the active faculty for the academic year 1964-65 are listed.</p>

Division of Humanities

Chairman, PROFESSOR KELLENBERGER

Combined majors are offered in classics-English and classics-philosophy.

Requirements for the major in classics-English
In English: 221, 222; one full year period course or its equivalent in semester courses, 421, 422.

In classics: either three years of Latin above the level of 122 or three years of Greek.

Requirements for the major in classics-philosophy

In classics: either three years of Latin above the level of 122 or three years of Greek, subject to departmental approval.

In philosophy: Philosophy 112 or 211, 212; 331, 332; 491 or 492; and one further semester course.

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

ART

Chairman, PROFESSOR CARPENTER

Professor Carpenter; Associate Professor Miller; Assistant Professor Meader.

Requirements for the major in art

Art 121, 122, 211, 411; at least two semester courses chosen from 252 (or 271), 311, 312, 314, 318, 319; additional courses in art to bring the total to nine semester courses; two semester courses in ancient or European history, or one semester each of history and music.

The point scale for retention of the major applies to courses taken in the department.

CLASSICS

Visiting Professor Malz; Assistant Professor Westervelt¹; Dr. Dorothy Koonce and Mr. Traill.

Requirements for the major in classics

Three years of Latin above 122, and three years of Greek.

Requirements for the major in Greek

Four years of Greek, and History 261, 262 or one additional year course in the classics department.

Requirements for the major in Latin

Four years in Latin above 122, 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 called to the opportunity for concentrating in the combined majors *classics-English* and *classics-philosophy* (See pages 67, 68).

¹On leave 1964-65.

ENGLISH

Chairman, PROFESSOR CHAPMAN

Professors Chapman, Strider, Alice Comparetti, Benbow¹, and Cary; Associate Professors Sutherland, MacKay, and Suss; Visiting Lecturer Craig; Assistant Professors Witham, Curran², and Wees; Dr. Mathews, Mr. Koonce, Mr. Brancaccio, Mrs. Savage, Mr. Mizner, Mr. Green, and Mr. Sklute.

Requirements for the major in English literature

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 421, 422 and two additional semesters from the courses listed below.

Requirements for the major in American literature

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.

Courses credited toward these majors are: 311, 312, 314, 315, 317 (for those not required to take 421, 422), 318, 319, 332, 334, 335, 336, 351, 352, 353, 354, 361, 362, 363, 364 (of courses 361 through 364 only two semesters may be credited), 365, 366, 371, 372, 414, 421, 422, 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 combined classics — English major (see page 67).

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

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR BUNDY

Professors Kellenberger and Bundy; Associate Professors G. Smith, P. Bither, Biron¹, Holland, and Schmidt; Assistant Professors Cauz, Kempers, Tatem, Cox, and Judah; Mr. Carroll, Mr. Tsurikov, Mrs. Bundy², and Mrs. Preston⁴.

Placement test: Every student offering a foreign language for

¹On leave 1964-65.

²On leave second semester, 1964-65.

³Part time first semester, 1964-65.

⁴Second semester, 1964-65.

entrance credit must take the placement test in that language if he wishes to continue studying it (see page 32).

Requirements for the major in French

French 125, 126 and eight semester courses numbered 200 or above, with the exception of 211d or 411. A student who has completed German 225, 226 may omit two semester courses. A student desiring certification for teaching French must take French 411, and may be required to take French 412.

Requirements for the major in German

German 107, 108, 343, 344, 345, 346, 347, 348; or equivalent; a student who has completed German 225, 226 may omit one of these 300-level courses. German 491, 492 may be substituted for one 300-level course.

Requirements for the major in Russian

Eight semester courses beyond Russian 103, 104. Freshmen who take Russian 101, 102 and plan to major in the language, are urged to take the equivalent of Russian 103, 104 during the summer, so that they can take Russian 225, 226 in their sophomore year. The following supporting courses are strongly recommended: Government 333; History 341, 342.

Requirements for the major in Spanish

Spanish 141, 142, 257, 258, 321, 322, 351, 352, 355, 356; or equivalent; a student who has completed German 225, 226 may omit one of these 300-level courses. Spanish 491, 492 may be substituted for one 300-level course. A student desiring certification for teaching Spanish must take French 411.

The point scale for retention of any major within the department is based on courses in the major language only.

MUSIC

Chairman, PROFESSOR E. COMPARETTI

Professor E. Comparetti; Associate Professor Re; Miss Heinrich.

Requirements for the major in music

Music 101, 102, 121, 122, 211, 212, 305, 306 and either 301, 302 or 215 and 312; and either French 103, 104 or German 103, 104. Students planning graduate work in musicology should elect both languages. Some skill at the keyboard is required of all majors.

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

Division of Social Sciences

Chairman, ASSISTANT PROFESSOR BERSCHNEIDER

Opportunity is offered for concentration in two interdepartmental majors, *American civilization* (adviser: Mr. Bridgman) and *philosophy-mathematics* (advisers: Mr. Clark and Mr. Combellack).

Requirements for the major in American civilization

Six semester courses in American history; two semester courses in American government and politics; either Philosophy 351 or Religion 312; four semester courses in American literature, exclusive of English 367, 368; and three additional semesters of American studies.

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

Requirements for the major in philosophy-mathematics

In philosophy: 212 and either 211 or 112; 331 and 332; 357 and one further course in the department.

In mathematics: six semester courses, to include 361, 362.

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

Students should consult one of the advisers before planning to enter this major and should register for the first course in mathematics in the freshman year.

BUSINESS ADMINISTRATION

Chairman, ASSOCIATE PROFESSOR W. ZUKOWSKI

Professor Williams; Associate Professor W. Zukowski; Assistant Professors Fisher and Gemery¹; Mr. Phillips.

Requirements for the major in business administration

Business Administration 221, 222, 321, 322, 413, 414; Mathematics through 112d; Economics 241, 242; and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 336, or any additional courses in business administration.

The point scale for retention of the major applies to all business administration courses and to Mathematics 241, 242, 243, 244 and Economics 336, where these courses are used to satisfy major requirements.

Students planning graduate work in business administration should consult the chairman of the department early in their college career.

¹On leave 1964-65.

ECONOMICS*Chairman, PROFESSOR PULLEN**Professors Breckenridge and Pullen; Assistant Professors R. Raymond and Fletcher.**Requirements for the major in economics*

Economics 241, 242, and eight additional semester courses in economics. Students interested in business may substitute business administration 221, 222 or 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 for graduate work in economics are urged to elect Economics 331, 336, 341, 342, 371, and either 413 or 414. In addition, they should have college mathematics through calculus, and a working knowledge of elementary statistics. If a student intends to be a candidate for the PH.D. degree, he should also acquire a reading knowledge of French and German.

The point scale for continuation in the major applies only to courses in economics, except that Business Administration 221, 222 or 321, 322 will be counted if substituted for courses in advanced economics in fulfilling the major requirement.

EDUCATION AND PSYCHOLOGY*Chairman, ASSOCIATE PROFESSOR GILLESPIE**Professor Johnson; Associate Professors N. Smith, Perez, and Gillespie; Dr. Zohner.***EDUCATION**

Education 313, 314; 413, 414; and 431 meet the requirements of the Maine State Department of Education for the provisional certificate.

A brochure is available explaining the relation of the Colby program to certification requirements. This may be obtained at the education office of the college or, by mail, from the dean of admissions.

PSYCHOLOGY*Requirements for the major in psychology*

Mathematics 241, 242 (for which Mathematics 112d is prerequisite); Psychology 221, 222, 353, 381, 382, 451; and two additional semester courses in psychology approved by the department. Mathematics 243, 244 and Biology 101, 102 are recommended.

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 in their freshman year.

HISTORY AND GOVERNMENT

Chairman, PROFESSOR MAVRINAC

Professor Mavrinc; Associate Professors Gillum, H. Raymond, and Rothchild; Assistant Professors Berschneider and Bridgman; Mr. Weinbaum and Mr. Elison.

The department offers majors both in government and in history. Attention is also invited to the opportunity for majoring in American civilization, an inter-departmental program. (See page 71).

Requirements for the major in government

For students in the class of 1969 and subsequent classes: ten semester courses in government. For students in earlier classes: as stated in the CATALOGUE of May, 1964. Students are expected to take at least one semester course in Government numbered in the 400's.

Requirements for the major in history

For students in the class of 1969 and subsequent classes: ten semester courses in history and two semester courses in government. For students of earlier classes, as stated in the CATALOGUE of May, 1964. One of the required semester courses in history must be numbered in the 400's.

In the case of both majors, the point scale for retention of the major applies to all courses taken in the major and to such other courses as are required by the major.

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR CLARK

Professors Clark and Osborne; Associate Professors Reuman¹ and Todrank; Visiting Lecturer Jacob; Mr. Hudson and Mr. Peters.

Requirements for the major in philosophy

Philosophy 112 (unless waived by permission of the department); 211, 212, 318, 331, 332, 353 and three additional semester courses in philosophy. Social Science 121, 122 may, with special consent of the department, be substituted for two of the latter.

Requirements for the major in philosophy and religion

Religion 111, 213, 214, 311 and 491 or 492; Religion 315 or Philosophy 372; Philosophy 211, 331, 332 and 354.

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

Combined majors are offered in *philosophy-mathematics* and in *classics-philosophy*. (See pages 71 and 68.)

Recommended to the general students as beginning courses in the department are: for freshmen, the sequence, Religion 111, Philosophy 112; for sophomores and upperclassmen, Philosophy 211, 212; for upperclass students interested in historical development and great figures in western philosophy, Philosophy 331 and 332.

SOCIOLOGY

Chairman, PROFESSOR BIRGE

Professor Birge; Assistant Professors Geib and Rosenthal.

Requirements for the major in sociology

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.

The point scale for continuation of the major applies to all courses required for the major.

Students planning to enter social work should, at the beginning of their sophomore year, consult with their instructor concerning requirements. The course on social work cannot be offered for credit toward the major in sociology.

¹On leave 1964-65.

Division of Natural Sciences

Chairman, PROFESSOR COMBELLACK

The division offers a combined major in geology and chemistry. Its object is to provide a broad integration of classical geology with aspects of chemistry, mathematics, and physics underlying modern advances in geological science. Advisers: Mr. Hickox and Mr. Machemer.

Requirements for the major in geology-chemistry

Freshman year: Mathematics 111, 112d, or for qualified students, Mathematics 112d, 211d; Chemistry 141, 142.

Sophomore year: Mathematics 211d, 212d, or for qualified students, 212d and another course to be chosen in consultation with the adviser; Geology 251, 212; Physics 141, 142.

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

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

Students should consult one of the major advisers regarding election of languages and other required courses in the freshman and sophomore years.

The point scale for retention of the major applies to all courses in geology and chemistry.

BIOLOGY

Chairman, PROFESSOR SCOTT

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

Requirements for the major in biology

Mathematics through 112d; Chemistry 141, 142; four years of biology including 121e, 122 and one additional year of science. The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for graduate study in the biological sciences, including those planning to enter dental, medical or veterinary schools, must take physics and organic chemistry. It should be noted that 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 major applies to Chemistry 141, 142; Mathematics through 112d; and all courses in biology.

Students are encouraged to take courses at approved summer laboratories such as the Marine Biological Laboratory at Wood's Hole, Massachusetts. Such courses may be approved for credit toward the major requirement.

The department holds seminars Tuesday evenings to discuss current topics in biology. Senior majors are required to attend and participate.

CHEMISTRY

Chairman, PROFESSOR REID

Professor Reid; Associate Professors Ray and Machemer; Assistant Professor Chipman.

The department is accredited by the American Chemical Society for training on the undergraduate level. The courses in the professional major furnish the maximum depth consistent with adequate breadth in the field of chemistry, preparing either for university postgraduate work or for a responsible position in chemical industry.

Requirements for the American Chemical Society accredited major in chemistry

Required courses (subject to minor change by permission of the chairman of the department):

Freshman year: Chemistry 141, 142; Mathematics 111, 112d or for qualified students Mathematics 112d, 211d;

Sophomore year: Chemistry 221, 222; Mathematics 211d, 212d or for qualified students 212d, and another mathematics course chosen in consultation with the adviser; Physics 141, 142.

Junior year: Chemistry 223, 224; 321, 322; German 101, 102.

Senior year: Advanced Chemistry (one or two courses); German 103, 104.

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

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

Requirements for the basic major in chemistry

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

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

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

Attention is called to the combined major in geology and chemistry (see page 75).

GEOLOGY

Chairman, PROFESSOR KOONS

*Professor Koons; Associate Professor Hickox; Mr. Coleman and Mr. Tays*².

Requirements for the major in geology

Geology 101, 102, 211, 212, 241, 242, 311, 312, 352; Mathematics 112d; 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 for admission a summer field course or its equivalent, at least one year in physics and biology, and, frequently, additional mathematics; 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 75.

MATHEMATICS

Chairman, PROFESSOR COMBELLACK

Professor Combellack; Associate Professor Lucille Zukowski; Assistant Professor Junghans; Mr. Hayslett, and Mr. Whelan.

Requirements for the major in mathematics

Mathematics 112d, 211d, 212d, 311d; 312 or 381; 361, 362, 421, 422, 423, 424.

The point scale for retention of the major applies to all courses taken in the department.

Attention is invited to the combined major in philosophy-mathematics (see page 71).

PHYSICS AND ASTRONOMY

Chairman, PROFESSOR BANCROFT

Professor Bancroft, Associate Professors Fairley and Dudley; Mr. Otto.

The department seeks to train students to think analytically in terms of the fundamental principles of physics. Subject matter in courses is selected to illustrate basic laws with wide applicability. The course offerings provide excellent background for graduate study in physics, astronomy, or the other natural sciences.

¹On leave second semester, 1964-65.

²Second semester, 1964-65.

Requirements for the major in physics

Physics 141, 142 and two semester courses in mathematics should be taken in the freshman year. Chemistry 141, 142, Mathematics 211d, 212d and physics 211, 212 should be completed by the end of the sophomore year. Completion of a major also requires completion of mathematics 311d, 312 and four additional courses in physics, including physics 421, 422.

The point scale for retention of the major applies to all courses taken in physics, chemistry, and mathematics.

It is recommended that the physics major fulfill his college language requirement in either German or Russian. Students contemplating graduate work should acquire a reading knowledge of both, or of one of these plus French.

Division of Aerospace Studies

Chairman, ASSOCIATE PROFESSOR BROOKS¹

Associate Professor Brooks (MAJOR); *Assistant Professors Culp* (CAPTAIN) and *Woodard* (CAPTAIN).

Qualified students successfully completing the Senior Air Force ROTC program will be commissioned second lieutenants in the United States Air Force upon graduation. The four-year program is designed to qualify for commissions those graduates desiring to serve in the United States Air Force by providing educational experiences vital to the professional officer. Two separate divisions are described as follows.

The lower division program, or *General Military Education Program*, encompasses the first two years. It consists of Aerospace Studies 121, 122 in the freshman year and Aerospace Studies 221, 222 in the sophomore year. Three classroom hours and one laboratory period per week are scheduled for each course.

The upper division or last two years of the ROTC program is *The Professional Officer Education Program*, consisting of Aerospace Studies 321, 322 taken in the junior year, and Aerospace Studies 421, 422 during the senior year.

¹Designated Professor of Aerospace Studies.

Students in the Professional Officer Education Program, who receive a retainer pay of \$40 per month, must attend a four-week field training unit at an Air Force base between the junior and senior years. During this period they receive \$120 per month plus travel pay, quarters, food, uniforms and medical care.

Ordinarily students apply for enrollment in the Professional Officer Education Program after completing the General Military Education Program. If acceptable to the president of the college and professor of aerospace studies, the student will be enrolled after he enlists in the Air Force Reserve and signs a contract agreeing to (1) complete the advanced courses, (2) attend a four-week field training unit, and (3) accept a commission upon graduation. A student must not have reached his 25th birthday at the beginning of this phase. He must have passed the Air Force Officer Qualification Test and meet certain medical requirements.

Students who do not wish or are unable to take the first two years of ROTC courses may qualify for entrance into the Professional Officer Education Program by attending a six-week field training course during the summer between their sophomore and junior years. (Cadets in the two-year program do not attend the four-week summer training unit between the junior and senior years required of cadets in the four-year program).

AFROTC graduates have an excellent opportunity to become officers in such fields as electronics, intelligence, administration, personnel, finance, public information, meteorology, research and development, procurement, and production. Qualified graduates may receive further training as pilots or navigators in the United States Air Force.

More detailed information may be obtained by writing directly to the Professor of Aerospace Studies, Colby College.

Division of Physical Education and Athletics

Chairman, ASSOCIATE PROFESSOR WINKIN

Associate Professors L. Williams, Marchant¹, and Winkin; Assistant Professors M. Bither, Simpson, Holt and Ullom; Mr. K. Weinbel, Miss McFerren, and Mrs. M. Weinbel².

Physical education is required of all freshmen and sophomores, being both a graduation requirement and an integral part of the curriculum. Its intent is to stimulate interest and develop skills in a variety of individual and team games, stressing sports that have a carry-over value to the days after graduation. Participation 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 individual and team sports, in leisure-time carry-over activities, and in a program of physical fitness — is required of all freshmen.

Physical Education 3, 4 provides a similar program and is required of all sophomores.

A semester's work failed in the first two years must be repeated in the junior year. Selection of physical education sections must be made at the time of the regular academic course elections. A prescribed uniform, required for physical education activity classes, may be secured at the college bookstore. Lockers and towels are provided. 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 a representative from each participating unit, promotes athletics for men; every student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball,

¹First semester, 1964-65.

²Second semester, 1964-65.

bowling, hockey, ping-pong, volleyball, winter sports, track, swimming, softball and tennis. As new interests develop the program will be increased.

The indoor Harold Alford Arena provides artificial ice for skating. The college operates a ski area with a 1200-foot T-bar lift and a 32 meter jump convenient to the campus.

PHYSICAL EDUCATION FOR
WOMEN

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

The department cooperates with the Women's Athletic Association in carrying on tournaments throughout the year. The Modern Dance Club provides opportunity for those interested in dance. Swimming instruction and a Red Cross Safety Instructors' course are given at the Boys Club pool. There is skiing instruction on a credit and voluntary basis at the ski area. Figure skating instruction is provided in women's classes at the Alford Arena.

Juniors and seniors may participate in physical education activities for credit in 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 and body mechanics;
spring: archery, golf, lacrosse, softball, tennis and modern dance.

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.

The rules that govern intercollegiate sports are those adopted by the 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.

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.

Courses are of the intensive type, each 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.

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.

Adult Education and Extension

Recognizing the diversity of educational interests existing in every community, Colby College maintains a division of adult education and extension with a full-time director.

During the academic year this division arranges such conferences 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 certificate credit, presenting courses through simultaneous telecasts from stations which reach into Maine, Vermont, New Hampshire, New York and Canada.

Information may be obtained by writing to Professor William A. Macomber, director.

Courses of Study

KEY TO SYMBOLS AND METHOD OF COURSE DESIGNATION

Each course is known by a title and also, for convenience of reference and ease in record-keeping, by subject and number: *American Art* is also *Art 271*.

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

- 100 — open to freshmen,
- 200 — ordinarily open to sophomores, and classes above,
- 300 — ordinarily 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 — either member of a pair of closely related semester courses (special permission of the department is required to take the second without the first); or *an odd number* — 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 271* 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 7, 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 an accumulative course, in which course-credit may be obtained only through an accumulation of credit over several semesters.

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* would be 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, the first of two closely related semester courses. When so designated, a mark of *E* may be given for the first. *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 may 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 1965-66

* An asterisk indicates that the course will probably not be offered in 1966-67.

† A dagger indicates that the course will probably be offered in 1966-67.

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

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

Aerospace Studies

AEROSPACE STUDIES 121, 122

Aerospace Studies 121 is Social Science 121e, *Great Social Thinkers and Problems of the Western World*. Aerospace Studies 122, *World Military Systems*, is an introductory course exploring the causes of the present world conflict, the role and relationship of military power to that conflict, and the responsibility of an air force officer. The course begins with a discussion of the factors from which differing political philosophies have evolved. It continues with a tri-dimensional analysis of the three prime political philosophies which have guided segments of society in the twentieth century. This is followed by a discussion of the means that nations develop to pursue their objectives and how they confront each other in the use of these means. The course then treats individual military systems with emphasis upon the U. S. Department of Defense and the U. S. Air Force.

Leadership Laboratory (both semesters): customs of the service, military courtesies, and basic drill.

AEROSPACE STUDIES 221, 222

Either Astronomy 103, 104, *Descriptive Astronomy II* or Psychology 221, *General Psychology*, followed by Philosophy 212, *Logic*, may be taken for Aerospace Studies 221, 222.

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

AEROSPACE STUDIES 321, 322

Aerospace Studies 321, 322, *Growth and Development of Aerospace Power*, is a survey course about the nature of war; development of airpower in the United States; mission and organization of the Defense Department; air force concepts, doctrine, and employment; astronautics and space operations; and the future development of aerospace power. Includes the United States space programs, vehicles, systems, and problems in space exploration.

Leadership Laboratory (both semesters): Assumption of responsibilities for cadet corps activities under the leadership of senior cadets.

AEROSPACE STUDIES 421, 422

Aerospace Studies 421, 422, *The Professional Officer*. A study of professionalism, leadership, and management. Includes the meaning of professionalism, professional responsibilities, the military justice system, leadership theory, functions, and practices, management principles and functions, problem solving, and management tools, practices and controls.

Leadership Laboratory (both semesters): Command and operational responsibilities under supervision of the military faculty.

AEROSPACE STUDIES
424a

Aerospace Studies 424a. For participation in Leadership Laboratory and other scholastic studies required, in addition to the prescribed curriculum, by the department of aerospace studies, a student may receive credit for a one-semester course provided he successfully completes four years of aerospace studies as an enrolled cadet. Grades are computed on an accumulative basis.

Art

121, 122
INTRODUCTION TO ART
STAFF

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.

211
INTRODUCTION TO
DESIGN
MR. MEADER

Principles of visual design will be presented, discussed and put to work in basic visual problems.

Prerequisite: General aptitude and interest.

A background in drawing is not assumed.

232
INTRODUCTION TO
DRAWING AND PAINTING
MR. MEADER

A working opportunity in the creative aspect of the visual arts. The student will explore graphic media and paints while learning basic representational and expressive means. Prior drawing experience will be helpful.

252
ARCHITECTURE
MR. MILLER

A survey of architectural styles with emphasis on modern developments. Work in the course includes 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 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 is 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
EUROPEAN ART SINCE 1800
INSTRUCTOR
- In this course special attention is given to French painting of the nineteenth and twentieth centuries.
Prerequisite: Art 121, 122 or permission of the instructor.
-
- 331d
STUDIO WORK
MR. MEADER
- This course will explore oil paints and other media as vehicles for fully formed original expressions. Offered each semester.
Prerequisite: Art 211, 232 and permission of the instructor.
-
- 351
THE ART OF DRAWING —
PRACTICE, HISTORY
AND CRITICISM
MR. CARPENTER, MR. MEADER
- An advanced drawing course with two weekly meetings for drawing and one for lecture-discussion.
Prerequisite: Art 232.
-
- 371d
ADVANCED STUDIO WORK
MR. MEADER
- Offered each semester.
Prerequisite: Art 331d and permission of the instructor.
-
- 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 are directed toward study of the present state of knowledge in this field.

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

101, 102
DESCRIPTIVE ASTRONOMY I
MR. FAIRLEY AND STAFF

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.

Prerequisite: permission of instructor.

†[103, 104]
DESCRIPTIVE ASTRONOMY II

This is the course 101, 102 supplemented by regular laboratory sessions. Astronomy 103, 104 satisfies the distribution requirement in laboratory science; Astronomy 101, 102 does not.

Prerequisite: permission of instructor.

†[212]
CELESTIAL MECHANICS AND
NAVIGATION

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 is on modern methods.

Prerequisite: Astronomy 102 or 104 and Mathematics 112d or equivalent.

Biology

121E, 122
GENERAL BIOLOGY
STAFF

An introduction to the science of biology.

211
FIELD AND SYSTEMATIC
BOTANY
MR. DAVIS

A study of plant evolution, ecology and an investigation of the Maine flora. Students are required to make a plant collection. One weekend field trip is scheduled.

Prerequisite: One year of biology, preferably including Biology 212.

212
PLANT STRUCTURE AND
FUNCTION
MR. DAVIS

A study of the anatomy and physiology of the higher plants, emphasizing microscopic and experimental work in the laboratory.

Prerequisite: Biology 121e and permission of the department.

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 121e, 122.

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.

Prerequisite: Biology 121e, 122.

251
INVERTEBRATE ZOOLOGY
MR. DAVIS

A study of the morphology, physiology and classification of the invertebrates in lecture and in laboratory. The first few weeks of the semester are spent largely in the field, gaining familiarity with invertebrate fauna and preparing collections.

Prerequisite: Biology 121e, 122.

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 121e, 122.

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.

Prerequisites: Biology 121e, 122; Chemistry 141, 142.

312
GENETICS
MR. SCOTT

A study of mendelian principles and their physical basis; of linkage, mutation and the nature of the gene. The genetic mechanisms in evolution are a primary concern of the course.

315
PHYSIOLOGY
MR. TERRY

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

Prerequisites: Biology 121e, 122; 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 lecture, laboratory and field. Physical and chemical characteristics of the habitats are measured. A weekend field trip is included.

Prerequisite: Biology 121e, 122 and Chemistry 141, 142. Biology 211 and 251 are also recommended.

421, 422
SPECIAL PROBLEMS
STAFF

Normally open only to senior biology majors whose work in the department has been of better than average quality.

Prerequisite: Special permission of the department.

Business Administration

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
INSTRUCTOR

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.

Prerequisites: Business Administration 221, 222 and Economics 241, 242 or special permission.

341, 342
ADVANCED ACCOUNTING
MRS. FISHER
AND INSTRUCTOR

Advanced study of accounting with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.

Prerequisite: Business Administration 221, 222.

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.

Prerequisite: Business Administration 221, 222 or Economics 241, 242.

353
MANAGERIAL
ECONOMICS
INSTRUCTOR

The business decision-making process examined in an economic context.

Prerequisites: Business Administration 221, 222 and Economics 241, 242 or special permission.

354
BUSINESS LAW
INSTRUCTOR

A study of those processes of law which underlie 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.

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
INSTRUCTOR

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 71).

Chemistry

141C, 142
GENERAL CHEMISTRY
MR. MACHEMER

The course deals with certain selected fundamental principles of theoretical and practical inorganic chemistry. The first term covers stoichiometry and ionic equilibria, and the laboratory affords practice in introductory quantitative analysis. Atomic and molecular structure are studied in the second term, with the laboratory devoted chiefly to systematic semimicro qualitative analysis. Three hours of lecture, one hour of discussion, and three hours of laboratory per week.

221, 222
QUANTITATIVE ANALYSIS
MR. RAY

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

Prerequisite: Chemistry 142.

223C, 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. Laboratory emphasis on quantitative physico-chemical experiments. Offered on demand by three or more students. May not be taken for credit in addition to Chemistry 321, 322.

Prerequisite: Chemistry 142, 221 or 222; Physics 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. Emphasis is given to the application of physical chemical principles to the solution of problems. May not be offered for credit in addition to Chemistry 312.

Prerequisite: Chemistry 142, 221, 222; Mathematics 222; Physics 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, potentiometric, gas-volumetric, spectrophotometric, and others.

441, 442

ADVANCED PHYSICAL
CHEMISTRY¹

MR. RAY

Important topics in physical chemistry are discussed from rigorous points of view. The material can be varied to suit the needs of the student, and may include extended treatment of surface chemistry, chemical kinetics, thermodynamics, etc. Laboratory work 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. Opportunity for individual projects.

Prerequisites: Chemistry 224 and Biology 122, 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.

¹All 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 translation)

IN THE DEPARTMENT OF CLASSICS

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.

CLASSICS 231
CLASSICAL EPIC POETRY
MR. WESTERVELT

Reading of major works of classical poetry in translation, with particular attention to Homer. Study of the poems is accompanied by a general introduction to classical thought and mythology.

CLASSICS 232
CLASSICAL DRAMA
MR. WESTERVELT

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

241E, 242
PRINCIPLES OF ECONOMICS
STAFF

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

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 241, 242. Course 321 is prerequisite for 322.

<p>331 INTERMEDIATE ECONOMIC THEORY INSTRUCTOR</p>	<p>A study of the theoretical concepts involved in the determination of price and output in a market economy. Analysis of both commodity and factor markets will be undertaken. <i>Prerequisite:</i> Economics 241, 242.</p>
<hr/>	
<p>†[333] ECONOMIC DEVELOPMENT INSTRUCTOR</p>	<p>The underdeveloped areas and their drive toward economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process. <i>Prerequisite:</i> Economics 241, 242.</p>
<hr/>	
<p>336 MODERN THEORY OF INCOME DETERMINATION INSTRUCTOR</p>	<p>A study of aggregate economic analysis, with emphasis upon the Keynesian theory of the determination of income and employment. Examination of recent post-Keynesian developments. Historical development of the theory and policies associated with it are studied and analyzed critically. <i>Prerequisite:</i> Economics 241, 242.</p>
<hr/>	
<p>341, 342 MONEY AND BANKING MR. PULLEN</p>	<p>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. <i>Prerequisite:</i> Economics 241, 242. Course 341 is prerequisite for 342.</p>
<hr/>	
<p>352 TAXATION AND FISCAL POLICY MR. BRECKENRIDGE</p>	<p>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. <i>Prerequisite:</i> Economics 241, 242.</p>
<hr/>	
<p>361, 362 LABOR ECONOMICS MR. PULLEN</p>	<p>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. <i>Prerequisite:</i> Economics 241, 242.</p>
<hr/>	
<p>371 MAJOR ECONOMISTS, 1750-1900 MR. BRECKENRIDGE</p>	<p>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. <i>Prerequisite:</i> Economics 241, 242.</p>

381, 382
INTERNATIONAL ECONOMICS
INSTRUCTOR

A study of international trade theory, the balance of payments, commercial policy, and problems of international disequilibrium and adjustment.

Prerequisite: Economics 241, 242; 381 is prerequisite for 382.

*384
INTERNATIONAL COMMERCIAL
AND FINANCIAL POLICY
INSTRUCTOR

A study of the origins of and suggested solutions to the "dollar crisis" in the light of international economic theory and practice.

†[392]
COMPARATIVE ECONOMIC
SYSTEMS

An analysis of the basic types of economic systems, with special attention paid to the problems of economic planning and economic development.

Prerequisite: Economics 241, 242.

413, 414
SPECIAL TOPICS
IN ECONOMICS
STAFF

Independent study devoted to a topic chosen by the student with the approval of a member of the department who agrees to serve as the student's adviser for the course.

Open only to senior majors in economics. May be elected for either semester, or for the full year.

Education

IN THE DEPARTMENT OF EDUCATION AND PSYCHOLOGY

313
PHILOSOPHY OF EDUCATION
MR. SMITH

Philosophical positions held by theorists from Plato to Dewey; primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of instructor.

314
INTRODUCTION TO
AMERICAN EDUCATION
MR. SMITH

The American school in historical perspective with emphasis upon present-day issues and problems.

413
HUMAN GROWTH AND
DEVELOPMENT
MR. SMITH

A course in developmental psychology from the pre-natal stages through the adolescent period.

414
EDUCATIONAL PSYCHOLOGY
MR. SMITH

The learner, the learning situation and the learning process are the three major topics to be discussed in this course.
Prerequisite: Education 413.

431
EDUCATION PRACTICUM
MR. SMITH

Class discussions cover the problems and professional responsibilities of the teacher. Observation of classes in local schools is required during the first semester. Six semester hours of college credit, the equivalent of two semester courses.

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

Note: The practicum does not extend to art or music because, in these areas, states require an approved course in *special education* for certification. Colby does not offer such a course.

English

121e, 122
ENGLISH COMPOSITION
MR. MACKAY AND STAFF

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

131d
GENERAL SPEECH
MR. WITHAM AND STAFF

A general course in the fundamental principles of the composition and oral delivery of speeches.

152
ADVANCED SPEECH
MR. WITHAM

A study of the work of significant figures in rhetorical theory and oratory. Rhetorical problems of composition will be emphasized.

221e, 222
INTRODUCTION TO ENGLISH
LITERATURE
MRS. COMPARETTI AND STAFF

A general introduction to literature in the English language through a study of selected English authors. Required of all sophomores.
Prerequisite: English 121.

253
ARGUMENTATION AND DEBATE
MR. WITHAM

A study of the principles of argumentation with application in extended persuasive speeches and formal debate.

Prerequisite: English 131 or permission of the instructor.

254
ORAL INTERPRETATION
MR. WITHAM

Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience.

Prerequisite: English 221.

*281, 282
DEVELOPMENT OF THE THEATRE
MR. SUSS

Drama in the western world from the ancient Greek to the beginnings of modern realism. Significant plays are 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.

311
ANGLO-SAXON LITERATURE;
MEDIEVAL LITERATURE I
MR. MACKAY

English Literature from the beginning to 1400. The first half considers *Beowulf*, selected Anglo-Saxon lyrics, Round Table material, early ballads, and selections from *Piers Plowman*. The latter half is devoted to Chaucer's *Canterbury Tales*.

Prerequisite: English 221, 222.

*312
MEDIEVAL LITERATURE II
MR. MACKAY

An intensive study of *Troilus and Criseyde* and the *Book of the Duchess*, and selections from the *Parliament of Fowls*, *House of Fame*, and *Boece*.

Prerequisite: English 311 or permission of the instructor.

†[314]
THE EARLIER RENAISSANCE

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.

†[315]
TUDOR DRAMA

A study of the development of English drama from 1485 to 1602. Attention is on major types and major dramatists including Heywood, Kyd, Greene, Dekker, and Marlowe.

Prerequisite: English 221, 222.

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.

318
POETRY OF THE LATER
RENAISSANCE
MR. BENBOW

An intensive study of selected poets including Shakespeare, Donne, Jonson, Herbert, and Marvell.
Prerequisite: English 221, 222.

*319
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 are included.
Prerequisite: English 221, 222.

332
MILTON
MRS. COMPARETTI

A study of Milton's poetry and prose.
Prerequisite: English 221, 222.

*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.

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.

†[336]
FROM JOHNSON THROUGH BLAKE

A study of selected works by Johnson, Boswell, Sterne, Gray, Smart, Blake, and other major English writers of the period from 1750 to 1798.
Prerequisite: English 221, 222.

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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.
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.
Prerequisite: English 221, 222.
-
- 353
VICTORIAN LITERATURE:
LITERATURE AND BELIEF
MISS CURRAN
- The effect of the Victorian conflict on literature and on the writer is explored in terms of Carlyle, Tennyson, Matthew Arnold, Hopkins, and Hardy.
Prerequisite: English 221, 222.
-
- 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, Wilde, and Shaw.
Prerequisite: English 221, 222.
-
- *361, 362
TWENTIETH CENTURY POETRY
AND FICTION
MR. CRAIG
- In the first semester, the individual poetic approaches of Hardy, Robinson, Frost and Thomas, mainly in their shorter poems, are studied, as well as the earlier fiction of Joyce. During the second semester, the prose achievements of the later Joyce, of Faulkner and others form a contrasting link with attempts to write a modern epic or long poem as exemplified in selected works by Eliot, Pound, St. John Perse, William Carlos Williams and Hart Crane.
Prerequisite: English 221, 222. 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 is considered in selected works by Huxley, Fitzgerald, Hemingway, Eliot, Jeffers and others. In the second semester, the search for new bearings is studied in selected works by Eliot, Yeats, Hart Crane (the shorter poems), Auden, Lawrence, Steinbeck and others.
Prerequisites: English 221, 222. 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.

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

367, 368
SURVEY OF AMERICAN
LITERATURE
MR. WEES

Historical survey of American literature from colonial times to the present. Designed especially for non-majors.

Prerequisite: English 221, 222.

371
EARLY AMERICAN AUTHORS
MR. BRANCACCIO

Selected prose and poetry from the Puritan period, the Age of Reason, and the pre-romantic movement in American literature.

Prerequisite: English 221, 222.

372
THREE AMERICAN NOVELISTS
MR. BRANCACCIO

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.

373
THE ENGLISH NOVEL I
MR. MATHEWS

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.

374
THE ENGLISH NOVEL II
MR. MATHEWS

A study of selected major novels by Dickens, Thackeray, Eliot, The Brontes, Trollope and other writers of the period from the mid-nineteenth century to the early twentieth century. Designed especially for non-majors.

Prerequisite: English 221, 222.

†[376]
HISTORY OF THE ENGLISH
LANGUAGE

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 the reading knowledge examination.

378d
EXPOSITORY WRITING
MR. MIZNER

A course designed to help the student in any major field to become more proficient in the kind of writing demanded in professional life. Offered each semester.

Prerequisite: English 121.

*381, 382
WRITERS' WORKSHOP
MR. CRAIG

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 is given to other forms of writing.

Prerequisite: English 221, 222.

†[383, 384]
WRITERS' WORKSHOP

Practice in the writing of poetry. Study of some modern poets and aspects of the art of poetry. Major emphasis on student manuscripts.

*414
PRINCIPLES OF LITERARY
CRITICISM
MRS. COMPARETTI

Study of a sequence of critics, beginning with Aristotle, to discover principles of analysis, interpretation, and judgment of literary works, especially plays and poetry. This course is classified among those presenting materials from periods before 1800.

421, 422
SHAKESPEARE
MR. BENBOW

A study of selected plays with special attention to the intellectual background and to Shakespeare's development as a dramatist. In the first semester, a study of histories, romantic comedies, and early tragedies; in the second, problem comedies, tragedies, and romances. 422 may be elected separately, by permission of the instructor.

423, 424
MAJOR AMERICAN ROMANTICS
MR. BRANCACCIO

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.

French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102
ELEMENTARY FRENCH
STAFF

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work.

103, 104
INTERMEDIATE FRENCH
STAFF

Continued practice in the oral-aural skills; increasing emphasis on reading (short stories) and writing. These studies, and the review of grammar, are supplemented with drill work in the laboratory. (Special sections afford additional opportunity to increase oral fluency.)

Prerequisite: French 101, 102 or two years of high-school French and appropriate score on the placement test.

125, 126
INTRODUCTION TO FRENCH
LITERATURE
STAFF

Study of the development of the major genres from the Middle Ages to the 20th century. Classwork devoted to intensive reading and *analyse de texte*. Extensive reading outside of class. Discussion and compositions are chiefly in French.

Prerequisite: French 103, 104 or three years of high-school French and appropriate score on the placement test. Qualified students may be admitted to the second semester without the first.

211d
FRENCH COMPOSITION
STAFF

Extensive practice in oral and written composition; some translation from English to French. Attention to some finer points of grammar and elements of style. Offered each semester.

Prerequisite: French 125, 126 or consent of the instructor.

[223, 224]
CONVERSATIONAL FRENCH

Practice in oral French for students whose main interest is in the spoken language. Development of vocabulary by means of oral and written reports based on the culture and life of modern France. Discussion of current events to develop free oral expression. Training in grammatical and idiomatic construction. Conducted in French.

Prerequisite: French 125, 126, or consent of the instructor.

241, 242 CONTEMPORARY FRENCH LITERATURE STAFF	Introduction to literature of the 20th century, with representative works in prose, poetry, and theater. Conducted chiefly in French. <i>Prerequisite:</i> French 125, 126.
*341, 342 FRENCH LITERATURE OF THE SEVENTEENTH CENTURY MR. SMITH, MR. BUNDY	Study of the development of French classicism; particular attention to Descartes, Corneille, Molière, Pascal, La Fontaine, and Racine. Collateral readings on the social and historical background. Conducted chiefly in French. (Not open to students with credit for French 221, 222.) <i>Prerequisite:</i> French 241, 242 or consent of the instructor.
*343, 344 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY MR. KELLENBERGER	Study of the philosophical movement in France, with particular attention to Montesquieu, Voltaire, Diderot, and Rousseau. Literary history of the age with readings from important works in the field of belles-lettres. Conducted chiefly in French. <i>Prerequisite:</i> French 241, 242 or consent of the instructor.
*345, 346 FRENCH NON-FICTION OF THE NINETEENTH CENTURY MR. COX	Study of the various literary movements and major poets, dramatists, and critics of the 19th century. Conducted chiefly in French. <i>Prerequisite:</i> French 241, 242 or the consent of the instructor.
+[347, 348] THE FRENCH REALISTIC NOVEL	Study of the form and development of the realistic novel in France in the 19th and early 20th centuries, from Stendhal through Balzac, Flaubert, Zola to Proust. Conducted chiefly in French. <i>Prerequisite:</i> French 125, 126.
357 THE CONTEMPORARY FRENCH THEATER MR. SMITH	The development of French drama from the Theatre Libre to the present. Plays representative of the various movements, chosen from the works of Maeterlinck, Porto-Riche, Cœuvres, Claudel, Rostand, Lenormand, Sarmont, Cocteau, Giraudoux, Montherlant, Sartre, and others. Conducted chiefly in French. <i>Prerequisite:</i> French 241, 242 or consent of the instructor.
358 THE CONTEMPORARY FRENCH NOVEL MR. SMITH	The French novel from 1900 to the present day, with special emphasis on Gide, Mauriac, Saint-Exupère, and Camus. Conducted chiefly in French. <i>Prerequisite:</i> French 241, 242 or consent of the instructor.

411
TEACHING OF FRENCH
AND SPANISH IN THE
SECONDARY SCHOOL
MR. BUNDY

Problems and methods of teaching French and Spanish. Readings, discussions, practice work, and criticism. Some attention is also directed to the FLES program. Counts as three hours in education toward the Maine Secondary Certificate. Conducted in English.

Prerequisite: French 241, 242 or Spanish 221, 222 or Spanish 321, 322.

412
ADVANCED COMPOSITION
AND STYLISTICS
MR. BIRON

Study of the characteristics of French style as seen in various authors. Representative readings and free composition, with some work in the history of the language. Conducted in French.

Prerequisite: Consent of the instructor.

491, 492
TOPICS IN FRENCH
LITERATURE
MR. BUNDY, MR. SMITH

Topics, which change each semester, may cover an author, a genre, or a literary movement. Topics for 1965-66: 491, *Les Moralistes*; 492, *The Modern French Theater: Exploration and Revolt*. Conducted on a seminar basis.

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
INSTRUCTOR

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.

212 DESCRIPTIVE MINERALOGY MR. HICKOX	Description of the crystallography, physical properties, and chemical structure of minerals. <i>Prerequisite:</i> Chemistry 141.
†[221, 222] MAP INTERPRETATION AND GEOMORPHOLOGY OF THE UNITED STATES	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. <i>Prerequisite:</i> 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. <i>Prerequisite:</i> Geology 102.
251 PALEONTOLOGY INSTRUCTOR	Systematic study of fossils; evolution; the use of fossils in geologic correlations. <i>Prerequisite:</i> Geology 102 or Biology 122.
*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. <i>Prerequisite:</i> 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. <i>Prerequisite:</i> 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. <i>Prerequisite:</i> Geology 311.
†[313] ECONOMIC GEOLOGY	Study of formation, classification, and distribution of metallic and nonmetallic mineral deposits, petroleum, and coal. <i>Prerequisite:</i> Geology 212.

*314 PETROLEUM GEOLOGY INSTRUCTOR	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. <i>Prerequisite:</i> Geology 211.
*316 PHYSICS OF THE EARTH MR. HICKOX	Rigorous study of physical processes operating in the earth's interior, at the surface, and in the atmosphere. <i>Prerequisite:</i> Geology 242.
352 STRATIGRAPHY INSTRUCTOR	Study of the history of sedimentary rocks and the development of the North American continent; index fossils and their significance. <i>Prerequisite:</i> Geology 211, and Geology 251 or Biology 251.
461, 462 SPECIAL PROBLEMS IN GEOLOGY STAFF	Field and laboratory problems in geology, with regular reports and a final written report. <i>Prerequisite:</i> Permission of the instructor.

German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102 ELEMENTARY GERMAN STAFF	Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work.
103, 104 INTERMEDIATE GERMAN MR. BITHER AND STAFF	Continued practice in the oral-aural skills; increasing emphasis on reading and writing through use of modern prose and poetry. These studies, and the review of grammar, are supplemented with drill work in the laboratory. (Special sections have additional opportunity to increase oral fluency.) <i>Prerequisite:</i> German 101, 102 or two years of high-school German and appropriate score on the placement test.

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.

†[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
INSTRUCTOR

Characteristic works of representative men, including Novalis, Tieck, Schlegel Brothers, Eichendorff, Ruckert, Korner, 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
MR. SCHMIDT

Critical study of leading literary trends from naturalism to the new realism, with emphasis on the contribution of expressionism. Reading and interpretation of representative works of Thomas Mann, Hesse, H. v. Hofmannsthal, Werfel, Kafka, E. Junger, and others. An attempt is made to trace the effect of the past two wars on German literature. Oral and written reports. Conducted chiefly in German.

Prerequisite: German 107, 108 or special permission.

491, 492
TOPICS IN GERMAN
LITERATURE
MR. SCHMIDT

Topics vary from year to year, and may cover an author, a genre, or a literary movement. Each year one of the topics is Goethe's *Faust*. Conducted on a seminar basis.

Prerequisite: Consent of the instructor.

Government

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

141, 142
AN INTRODUCTION TO THE
STUDY OF POLITICAL ORDER
STAFF

In Government 141 a study is made of modern approaches to theoretical problems of the art and science of politics. Government 142 focuses attention on certain institutional and process phenomena of modern politics such as voting behavior, the executive, the judicial, the legislative process.

Open to freshmen only.

233
EUROPEAN CONSTITUTIONAL
GOVERNMENTS
INSTRUCTOR

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

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.

321, 322
POLITICAL THEORY
INSTRUCTOR

An analysis of some of the principal approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory.

Prerequisite: Social Science 121e, 122; or a previous course in government; or special permission.

323, [324]
AMERICAN CONSTITUTIONAL
LAW
INSTRUCTOR

A study of the United States Supreme Court and of constitutional litigation as part of the American political process.

Prerequisite: Government 234 or special permission.

†[333]
TOTALITARIAN GOVERNMENT
AND POLITICS

The ideological framework and organization and operation of political institutions such as those of the Communist world, Nazi Germany and Fascist Italy, with major attention given to Russia.

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

335
INTERNATIONAL RELATIONS
INSTRUCTOR

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.

336
INTERNATIONAL ORGANIZATION
INSTRUCTOR

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.

354
GOVERNMENTS OF
MODERN AFRICA
INSTRUCTOR

An analysis of political systems in Africa south of the Sahara.

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

*355
POLITICAL PARTIES
INSTRUCTOR

A study of American political parties.

Prerequisite: A previous course in government, preferably Government 234, or special permission of the instructor.

†[357]
POLITICAL BEHAVIOR

An interdisciplinary approach, emphasizing recent theoretical and empirical contributions to an understanding of personal and group behavior in a political context. This course is also applicable, as a course in sociology, toward the major in that department.

Prerequisite: Government 234 or Sociology 221e, 222.

†[373]
FEDERAL GOVERNMENT
AND REGIONALISM
INSTRUCTOR

An examination of the means and motives of regional integration as well as the problems involved in operating and maintaining federations. Attention will be paid to classical federal experience and to experiments in developing countries.

†[374]
PROBLEMS IN DEVELOPING
COUNTRIES
INSTRUCTOR

A study of selected topics including economic development, the role of the military, civil rights and minorities, and the relationship of party and bureaucracy.

†[377]
SPECIAL PROBLEMS IN LOCAL
GOVERNMENT

While problems dealt with 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 is the point of reference, and the comparative experience of America, England and France is emphasized. From time to time consideration is given to the analogous problem in the totalitarian society.

Prerequisite: one year-course, or equivalent, in government, or special permission.

392
THE LEGAL PROCESS
INSTRUCTOR

A study of legal reasoning, legal development and institutional-human dynamics in the legal situation. The relation of law to political philosophy, ethics and the behavioral sciences. Materials from public and private law, and from the continental as well as Anglo-Saxon systems. Intended primarily for students not anticipating a law career.

Prerequisite: permission of the instructor.

411d2
TOPICS IN
GOVERNMENT
STAFF

A study of government through special topics.

Prerequisite: Government major and special permission of the department chairman.

*414
SEMINAR IN COMPARATIVE
GOVERNMENT
INSTRUCTOR

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.

Prerequisite: permission of the instructor.

435
SEMINAR 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.

†[458]
FOREIGN POLICY OF THE
UNITED STATES

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.

Greek

IN THE DEPARTMENT OF CLASSICS

101, 102
ELEMENTARY GREEK
MR. WESTERVELT AND
MRS. KOONCE

Introduction to the language.

121, 122
INTERMEDIATE GREEK
MR. WESTERVELT AND
MRS. KOONCE

Reading in Greek prose and poetry.

Prerequisite: Greek 101, 102 or two years of secondary school Greek. This course is normally a prerequisite for all courses listed below.

[281a, 282a]
GREEK PROSE STYLE

Exercise in composition, based on reading of Greek prose.
Credit: one semester course. Offered on request.

351, 352
GREEK LITERATURE
STAFF

One or more of the following subjects are offered each year either as a full year course or as a one semester course. The subjects not offered in class may, with the approval of the instructor, be taken on an individual basis. Subjects available are:

Epic Poetry: primarily the *Iliad* and *Odyssey* of Homer.

Lyric Poetry: the Greek lyric, iambic, and elegiac poets, with particular emphasis on Pindar.

Tragedy: tragedies of Aeschylus, Sophocles, and Euripides.

Comedy: comedies of Aristophanes and Menander.

Historians: primarily Herodotus and Thucydides.

Philosophers: primarily Plato and Aristotle.

Orators and Later Prose Writers: primarily the Attic orators.

411, 412
INDEPENDENT READING IN GREEK
STAFF

Reading in a field of the student's interest, with essays and conferences.

History

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

141, 142
THE HISTORICAL PROBLEM
STAFF

An introduction to the college study of the historical discipline through a consideration of a number of distinctive problems in history. For the most part these will be problems in modern European history. Ordinarily, students will not be permitted to study with the same instructor for more than one semester. Open to freshmen only.

221, 222
HISTORY OF EAST ASIAN
CIVILIZATION
MR. ELISON

An approach to the interaction of cultures in East Asia. The first semester will be concerned primarily with the traditional civilization in China and Japan, but some attention will be given to peripheral areas.

The second semester will deal mainly with Chinese and Japanese reactions to Western stimuli in the nineteenth and twentieth centuries, and with the resulting problems of modernization.

The first semester is a prerequisite for the second.

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.

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.

237
THE EMERGENCE OF MODERN
BRITAIN, 1688-1867
MR. GILLUM

England and her colonies during the American, French and Industrial Revolutions.

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.

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.

This course cannot be counted toward fulfillment of the major requirement in history or government.

261e, 262
HISTORY OF THE ANCIENT WORLD
MRS. KOONCE

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.

281e, 282
HISTORY OF THE UNITED STATES,
1492 TO THE PRESENT
MR. BRIDGMAN

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.

†[323, 324]
DIPLOMATIC HISTORY, 19TH AND
20TH CENTURIES

The modern state system and the diplomatic relations existing among major powers. The first semester examines the development of power politics and European hegemony in what is known as the *old diplomacy*. The second semester emphasizes the *new diplomacy*, the waning of European hegemony and the growth of regional and world organizations.

Prerequisite: a one-year course, or equivalent, in history or government, or special permission of the instructor.

*334
MEDIEVAL ENGLAND: THE
ORIGINS OF THE COMMON LAW
MR. GILLUM

English history, from the Saxon invasion to 1485, as a background to the development of the principles of the Common Law. Open to sophomores by permission.

*336
TUDOR-STUART ENGLAND
MR. GILLUM

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.

341, 342
HISTORY OF RUSSIA AND THE
U.S.S.R.
MR. RAYMOND

The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes.

Prerequisite: one year-course, or equivalent, in history or government or special permission of the instructor. History 341 is a prerequisite for History 342.

*353
CONTEMPORARY EUROPE,
1914 TO THE PRESENT
MR. BERSCHNEIDER

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.

Prerequisite: one year-course, or equivalent, in history or government, or special permission.

*354
INTELLECTUAL AND CULTURAL
HISTORY OF MODERN EUROPE
MR. BERSCHNEIDER

A study of the principal trends and leaders of new thought (Darwin, Marx, Freud *et al.*) with emphasis on late-nineteenth and twentieth century intellectual developments.

[356]
MODERN FRANCE
AND ITALY

Emphasis placed on the theme of Liberalism and the challenges of Fascism and Communism from 1848 to the present.

Prerequisite: one year-course, or equivalent in history, or permission of the instructor.

363, 364
CULTURAL HISTORY OF JAPAN
MR. ELISON

Pre-modern and modern phases of Japanese history.

Prerequisite: a previous course in history; 363 is prerequisite for 364.

372
THE FRENCH REVOLUTION
AND NAPOLEON
MR. RAYMOND

An examination of European history from 1789 to 1815, with emphasis on political and social developments in France.

Prerequisite: one-year course, or equivalent, in history or government, or special permission.

[381, 382]
MODERN GERMANY

The governmental and economic development and the international influence of Germany from 1848 to the present time.

Prerequisite: one year-course, or equivalent, in history or government, or special permission. This course is not open to students who have received credit for History 374.

History 381 is a prerequisite for History 382.

*391
THE WESTWARD MOVEMENT
1763-1896
MR. BRIDGMAN

Emphasis placed on the West as a laboratory for political and economic experimentation.

†[392] CONTEMPORARY AMERICA	The political history of the United States from 1929 to the present. <i>Prerequisite:</i> History 281e, 282, or special permission.
†[393] THE SOUTH IN UNITED STATES HISTORY, 1819-1896	Selected topics in the history of the South and its peculiar institutions, during a period of incomplete transition from agrarianism to industrialism. <i>Prerequisite:</i> History 281e, 282, or special permission.
*394 SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES, 1900-1929 MR. BRIDGMAN	Selected topics illustrating the changing social organization and cultural assumptions of twentieth century Americans. <i>Prerequisite:</i> History 281e, 282, or special permission.
411d TOPICS IN HISTORY STAFF	A study of history through special topics. <i>Prerequisite:</i> history major and special permission of the department chairman.
415, 416 SEMINAR IN AMERICAN HISTORY MR. BRIDGMAN	Special topics in American history. Open by permission.
418 SEMINAR IN EUROPEAN HISTORY MR. BERSCHNEIDER	Methods of historical research and critical study of sources and documents in a special topic of European history. Open by permission.
433 SEMINAR IN ENGLISH HISTORY MR. RAYMOND	Reading and research on various topics in English history, with special attention devoted to political history in the nineteenth century. Open by permission.

Humanities

DIVISIONAL COURSES

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

Designed to show the methods and thought processes in several academic fields (science, history, philosophy, the arts, etc.). Students proceed through five units involving problems developed by the class and members of the faculty. The class is encouraged to develop hypotheses rather than to seek authority. Limited enrollment.

Italian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*211
DANTE
MR. KELLENBERGER

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 English or American literature; or English 222 or subsequent course in English or American literature with a mark of C or higher.

*212
ITALIAN LITERATURE OF THE
RENAISSANCE
MR. KELLENBERGER

Reading and interpretation of the major literary works from the 14th to the 16th century. The *Decamerone* of Boccaccio, the *Rime* of Petrarca, the *Orlando Furioso* of Ariosto, the *Principe* of Machiavelli, the *Cortegiano* of Castiglioni, and the *Gerusalemme Liberata* of Tasso. Lectures, reports, and discussions. Readings in English translation; no knowledge of Italian 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 grade of C or higher.

Latin

IN THE DEPARTMENT OF CLASSICS

101, 102
ELEMENTARY LATIN
STAFF

Introduction to the language. Open to students who have studied no Latin and to others as specified on page 3.

121, 122
INTERMEDIATE LATIN
MR. WESTERVELT AND
MRS. KOONCE

First semester devoted to reading of Cicero, with a systematic review of vocabulary and grammar; second semester to reading of Vergil's *Aeneid*.

Prerequisite: Latin 101, 102 or two years of secondary school Latin. Students offering three or four years of Latin may take 121, 122 if not adequately prepared for 141, 142.

141, 142
INTRODUCTION TO
LATIN LITERATURE
STAFF

Introduction to the history of Latin literature through reading and critical analysis of representative works of major authors and literary types.

Prerequisite: Latin 122 or four years of secondary school Latin. Students offering three years of Latin may take 141, 142 with permission of the department. This course is normally a prerequisite for all courses listed below.

[281a, 282a]
LATIN PROSE STYLE

Exercises in composition, based on reading of Latin prose. Credit: one semester course. Offered on request.

351, 352
LATIN LITERATURE
STAFF

One or more of the following subjects are offered each year, either as a full year course or as a one semester course. The subjects not offered in class may, with the approval of the instructor, be taken on an individual basis. Subjects available are:

Lyric Poetry: Catullus, the *Odes* of Horace, and other lyric poetry.

Dramatic Poetry: Comedy (Plautus and Terence) and tragedy (Seneca).

Elegy: Tibullus, Propertius, and Ovid.

Satire: The *Satires* and *Epistles* of Horace and other Latin satirical prose and poetry.

Philosophical Poetry and Prose: The *De Rerum Natura* of Lucretius, the philosophical writings of Cicero and Seneca, and the *Confessions* of St. Augustine.

Historians: primarily Livy and Tacitus.

Caesar and Cicero: political careers of Caesar and Cicero and relations between them, studied in their writings.

Rhetoric: Speeches of Cicero studied in connection with his rhetorical writings as well as those of Tacitus and Quintilian.

Vergil: the poems of Vergil, including *Eclogues*, *Georgics* and *Aeneid*, with some attention to post-Vergilian epic.

Medieval Latin: readings in post-classical Latin, particularly intended for students of Medieval and Renaissance history.

411, 412
INDEPENDENT READING IN LATIN
STAFF

Reading in a field of the student's interest, with essays and conferences.

Mathematics

111
ELEMENTARY FUNCTIONS
STAFF

The elementary mathematical functions and selected topics from college algebra, plane analytic trigonometry, and plane analytic geometry.

Prerequisite: three years of college preparatory mathematics.

112d
CALCULUS I
STAFF

A continuation of Mathematics 111 and an introduction to elementary differential and integral calculus. Offered each semester.

Prerequisite: Mathematics 111 or satisfactory achievement in the mathematics placement examination (see page 32).

211d
CALCULUS II
STAFF

Further study of differential and integral calculus, with selected applications. Offered each semester.

Prerequisite: Mathematics 112d.

212d
CALCULUS III
STAFF

A continuation of Mathematics 211d. Offered each semester.

Prerequisite: Mathematics 211d.

241, 242
ELEMENTARY STATISTICS
MR. HAYSLETT

Descriptive statistics; probability; binomial, Poisson, and normal distributions; sample theory; confidence intervals; regression; correlation; statistical design. Not open to mathematics majors.

Prerequisite: Mathematics 112d.

243, 244
FINITE MATHEMATICS
INSTRUCTOR

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. Statistics is not treated, but is offered in other courses. Not open to mathematics majors.

Prerequisite: Mathematics 112d.

311d
DIFFERENTIAL EQUATIONS
MR. JUNGHANS

Solutions of elementary differential equations and an introduction to partial differential equations. Offered each semester.

Prerequisite: Mathematics 212d.

<p>312 INTRODUCTORY APPLIED MATHEMATICS MR. JUNGHANS</p>	<p>Selected topics in applied mathematics, including vector analysis, Bessel functions, Fourier series, and solutions of differential equations by means of infinite series. <i>Prerequisite:</i> Mathematics 311d.</p>
<p>361, 362 HIGHER ALGEBRA INSTRUCTOR</p>	<p>Vector spaces, linear transformations, and matrices, with their applications in modern abstract algebra. <i>Prerequisite:</i> Mathematics 212d.</p>
<p>†[381, 382] INTRODUCTION TO MATHEMATICAL STATISTICS</p>	<p>Elementary probability theory; large-sample theory; small-sample theory; maximum likelihood estimates; confidence intervals; regression; correlation; statistical design. <i>Prerequisite:</i> Mathematics 212d.</p>
<p>421, 422 ADVANCED CALCULUS MR. COMBELLACK</p>	<p>More advanced topics of calculus, including maxima and minima in three and higher dimensions, Jacobians, curvilinear coordinates, special definite and improper integrals, beta function, gamma function, complex variables. <i>Prerequisite:</i> Mathematics 311d.</p>
<p>423, 424 HIGHER GEOMETRY INSTRUCTOR</p>	<p>A study of various geometries, with emphasis on algebraic methods. <i>Prerequisite:</i> Mathematics 361, 362.</p>
<p>441, 442 SPECIAL TOPICS STAFF</p>	<p>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. <i>Prerequisite:</i> Mathematics 311d and special permission.</p>

Music

<p>101,102 BAROQUE, CLASSICAL AND ROMANTIC MUSIC STAFF</p>	<p>A course intended for the greater understanding and enjoyment of music. Emphasis on musical style and historical background evident in the works of Bach, Handel, Mozart and the romantic composers. Reading and listening assignments.</p>
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<p>113 ART SONG REPERTOIRE MISS HEINRICH</p>	<p>A detailed study of art songs, French chansons, and German Lieder, beginning with the early Medieval secular music and continuing through the contemporary works of Claude Debussy, Hugo Wolf and others.</p>
<p>115d MIEVEAL AND RENAISSANCE MUSIC MISS HEINRICH</p>	<p>The history and development of music from Gregorian chant to the baroque period. Consideration of such forms as the motet, madrigal and the mass. Reading and listening assignments. Offered each semester.</p>
<p>121, 122 THEORY AND PRACTICE OF MUSIC STAFF</p>	<p>A course in musical notation, clefs, scales, intervals and chord structure. Ear training stressed through rhythmic, intervallic and melodic dictation and sight-singing. Melody writing and elementary harmony included. <i>Prerequisite:</i> permission of department.</p>
<p>211 HARMONY MR. RE</p>	<p>Harmonization of given and original melodies; analysis of compositions selected from major composers. <i>Prerequisite:</i> Music 121, 122.</p>
<p>212 ADVANCED HARMONY MR. RE</p>	<p>Continuation of 211 with special emphasis on keyboard harmony. <i>Prerequisite:</i> Music 211.</p>
<p>215 COUNTERPOINT MR. RE</p>	<p>A course dealing with the principles of melodic combinations. Illustrations from major works of contrapuntal art. <i>Prerequisite:</i> Music 211.</p>
<p>301, 302 THE VIENNESE CLASSICISTS MR. COMPARETTI</p>	<p>Emphasis on the instrumental works of Haydn, Mozart, Beethoven and Schubert. Study of form, reading of scores, harmonic analyses and some conducting techniques. <i>Prerequisite:</i> Music 101, 102.</p>
<p>†[305, 306] OPERA AND ORATORIO</p>	<p>The history and development of opera and oratorio. Detailed study of famous representative works and techniques. <i>Prerequisite:</i> Music 101, 102.</p>
<p>312 CONTEMPORARY MUSIC MR. RE</p>	<p>Study of trends in the art of music following the time of Wagner and the late romanticists. Consideration of varied techniques of twentieth century composers. <i>Prerequisite:</i> permission of instructor.</p>

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 each three semesters of such private instruction may be applied, as the equivalent of one semester course, toward requirements for the college degree.

Students interested in private lessons in voice are referred to Mr. Roger Nye or Mrs. Freda Gray-Masse; in stringed instruments, Mrs. Walter Habenicht, in piano, Mr. Peter Re.

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. No credit is given for less than four years of active participation. If this credit is applied toward graduation, payment must be made on the established per course basis.

Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

112
INTRODUCTION TO WESTERN
PHILOSOPHY
MR. HUDSON 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*.

211
MORAL PHILOSOPHY
MR. HUDSON

(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
LOGIC
MR. CLARK AND STAFF

Basic principles of logic, deductive and inductive, with problems of application in many fields of thought.

†[312]
SOCIAL PHILOSOPHY

An examination of leading socio-political ideologies, emphasizing normative aspects as well as relations between ideologies

and social institutions; findings will be related to contemporary societies.

Prerequisite: Social Science 121e, 122 or consent of the instructor.

*314
AESTHETICS
INSTRUCTOR

Problems that arise in analyses and criticisms of literature and the arts.

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

315
TYPES OF PHILOSOPHY
MR. HUDSON

A systematic study of the more important problems in metaphysics and epistemology and of the main types of metaphysical systems which deal with these problems: naturalism, idealism, personalism, and realism.

Prerequisite: Philosophy 112 or permission of the instructor.

*317
PHILOSOPHY OF SCIENCE
MR. PETERS

The course will deal with analytical and interpretive problems in the philosophy of science. Explanation, theory, observation, and associated concepts in the natural and social sciences will be considered.

†[319]
ETHICS AND
GENERAL THEORY
OF VALUE

An examination of philosophic approaches to the nature of value, especially ethical, judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating ethics to scientific findings.

Prerequisite: Philosophy 211 or consent of the instructor.

331
HISTORY OF ANCIENT
PHILOSOPHY
MR. CLARK

Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus.

332
HISTORY OF MODERN
PHILOSOPHY
MR. PETERS

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

†[351] AMERICAN THOUGHT	American philosophical thought from Jonathan Edwards to John Dewey, with particular attention to the American enlightenment, pragmatism, and American idealism. Readings include Edwards, Woolman, Jefferson, Paine, Emerson, Pierce, Royce, James, Bowne, Santayana, and Dewey. <i>Prerequisite:</i> two semester courses in philosophy or consent of the instructor.
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353 CONTEMPORARY PHILOSOPHY MR. PETERS	Major movements in philosophy since 1900. <i>Prerequisite:</i> two semester courses in philosophy or consent of the instructor.
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†[354] HISTORY OF MEDIEVAL PHILOSOPHY	From Augustine to William of Ockham with preliminary consideration of neo-Platonism. The interaction between philosophy and Christian theology in medieval Europe; the scholastics and issues to which they addressed themselves. <i>Prerequisite:</i> Philosophy 331 or permission of the instructor.
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†[355] INDIAN THOUGHT	Modern Indian philosophy. <i>Prerequisite:</i> permission of the instructor.
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*356 INDIAN THOUGHT VIII INSTRUCTOR	<i>Prerequisite:</i> permission of the instructor, and at least one previous course in Indian Thought.
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†[357] SYMBOLIC AND FORMAL LOGIC	Principals of semantics. Formal logic systematically studied. Mathematics and Logic.
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†[358] NINETEENTH CENTURY PHILOSOPHY	Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche and Bergson. Special attention to the revolt against reason, evolution, and alienation. <i>Prerequisite:</i> Philosophy 332 or two courses in philosophy.
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372 PHILOSOPHY OF RELIGION MR. TODRANK	A study of the basic postulates of religion, including 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. <i>Prerequisite:</i> one course in religion, preferably Religion 311, and one in philosophy; or consent of the instructor.
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491, 492
PHILOSOPHY SEMINAR
STAFF

Special topics chosen each year to meet the needs of the students involved. Ordinarily the course is limited to students majoring in the department. Others with special qualifications may be admitted with the consent of the instructors.

Physical Education

311
THE ORGANIZATION AND
TEACHING OF HEALTH
AND PHYSICAL EDUCATION
MR. WINKIN AND
MRS. BITHER

The practice and theory of those activities included in the program of athletics and physical education in the modern school program.

Prerequisite: special permission.

312
THE ADMINISTRATION OF
HEALTH AND PHYSICAL
EDUCATION
MR. WINKIN AND
MRS. BITHER

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.

Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

141, 142
GENERAL PHYSICS
MR. BANCROFT
AND MR. DUDLEY

An introductory course, quantitative in nature, stressing the interpretation of physical problems in graphical and analytical terms. Laboratory.

Prerequisite: Mathematics 111, 112d or equivalent (may be taken concurrently).

211
ELECTROMAGNETIC CIRCUITS
AND DEVICES
MR. OTTO

A first course in circuit analysis. A study of network theory, transients, alternating current theory, and introductory electronics. The course is designed to give a foundation for using modern methods of gathering physical data. Laboratory.

Prerequisite: Physics 142, and Mathematics 112d or equivalent.

212
OPTICS AND
ATOMIC SPECTRA
MR. BANCROFT

A study of light, and of the structure of the atom as revealed by the spectroscope. Consideration is given to the first order theory of geometrical optics in some detail, followed by physical optics, including interference, diffraction, resolving power, and measurement of wavelength. The spectrum of the "one-electron atom" is studied in detail. More advanced spectroscopic problems and the structure of the atom are discussed as class interests dictate. Laboratory.

Prerequisite: Physics 142, and Mathematics 212d (either passed with a grade of C or better or taken concurrently).

311
THERMODYNAMICS AND KINETIC
THEORY
MR. OTTO

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

Prerequisite: Physics 142, and Mathematics 212d (either passed or taken concurrently).

332
CLASSICAL MECHANICS
MR. OTTO

An introduction to analytical mechanics. Extensive use is made of vector analysis and of the calculus. Insofar as is practicable, the laboratory work is focused on the material developed in the classroom. Laboratory.

Prerequisite: Physics 142, and Mathematics 312 (either passed or taken concurrently).

421, 422
ELECTRICITY AND MAGNETISM
MR. BANCROFT

An introduction to electromagnetic theory and 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. Laboratory work centers around direct and alternating current components and networks, with particular reference to bridge measurements. Some material on electronics is included. Laboratory.

Prerequisite: Physics 332, Mathematics 311d, 312 (may be taken concurrently); or consent of the department.

441, 442
MODERN PHYSICS
MR. DUDLEY

An introduction to quantum theory, atomic and nuclear structure, and selected topics in areas of contemporary interest. Laboratory.

Prerequisite: Physics 332, 421, 422 (421, 422 may be taken concurrently).

451, 452
ADVANCED PHYSICS
STAFF

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

Prerequisite: Junior standing, at least, and permission.

Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

†[221, 222]
ELEMENTARY PORTUGUESE

Introduction to Portuguese as a second Romance language. Course presents the spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials.

Prerequisite: Successful completion of intermediate French or Spanish, or indication of equivalent proficiency by placement test. Open to freshmen with consent of instructor.

*311
PORTUGUESE LITERATURE
STAFF

A brief survey of Portuguese literature with emphasis on the *Lusiads* of Camoens.

*312
BRAZILIAN LITERATURE
STAFF

Representative works of Brazilian literature, stressing the novel of the 19th and 20th centuries.

Prerequisite: Portuguese 212 or 222.

Psychology

IN THE DEPARTMENT OF EDUCATION AND PSYCHOLOGY

221, 222
GENERAL PSYCHOLOGY
MR. GILLESPIE

An introduction to major topics in the investigation of both animal and human behavior. The first semester will consider sensory processes, perception, learning, and motivation; the second semester will deal primarily with personality and social psychology.

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- 314
DEVELOPMENTAL PSYCHOLOGY
MR. SMITH
- A study of the life continuum from infancy to old age, with special attention to childhood and the adolescent years.
Prerequisite: Psychology 222 or equivalent.
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- 342
PSYCHOLOGY OF LEARNING
MR. Zohner
- The study of behavior from the standpoint of learning. A review and analysis of experimental literature in the context of principles and theories.
Prerequisite: Psychology 221, 222.
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- 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 are examined in detail.
Prerequisite: Psychology 222 and Mathematics 242; or their equivalent.
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- 354
ABNORMAL PSYCHOLOGY
MR. PEREZ
- An introduction, with special emphasis on the dynamics of the neurotic and psychotic personalities.
Prerequisite: Psychology 222 (or equivalent), or permission of the instructor.
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- 381, 382
EXPERIMENTAL PSYCHOLOGY
MR. Zohner
- Discussion of the planning, execution, and interpretation of research in psychology, with special attention to the areas of learning and perception.
Prerequisite: Psychology 222 and Mathematics 242; or permission of the instructor.
-
- 415
SYMBOLIC PROCESSES
MR. GILLESPIE
- 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 382.
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- 416
CULTURE AND PERSONALITY
MR. GILLESPIE
- The study of relationships between individual personality and the sociocultural setting; cross-cultural variability and "national character" are especially considered.
This course is also applicable as a course in sociology toward the major in that department.
Prerequisite: permission of the instructor. Limited to senior majors in psychology or sociology.

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, in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: permission of the department.

Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

111
INTRODUCTION TO WESTERN
RELIGION
MR. TODRANK

The Judeo-Christian tradition; its origins and growth, and its influence on western culture. This course provides a 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 to gain understanding of the development of the religion of Israel and the principal ideas of its religious message.

214
THE BIBLE: NEW TESTAMENT
MR. TODRANK

Reading and study of the New Testament and the Apocrypha 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.

311
GREAT RELIGIONS OF THE WORLD
INSTRUCTOR

An account of the origins and chief characteristics of Hinduism, Buddhism, Taoism, Confucianism, Zoroastrianism, and Islam.

*312
RELIGION IN AMERICAN LIFE
INSTRUCTOR

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 311 or special permission.

†[315]
RECENT TRENDS IN
CHRISTIAN THOUGHT

An analysis and comparison of significant trends in Christian thought since 1900, including Protestant liberalism, neo-orthodoxy, existentialism, emphasis on language in religion, and possible contributions in process philosophy. Also new accents in Roman Catholic thought as seen particularly in the Second Vatican Council.

Prerequisite: Two semester courses in religion or consent of the instructor.

491, 492
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

101, 102
ELEMENTARY RUSSIAN
MR. TSURIKOV

Introduction to the language by a modified audio-lingual method with emphasis on understanding, speaking, and reading, and presentation of the Cyrillic alphabet. Use of taped materials in the language laboratory is a regular part of the class work.

103, 104
INTERMEDIATE RUSSIAN
MR. TSURIKOV

Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through study of selections from Russian literature. These studies, and the review of grammar, are supplemented with drill work in the language laboratory.

Prerequisite: Russian 101, 102 or two years of high-school Russian and appropriate score on the placement test.

225, 226
ADVANCED RUSSIAN
MR. KEMPERS

Along with continued work on the language, the study and interpretation of significant works of Russian literature is introduced. Readings in the field of intellectual history. Discussion and papers are primarily in Russian.

Prerequisite: Russian 103, 104 or three years of high-school Russian and appropriate score on the placement test.

321, 322
INTRODUCTION TO RUSSIAN
LITERATURE
MR. KEMPERS

A study of complete works of some of the great Russian authors of the 19th century, with emphasis on the novel and theater.

Prerequisite: Russian 105, 106 (now 225, 226) or consent of the instructor.

491, 492
TOPICS IN RUSSIAN
LITERATURE
MR. KEMPERS

Topics, which change each semester, may cover an author, a genre, or a literary movement. Topics for 1965-66: 491, Pushkin; 492, Chekhov. Conducted on a seminar basis. May be repeated for credit when topic varies.

Prerequisite: permission of the instructor.

Social Science

DIVISIONAL COURSES

121c, 122
GREAT SOCIAL THINKERS
AND PROBLEMS OF THE
WESTERN WORLD
MR. CLARK AND STAFF

In the first semester, thinkers influential in the development of Western social thought considered through a reading of their works set against the background of their times. In the second semester, group and seminar methods applied to problems raised by consideration of the bearing of first semester readings on contemporary social thought.

To be considered in 1965-66: Plato, St. Thomas Aquinas, Machiavelli, Hobbes, Locke, Adam Smith, J. S. Mill, and Marx. Problems to be investigated during the second semester will be announced during the first.

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.

<p>*311 NORMATIVE SOCIAL THEORY MR. BIRGE</p>	<p>A study of normative social theory with special emphasis upon such works as Plato's <i>Republic</i>, Owen's <i>A New View of Society</i>, and Bellamy's <i>Looking Backward</i>. <i>Prerequisite:</i> Sociology 221, 222.</p>
<p>*312 HISTORY OF SOCIOLOGICAL THEORY STAFF</p>	<p>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 is emphasized. <i>Prerequisite:</i> Sociology 221, 222.</p>
<p>†[331] INTRODUCTION TO SOCIAL WORK</p>	<p>This course will focus on the nature of social work, including some considerations of its history. It is designed to acquaint the student with types of social work now practiced and some of the modern techniques. There will be at least three required field trips during October and/or November. This course cannot be used to fulfill the requirements for the major. <i>Prerequisite:</i> Sociology 221, 222.</p>
<p>†[332] DELINQUENCY AND CRIME</p>	<p>Delinquency and crime are studied in social and cultural perspective; conditions and situations which encourage anti-social conduct, the philosophy and practice of punishment, and programs for reducing or eliminating delinquency and crime. <i>Prerequisite:</i> Sociology 221, 222.</p>
<p>352 RACE AND MINORITIES STAFF</p>	<p>This course presents the major problems of race and minority groups in the modern world. <i>Prerequisite:</i> Sociology 221, 222.</p>
<p>†[353] URBAN SOCIOLOGY</p>	<p>An eclectic study of the city as a sociological phenomenon: the historical and ecological development of the city; population and selective migration; group life and personality; and organization and disorganization of urban areas. <i>Prerequisite:</i> Sociology 221, 222.</p>
<p>†[354] COMPARATIVE SOCIAL SYSTEMS</p>	<p>A comparative study of contemporary societies, including "advanced" and "backward" countries. Western countries are compared to such eastern societies as China and India. <i>Prerequisite:</i> Sociology 221, 222.</p>

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- *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
STAFF
- An analysis of the nature of social classes, their relationship to their societal environment, and the influence of stratification upon behavior. Theories of stratification and evidence for them is emphasized.
Prerequisite: Sociology 221, 222.
-
- 373
THE FAMILY
STAFF
- 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.
-
- 391
COLLECTIVE BEHAVIOR
MR. GEIB
- 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
STAFF
- Although an historical approach is used at times, this course is primarily theoretical in nature. It attempts a study of the mechanisms, functions and the consequences of social change. Particular attention is directed to the relevance of social change for the social order.
Prerequisite: Sociology 221, 222.
-
- 393
COMPLEX SOCIAL ORGANIZATIONS
STAFF
- An analysis of today's large secondary organizations — the military, the church, business corporations, academic institutions. The purpose of the course will be to develop a perspective by which these organizations may be understood.
Prerequisite: Sociology 221, 222.
-
- 401, 402
SOCIOLOGY SEMINAR
MR. GEIB
- A seminar on the major problems of sociology as a science. Much of the work is devoted to individual projects.
Prerequisite: senior standing and permission of the instructor.

INTERDEPARTMENTAL
COURSE

Psychology 413, *Culture and Personality*, is also applicable toward fulfillment of the major in sociology (see psychology listings for descriptions of this course).

Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102
ELEMENTARY SPANISH
STAFF

Introduction to the language by an audiolingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work.

103, 104
INTERMEDIATE SPANISH
STAFF

Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of readings from Spanish and Latin American literature.

These studies, and the review of grammar, are supplemented with drill work in the laboratory.

Prerequisite: Spanish 101, 102 or two years of high-school Spanish and appropriate score on the placement test.

121, 122
SPANISH AND HISPANIC-
AMERICAN CIVILIZATION
INSTRUCTOR

Offered in lieu of special sections of Spanish 103, 104 this introduction to the main aspects of the historical and cultural development of the Spanish speaking world is important for an understanding of its literature, art, and customs. The first semester deals with Spain, the second with Latin America. Conducted chiefly in Spanish.

Prerequisite: Spanish 101, 102 with a grade of B or three years of high-school Spanish and appropriate score on the placement test. May be elected concurrently with Spanish 141, 142.

141, 142
INTRODUCTION TO SPANISH
LITERATURE
STAFF

A survey of Spanish literature from the earliest works through the 19th century. Reading of representative works supplemented by lectures and discussions. Conducted chiefly in Spanish.

Prerequisite: Spanish 103, 104 or 121, 122. The latter may be taken concurrently.

211d
SPANISH COMPOSITION
MR. CAUZ

Extensive practice in oral and written composition; some translation from English to Spanish. Attention to some finer points of grammar and basic considerations of style. Offered each semester.

Prerequisite: Spanish 141, 142 or consent of the instructor.

257
THE GENERATION OF 1898
MR. CAUZ

Study of the more important members of the generation of 1898, with emphasis on Unamuno, Azorin, Baroja, Valle-Inclan, and Machado. Conducted chiefly in Spanish.

Prerequisite: Spanish 141, 142.

258
SPANISH LITERATURE OF
THE TWENTIETH CENTURY
MR. CAUZ

Outstanding prose and poetic works of the contemporary period with emphasis on living authors. Conducted chiefly in Spanish.

Prerequisite: Spanish 141, 142.

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 257, 258 and permission of the instructor.

*321, 322
HISPANIC-AMERICAN
LITERATURE
INSTRUCTOR

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 141, 142.

†[351]
THE THEATER OF THE
GOLDEN AGE

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

Prerequisite: Spanish 257, 258.

†[352]
THE NOVEL OF THE
GOLDEN AGE

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 257, 258.

*355
SPANISH DRAMA AND POETRY
OF THE NINETEENTH CENTURY
INSTRUCTOR

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 257, 258.

*356
THE SPANISH NOVEL OF THE
NINETEENTH CENTURY
INSTRUCTOR

The development of the regional and realistic novel of the nineteenth century, studied through the works of Fernan Caballero, Alarcon, Valera, and Pereda, with particular attention to the works of Perez Galdos. Conducted chiefly in Spanish.

Prerequisite: Spanish 257, 258.

491, 492
TOPICS IN SPANISH AND
LATIN AMERICAN
LITERATURE
STAFF

Topics, which change each semester, may cover an author, a genre, or a literary movement. Conducted on a seminar basis.

Prerequisite: Consent of the instructor.

Preparation for Graduate and Professional Schools

The dean of the faculty is general adviser on matters related to graduate study; information on graduate programs is available in his office. He works closely with department chairmen, major advisers, and members of faculty committees to inform students of opportunities for fellowships and scholarships in graduate schools. From this office students may obtain information on graduate and professional school admissions tests for prospective applicants to graduate schools of arts and sciences, law, medicine, and business administration.

ARTS AND SCIENCES

Every year Colby graduates enter many different graduate schools to work toward advanced degrees in art, music, history, classics, English, economics, modern languages, sociology, psychology, philosophy, or the natural sciences. Interested students should confer with the chairmen of their departments, their major advisers, and the dean of the faculty. Seniors 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 will profit from early consultation with members of the committee. The law school admission test is given at the college each year.

DENTISTRY

Although some dental schools admit applicants after three years, and sometimes only two years, of college work, the leading schools prefer students with a 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, strongly advises 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 ordinarily taken in the spring of the student's junior year.

ENGINEERING

Colby College and the University of Rochester are arranging a joint program whereby a student may acquire an education in the liberal arts and also in engineering in a five-year period, with three years spent at Colby College and two at the University. On successful completion of the program the student

may be awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from Rochester. 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 done 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 a provisional certificate from the Maine State Department of Education. This will permit them to teach those subjects which do not, like art or music require courses in special education.

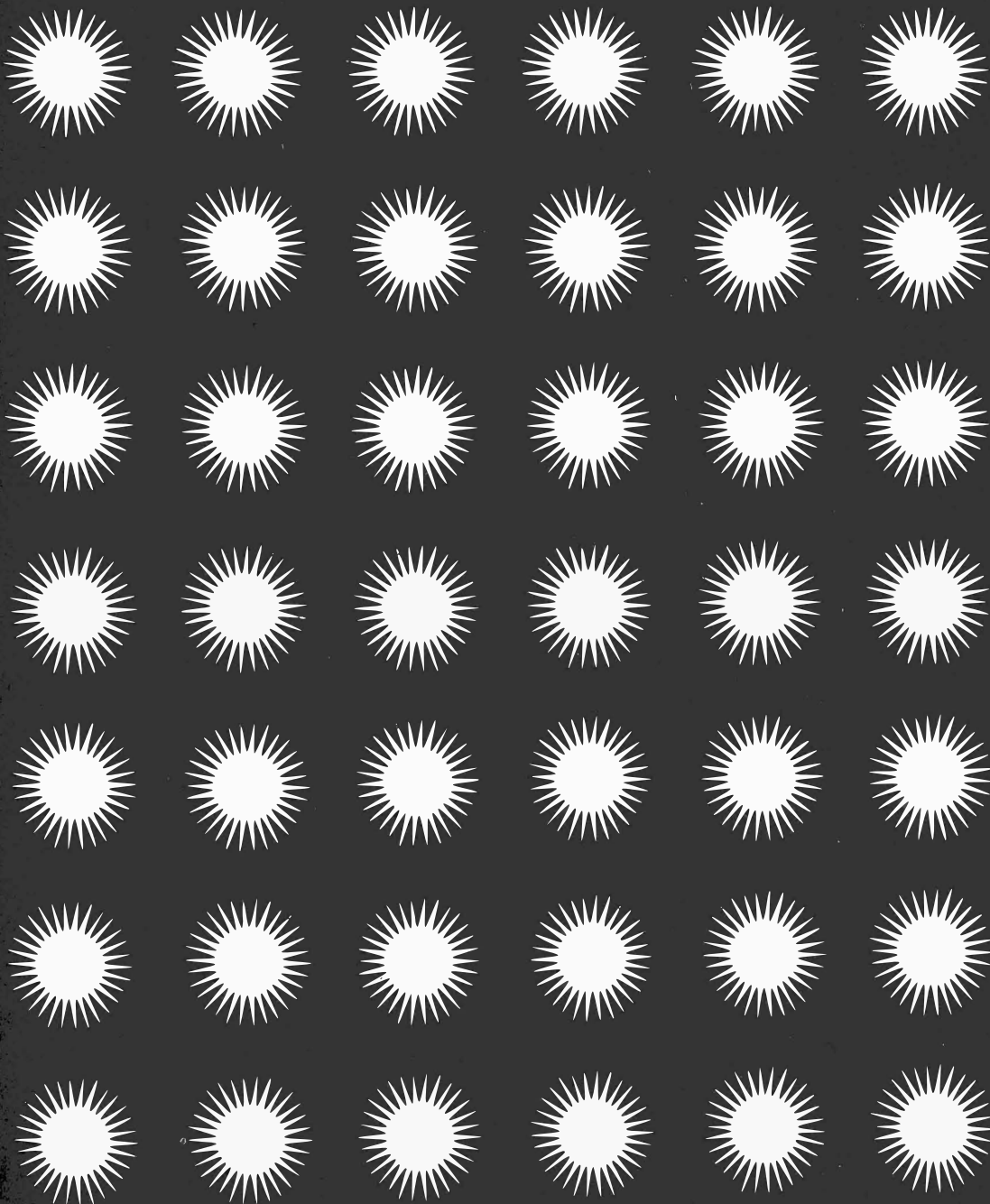
Colby's offering will also enable requirements to be met in many other states; but, because of the variation in requirements, a student who wishes to teach outside Maine should obtain information from the appropriate department of education.

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

The secondary school teaching committee of the faculty serves as adviser to students interested in a program leading to teaching at this level.

BUSINESS ADMINISTRATION

The training for positions in business and industry offered by the graduate schools of business administration at Harvard, Chicago, 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.



III DIRECTORIES

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The Corporation

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(1966)	ALLAN CHARLES SCOTT, PH.D.	<i>Waterville, Maine</i>

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- EDWARD JOSEPH COLGAN, M.A., SC.D., L.H.D.
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- KINGSLEY HARLOW BIRGE, PH.D. (Dartmouth, Yale)
Professor of Sociology
- WALTER NELSON BRECKENRIDGE, M.A. (Tufts)
Professor of Economics
- JEAN D. BUNDY, PH.D. (Washington State, Wisconsin)
Professor of Modern Languages
- JAMES MORTON CARPENTER, PH.D.⁵ (Harvard)
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- RICHARD CARY, PH.D. (New York University, Cornell)
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Roberts Professor of English Literature
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- ERMANNIO F. COMPARETTI, PH.D. (Cornell)
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Professor of Business Administration

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Associate Professor (designated Professor) of Aerospace Studies
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- JAMES MACKINNON GILLESPIE, PH.D. (Harvard)
Associate Professor of Psychology
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Associate Professor of Geology
- HENRY HOLLAND, PH.D.⁶ (Maine, Harvard, Madrid)
Associate Professor of Modern Languages
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- **CLAIRE B. WADE, M.A. (S. U. of Iowa)
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- BOOK OF THE YEAR** Professors Carpenter, Judah, and Wees; Mr. J. Carroll, Mr. Hayslett, and Mr. Hudson.
- BOOKSTORE** Professors Sutherland, Fisher, Meader, and Seepe; Mr. Brancaccio.
- COMMENCEMENT** Assistant to the Alumni Secretary, Mr. Farr; Vice-President Williams; Vice-President Turner; Professors Blake, E. Comparetti, Loeb, Macomber, Millett, Pullen, and Simpson; Mr. Coleman; Asst. to the President, Mr. Dyer; Superintendent of Buildings and Grounds, Mr. Whalon; Director of Food Services, Miss Nichols; Director of Runnals Union, Mrs. Hamilton; a senior man and a senior woman.
- DISCRIMINATORY PRACTICES** Professor Scott; Deans Nickerson and Seaman; Professors Davis, Geib, Rosenthal, and Rothchild.
- EDUCATIONAL POLICY** Dean Johnson; Professors Clark, E. Comparetti, and Koons (1965); Professors Breckenridge, Gillum, and L. Zukowski (1966); Professors Bundy, Chapman, and Scott (1967); Admin. Asst. to the President, Professor Rosenthal will act as Secretary.
- SUBCOMMITTEE ON FRESHMAN YEAR** Professors Koons, Clark, Kellenberger, MacKay, Mavrinac, Schmidt, and Scott.
- SUBCOMMITTEE ON JANUARY PROGRAM** Professors Kellenberger, Gillespie, and Hickox.
- EXAMINATIONS AND SCHEDULE** Professors Gillespie, Combellack, Cox, Ray, N. Smith, and Winkin; Mr. Mathews; and Registrar, Professor Loeb.
- FACULTY RESEARCH, TRAVEL, AND SABBATICALS** Dean Johnson, Vice-President Williams; Professors Breckenridge, Carpenter, and Reid.
- FINANCIAL AID** Vice-President Williams; Deans Nickerson, and Seaman; Treasurer, Professor Seepe; Dean of Admissions, Mr. Carroll; Director of Placement, Mr. McKeen; Professors Fairley, and Gillespie (1965); Professor Machemer (1967); and Professor Todrank, substituting for Professor Biron (1966), who is on sabbatical leave.
- FOREIGN STUDENTS AND FOREIGN STUDY** Professor Holland; Deans Johnson, Nickerson, and Seaman; Professors P. Bither, Cauz, Easton, and G. Smith; Mr. Green and Mr. Weinbaum; and Registrar, Professor Loeb.
- FRESHMAN WEEK** Assistant to the Dean of Admissions, Mr. Tolette; Deans Johnson, Nickerson, and Seaman; Treasurer, Professor Seepe; Professors

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HONORARY DEGREES	Professors G. Smith, Birge, Mavrinc, Millett, Perez, Re, Reid, Sutherland, and L. Zukowski.
LIBRARY	Professors Osborne, Benbow, Blake, Junghans, Kempers, Libbey, Mavrinc, Reid, Simpson, Witham, and Tatem.
PROFESSIONAL PREPARATION	Ex officio members: Deans Nickerson and Seaman; and Director of Placement, Mr. McKeen.
COLLEGE TEACHING	Professors Easton, Birge, A. Comparetti, Fairley, and Gillum.
ENGINEERING	Professors Ray and Junghans.
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MEDICINE	Professors Terry, Chipman, and Machemer; Dr. Dore, Dr. Heath, Dr. Hill, Dr. Pfeiffer, and Dr. Reynolds.
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REMEMBRANCE	Professors M. Bither, Libbey, Macomber, Marchant, and Osborne.
SENIOR SCHOLARS	Professors Chapman, Bridgman, Cary, Davis, Fisher, Miller, Raymond, and Schmidt.
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**Effective September 1965

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SUNDAY, JUNE 6, 1965

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Claude Lincoln Buller, *North Haven, Conn.*
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David Sumner Cutler, *Duxbury, Mass.*
Christopher Michael Dakin,
Falls Village, Conn.
Bruce Merlin Davey, *Rochester, Minn.*
Richard Winthrop Davis, *Needham, Mass.*
Myles Robert Denny-Brown, *Cambridge, Mass.*
Alfred John DiMaio, Jr.,
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 Arlana Ruth Kogut, *West Islip, N. Y.*
 Rebecca Lowd Legro, *Springvale*
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 Jill Margaret Long, *East Craftsbury, Vt.*
 Lynn Ann Longfellow, *Manchester, Conn.*
 Anita Louise Loomis, *Wakefield, Mass.*
 Margaret Ann Lutz, *Somerville, N. J.*
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As of the Class of 1961
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Magna Cum Laude
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 Virginia Cole Henkle
 Harriett Fran Holmes
 Barbara Ross Howard
 Candice Joy Wilson

Cum Laude
 Timothy Fuller Cleghorn
 Terry Ellen Cox
 Barry Lester Feinberg
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 Judith Ellen Guptill
 David Fairbanks Haskell
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French
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German
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Lloyd Hartman Elliott

Doctor of Laws

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Master of Arts

William Henry Hughes

Master of Arts

John A. Pollard

Doctor of Humane Letters

Abbie Gertrude Sanderson

Doctor of Divinity

Joseph Sataloff

Doctor of Science

U Thant

Doctor of Laws

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Shepard Jeremiah Kantor

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*An Investigation of the Form and Content
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*The Image of the Modern German Man as
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Harvey Joe Hylar
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Knowledge in Renaissance Philosophy and its
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European Art*

Stuart Harvey Rakoff
*The Political Manifestations of Ethnocentrism:
The French Canadians in Waterville, Maine*

Thomas Aloysius Donahue
The Maya: Five Hundred Years Later

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(Helen Palen, '51)
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Miss Miriam Hardy, '22
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Mrs. Arthur Eddy
(Barbara Guernsey, '54)
Hotchkiss School

Mr. Arthur White, '52
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Glacier Ranger Station

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Mrs. John W. Daggett
(Natalie Moores, '42)
6260 N. Santa Monica Boulevard

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATION'S OF STUDENTS' HOMES
1965-66

	<i>Total</i>	<i>Men</i>	<i>Women</i>		<i>Total</i>	<i>Men</i>	<i>Women</i>
				OUTSIDE THE UNITED STATES			
ALL AREAS	1398	820	578	Aden	34	24	10
NEW ENGLAND	995	564	431	Canada	1	1	
Connecticut	148	88	60	Columbia	8	6	2
Maine	274	136	138	England	1	1	
Massachusetts	451	282	169	France	1	1	
New Hampshire	77	44	33	Greece	3	3	
Rhode Island	29	11	18	Hong Kong	2	1	1
Vermont	16	3	13	India	2	1	1
				Ivory Coast	1		
OUTSIDE NEW ENGLAND	369	232	137	Japan	1	1	
Alabama	1		1	Jordan	1	1	
California	6	5	1	Lebanon	1	1	
Colorado	1		1	Malawi	2	2	
Delaware	1		1	Mexico	1		1
District of Columbia	1	1		Morocco	2	1	1
Florida	8	4	4	Norway	1	1	
Hawaii	4	1	3	Switzerland	1		1
Illinois	10	2	8	Syria	1	1	
Indiana	2	1	1	Tanganyika	1		1
Iowa	1		1	Tchad	1	1	
Kansas	1		1	Trinidad	1		1
Maryland	14	4	10				
Michigan	5	1	4				
Minnesota	5	4	1				
Missouri	3	2	1				
Nevada	1		1				
New Jersey	96	54	42				
New York	163	110	53				
North Carolina	2		2				
North Dakota	1		1				
Ohio	24	12	12				
Pennsylvania	49	22	27				
Tennessee	3	1	2				
Texas	1		1				
Virginia	9	3	6				
Washington	3	1	2				
Wisconsin	7	4	3				

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