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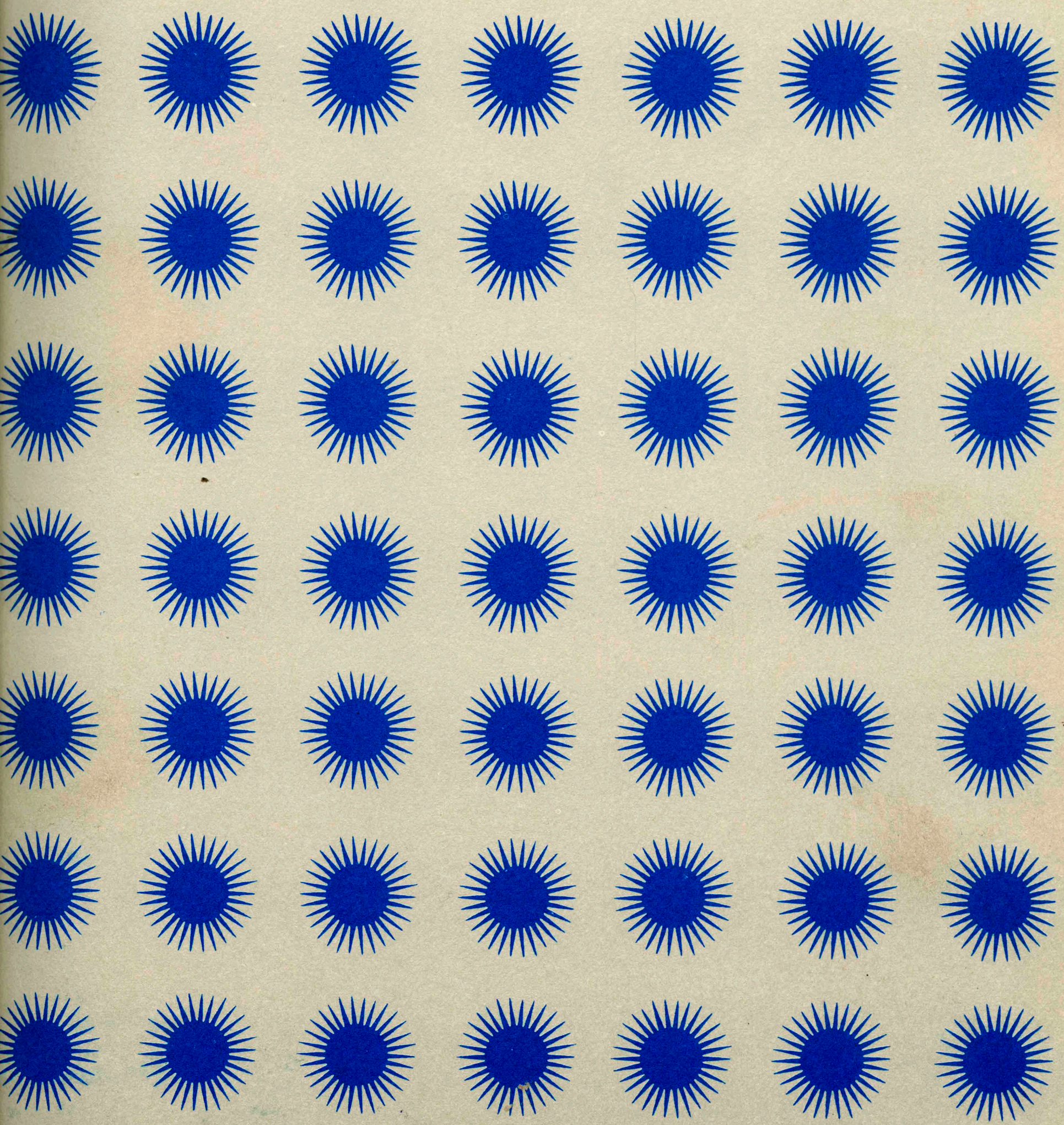
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COLBY COLLEGE BULLETIN

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Catalogue Issue May 1970



COLBY COLLEGE BULLETIN

WATERVILLE, MAINE • FOUNDED IN 1813 • ANNUAL CATALOGUE ISSUE • MAY 1970

Colby
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1970/71

Inquiries to the college should be directed as follows:

ADMISSION

HARRY R. CARROLL, *Dean of Admissions*

ADULT EDUCATION AND
SUMMER PROGRAMS

JOHN B. SIMPSON, *Director of Summer and Special Programs*

FINANCIAL

ARTHUR W. SEEPE, *Treasurer*

HEALTH AND
MEDICAL CARE

CARL E. NELSON, *Director of Health Services*

HOUSING

JONAS O. ROSENTHAL, *Dean of Students*

PLACEMENT

EARLE A. MCKEEN, *Director of Career Planning and
Placement*

RECORDS AND TRANSCRIPTS

GEORGE L. COLEMAN, *Registrar*

SCHOLARSHIPS AND
EMPLOYMENT

CHARLES F. HICKOX, JR., *Director of Financial Aid and
Coordinator of Government Supported Programs*

VETERANS' AFFAIRS

GEORGE L. COLEMAN, *Registrar*

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

College address: Colby College, Waterville, Maine 04901.

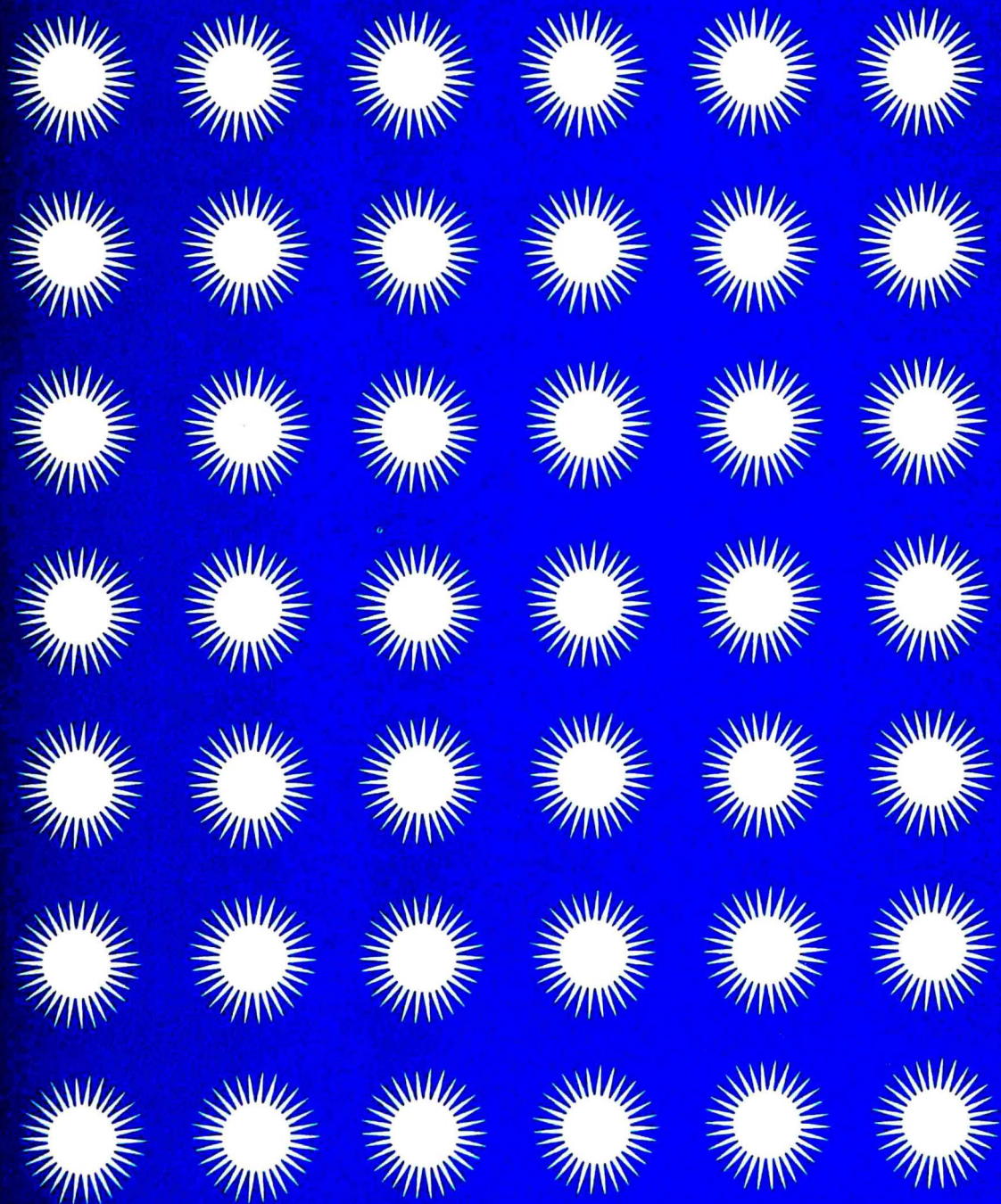
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MAY 1970

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I GENERAL INFORMATION

- 6 COLBY YESTERDAY AND TODAY
- 12 THE CAMPUS
- 14 THE LIBRARY
- 15 THE ACADEMIC PROGRAM
- 31 ADMISSION
- 35 ORIENTATION FOR FRESHMEN
- 36 FEES AND FINANCIAL AID
- 44 STUDENT LIFE AND ACTIVITIES

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	800 men, 700 women.
FACULTY	132 full and part time.
ENDOWMENT	\$15,000,000 (book value).
LIBRARY	Over 275,000 volumes, and 15,000 microtexts; 900 current subscriptions to periodicals.
ACCREDITATION	Accredited by the New England Association of Colleges and Secondary Schools. Member of the College Entrance Examination Board, the Association of American Colleges, the American Council on Education. Approved by the American Chemical Society, Association of American Medical Schools, American Association of University Women, the American Association of University Professors. The Colby chapter of Phi Beta Kappa was founded in 1895.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded woodpulp products, shirts, plastics. Bus service: Greyhound Lines. Airport with service of Northeast Air Lines at Augusta; Executive Air Lines at Waterville. 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 which authorized the establishment of the Maine Literary and Theological Institution, but withheld 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 seven theological students.

During his first year Chaplin was the only teacher, conducting classes in a farmhouse opposite what is now the Central Fire Station. In 1819 he was joined by professor of languages, the Reverend Avery Briggs. 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 to undergraduate studies in liberal arts.

Soon after Chaplin's arrival, the trustees purchased land extending eighty rods along the Kennebec River and 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 truly could be called 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 men not of the faith, 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 of his studies, or be denied admission to the Institution, on the grounds 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 have nurtured the college through infancy and supported it for more than a century and a half.

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 industrial 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. Colby is now, officially, a coeducational college.

During the early years the trustees were compelled to sell much of the college land in Waterville and after the first world war Colby found its campus confined to thirty crowded acres comprising 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 risen from 600 to over 1,500, and the students come from more than two thirds of the states and many foreign countries. The faculty, numbering 56 in 1940, now exceeds 130. During the same years the endowment has increased from less than three million dollars (original cost) to more than fifteen million. Accompanying the physical expansion has been a growth in variety and quality of the curriculum enabling an increasing 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." Colby has continued to explore the possibilities of liberal arts education, experimenting with new educational programs — enriching the traditional liberal arts program while remaining responsive to a changing universe.

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.

It is the philosophy of the college that responsibility be given the student: 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 directly bears out this philosophy. The college's *January Program of Independent Study* has as its purpose the encouragement of the student to acquire both the habit and the methods of exploring a particular field of knowledge on his own, 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 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 enter

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. Nevertheless one of the justifications of the liberal arts education is that a student need not constrict his view.

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 38 new buildings stand on a campus of about 1,000 acres, one of the most modern and beautiful in the nation.

The first building was *Lorimer Chapel*. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. Its specifications were drawn up by Albert Schweitzer. The *Rose Chapel* adjoins the main building.

At the center of the campus is *Miller Library*, described in full on page 14.

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, named for the Colby graduate who was one of America's earliest martyrs for freedom of the press. 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 arts, and travelling exhibitions, are regularly shown in the *Jetté Gallery*. The *Given Auditorium* is acoustically designed for musical performances and is used for chamber music and film showings.

Colby women are housed in *Mary Low, Foss, Averill, Dana, East* (made up of three units: *Small, Champlin, and Butler*), *Sturtevant*, and *Taylor Halls*. Housing for men is found in *Coburn, Johnson, Leonard, Marriner, West* (com-

prised of *Robins*, *Chaplin*, and *Pepper*), and *Woodman Halls* and in eight fraternity houses: *Delta Kappa Epsilon*, *Zeta Psi*, *Delta Upsilon*, *Phi Delta Theta*, *Alpha Tau Omega*, *Tau Delta Phi*, *Lambda Chi Alpha*, and *Kappa Delta Rho*. All dining is coeducational. *Roberts Union* houses the *Sherman M. Perry Infirmary*, guest rooms, student organization offices, lounges, the *Seaverns Bookstore*, and the *Paper Wall*. The *Ninetta F. Runnals Union* is a center for social events and contains a gymnasium with stage for dramatics and lectures.

Athletic facilities are contained in the new physical education and athletic complex and consist of the *Wadsworth Gymnasium* (badminton, volleyball, and four basketball courts), *Alfond Ice Arena*, the fieldhouse (an eight-lap-to-the-mile track, a baseball diamond, and tennis courts), the *Dunaway Squash and Handball Courts*, and the swimming pool.

Outdoors there are some fifty acres of playing fields: two football fields, two baseball diamonds; a soccer field; fourteen tennis courts, and space for field hockey, archery, and informal games. Approximately three miles from campus, the college owns a ski area which has a T-bar, rope tow, night-lighted slope, jump, lodge, and snowmaking equipment.

Part of the woodland surrounding the campus has been designated as a wildlife sanctuary, *The Perkins Arboretum*, and includes about one hundred acres.

The Library

The library plays 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 275,000 volumes. A periodical collection consisting of over 900 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 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 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, John Masefield, William Dean Howells, and Thomas Mann. 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.

Among the latest additions are a collection of Russian literature in Russian which was given by the class of 1957, and a collection of books on East Asia given by the class of 1958. The Academy of New England journalists has established its archives at Miller Library.

The Colby Library Associates is an organization of friends of the library, many of long standing, with representation from among students and faculty. Meetings feature talks on literary topics. Membership dues are used to purchase books and manuscripts which the library could not otherwise acquire.

The Academic Program

DIVISIONS OF INSTRUCTION

The courses in the curriculum are classified under five divisions. In the Division of Humanities are classics, English, art, music, and modern foreign languages. The Division of Social Sciences includes administrative science, 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 and intramural sports program. 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, and sometimes from more than one division.

THE STUDENT'S PROGRAM

The student at Colby normally takes from 12 to 18 credit hours in each semester.

To assure distribution among the several divisions mentioned above, students must include English composition and literature, a foreign language (unless exempted by examination), and courses to meet "area" requirements in the humanities, social sciences, and natural sciences. Programs are usually planned so that the majority of these requirements are met within the first two years, leaving the junior and senior years for "major" concentration and for free electives.

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 declared his major.

Prospective students frequently ask what subjects they will study — especially in the freshman year. It would be mis-

leading to present any specific pattern of courses for either of the first two years; though it is then that "requirements" are usually fulfilled, there is considerable latitude within the requirements themselves, and the programs of individual students may vary widely. The student preparing for a scientific career or the study of medicine will begin electing scientific subjects at once. Many major departments in both the natural and social sciences recommend mathematics for the freshman year. Whatever his inclinations, each student should discuss his prospective program with his adviser, noting carefully the recommendations and requirements of areas in which he might later wish to major.

The starting of (a) first-year English, (b) work toward completion of the language requirement, and (c) a science, are not specifically prescribed for freshmen. It is expected that most students would, indeed, register for programs involving all these — but they could, for various reasons (with the consent of or perhaps on the advice of their faculty advisers), postpone one or more.

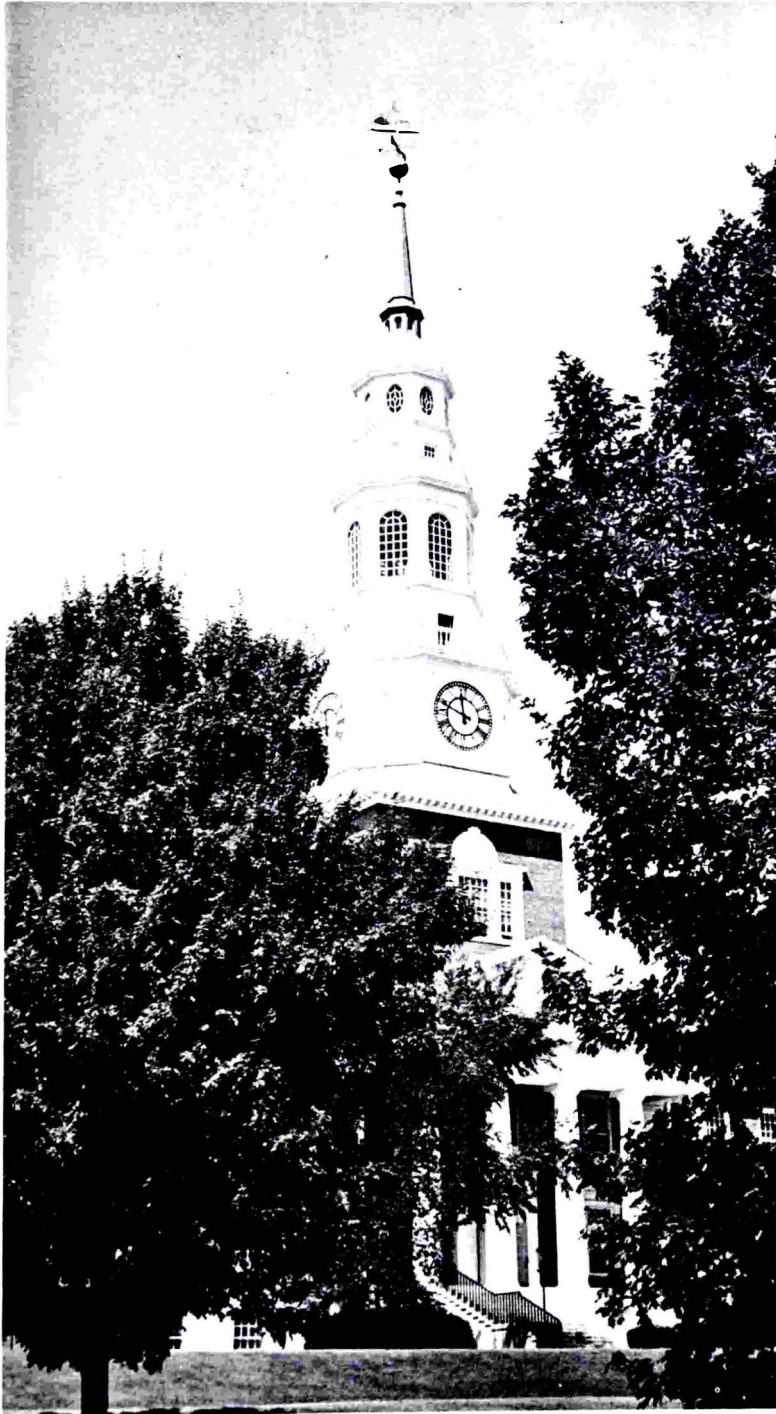
GRADUATION REQUIREMENTS¹

To qualify for the degree of bachelor of arts a candidate must meet specific requirements in quantity, quality, distribution, and concentration and must also participate satisfactorily in the January Program.

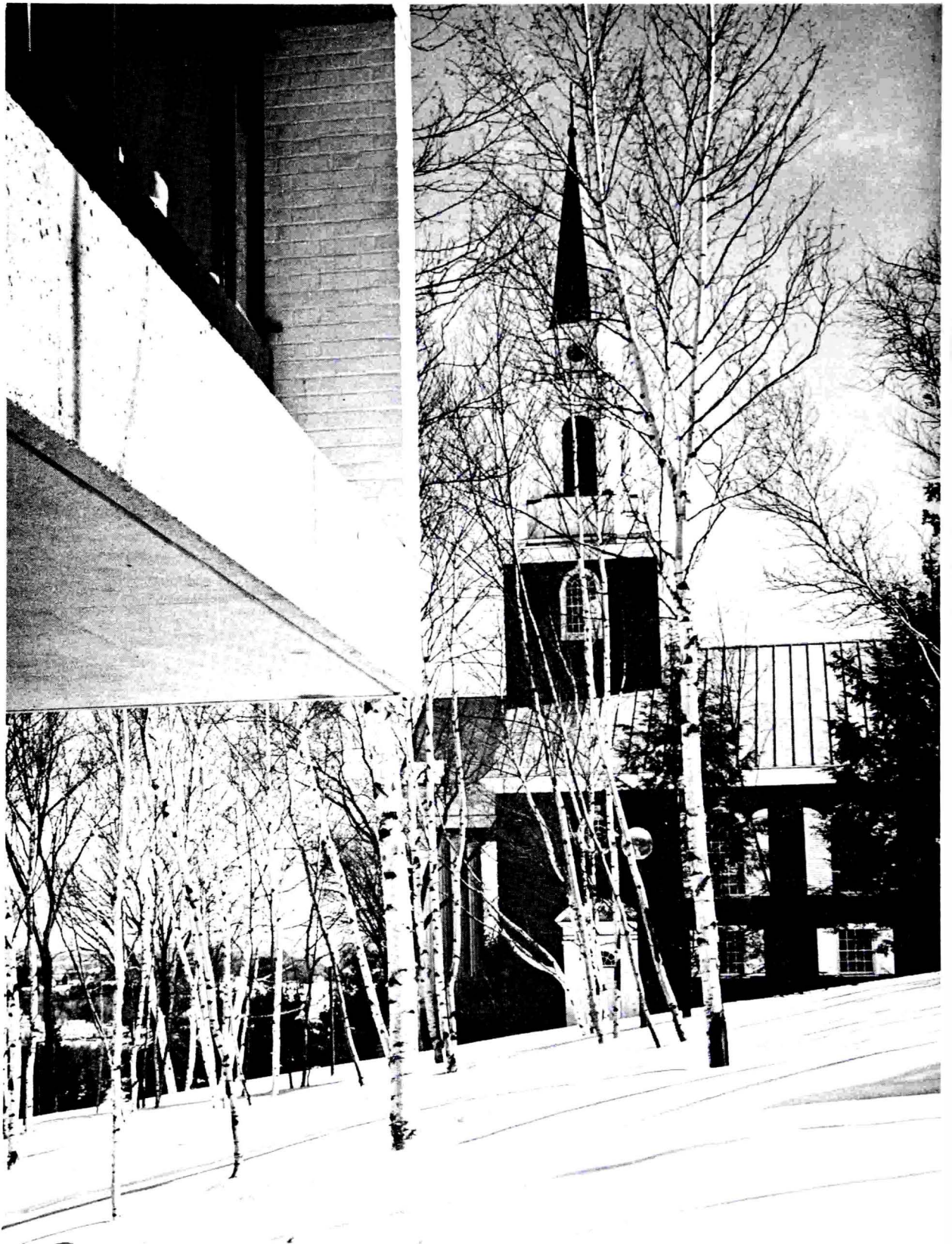
¹ The graduation requirements detailed here are those adopted by the faculty in April of 1969, applicable to the students of the class of 1973 and succeeding classes.

Changes were made in requirements with regard to QUANTITY, QUALITY, DISTRIBUTION (requirements in *English Composition and Literature* and the AREA REQUIREMENTS), and RESIDENCE.

The older requirements, applicable in full to the class of 1969, were last listed in the *Bulletins* of September 1968 and May 1969. The change from one set of requirements to the other affects students in the classes of 1970, '71, and '72 generally in proportion to the number of years of college work still lying ahead of them at the close of the 1968-69 academic year.

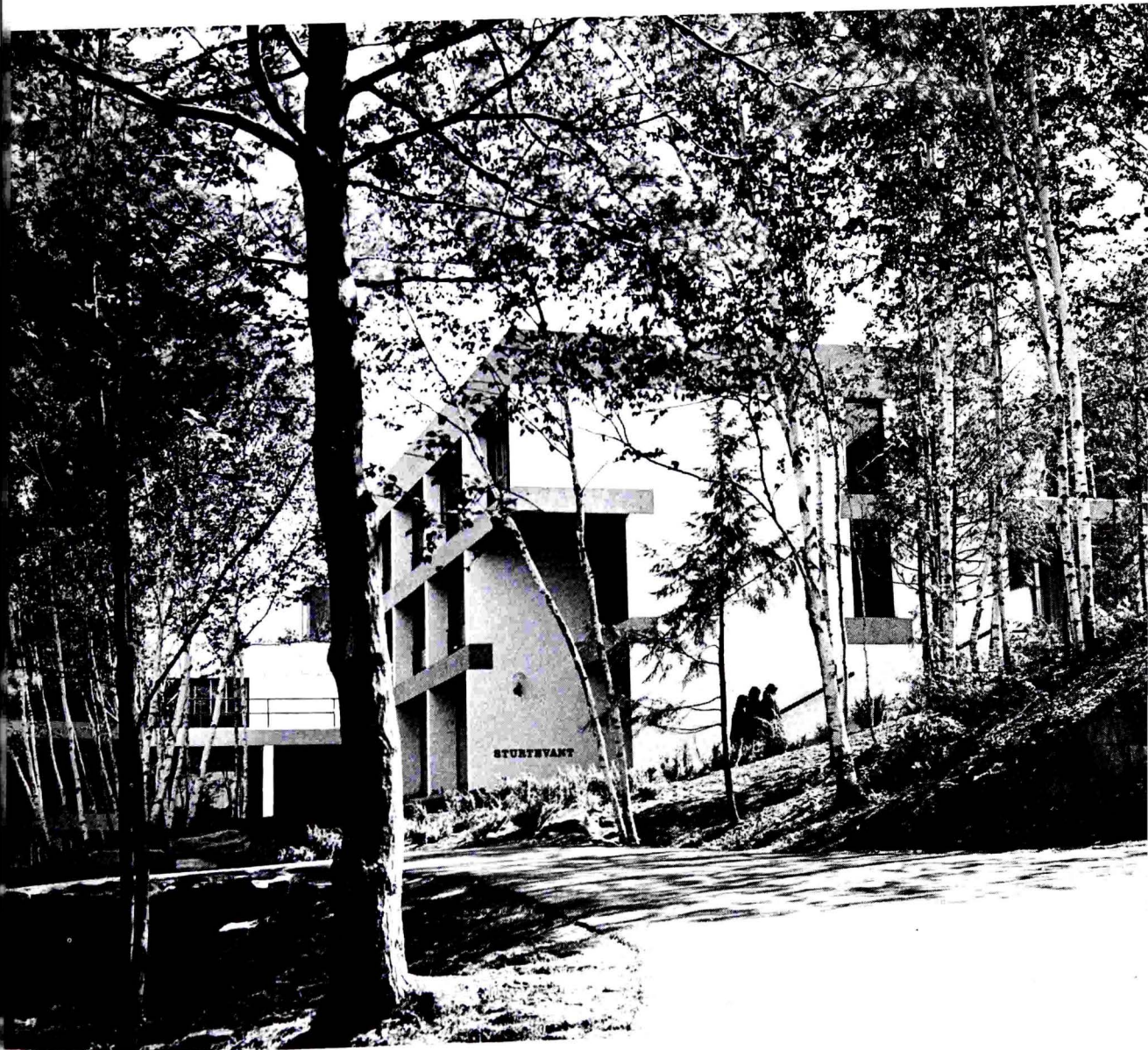


Miller Library



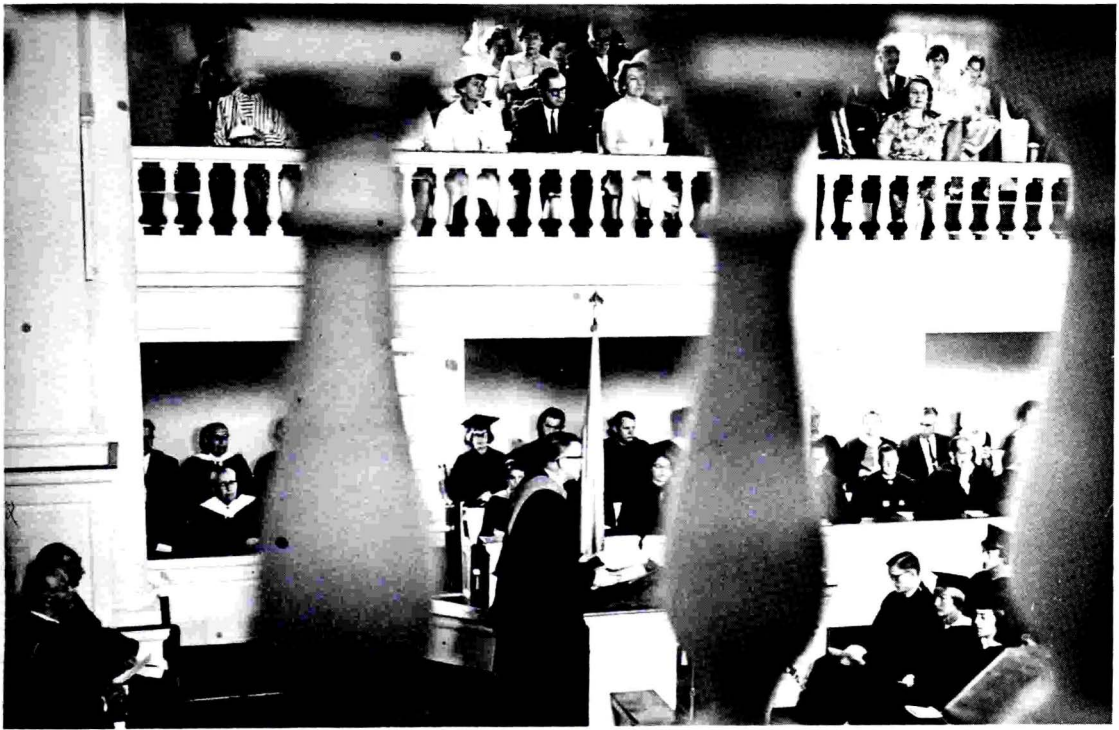
Lorimer Chapel from Sturtevant

Award-winning dormitory complex



Championship meet, Fieldhouse





Gallery, Art Museum



Science buildings



Colby Ski Area



Bixler Art and Music Center



QUANTITY A minimum of 105 credit hours and eight semesters of residence¹, plus credit for four semesters of physical education.

QUALITY A two-point average in all Colby courses presented to meet the **QUANTITY** requirement.

This demands a *C* average among courses presented to qualify for graduation. Additional uncompensated *D*'s neither aid nor disqualify the student; credit hours in such courses are recorded but are irrelevant to the **QUANTITY** and **QUALITY** standards for graduation.

**DISTRIBUTION
REQUIREMENTS**

I ALL COLLEGE REQUIREMENTS

- A. *English Composition and Literature*: 6 credit hours. This requirement will be met by English 115 and English 152.
- 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 a College Entrance Examination

The *registrar's office* has a supply of mimeographed *Auxiliary Information* bulletins for reference by members of the affected classes. It outlines a "sliding scale" of requirements.

Any questions of interpretation should be referred to the *registrar's office*.

It may be noted that students who had completed 60 or more credits by June of 1969 retain the option of completing their degree requirements either under the old requirements (see September 1968 *Catalogue*) or according to the new scale for their class. The set chosen is to be met in all details.

The net effect of the changes is to raise the **QUALITY** requirement slightly at the same time that the minimum **QUANTITY** requirement is lowered and the **DISTRIBUTION** requirements liberalized.

¹ See section on residence requirement for rules applicable to transferred credits.

Board foreign language achievement test (600 for class of '74) or (b) passing an achievement examination testing ability to read the language proficiently.

(2) Successfully completing any six credit hours in courses numbered above 101, 102 in an ancient or modern foreign language offered at Colby College.

(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 a second year of that language at the college level with marks high enough to make the work acceptable toward the Colby degree.

(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 minimum of 6 credit hours in each of the areas described in III below. Three of the credit hours in the sciences must involve laboratory experience.

III AREAS

A. HUMANITIES: LIST OF SUBJECTS

Art

Classics (except Ancient History)

Comparative Literature

Dance Composition

English (except 111, 112; 113, 114; 115; 131d; 152, and 211)

Greek

Latin

Modern Languages (except 101, 102, 103, 104 courses)

Music

Philosophy and Religion (certain courses: Religion 223, 224; 311, 312; Philosophy 355, 356 and 372; philosophy and religion seminars when topics are relevant)

B. SCIENCES

Biology
Chemistry
Geology
Mathematics
Physics and Astronomy

C. SOCIAL SCIENCES

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

PHYSICAL EDUCATION Completion of freshman and sophomore physical education requirements is required for graduation.

RESIDENCE Candidates for the degree must have earned 53 credit hours at Colby and must have been resident students for at least two years – one the senior year.

While the curriculum of the college is planned on the expectation that students will be at the college for four full years, provision is made both for the acceptance of transfer students and for acceleration as follows:

Fifteen approved credits from Advanced Placement work (CEEB), from summer study, or obtained in residence at another institution may be substituted for one semester in residence at Colby. A maximum of four such semesters may be offered for transfer credit.

One, but only one, of these semesters may consist of at least 9 transferable credits combined with no more than 6

Colby credits. The latter must be of at least C-average quality and may not be counted again as Colby credits toward the minimum graduation requirement.

For each semester of transfer credit so accepted, 13 credits are counted toward the 105 hour credit hour minimum for graduation.

**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 credit hours 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.

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*.

With the consent of the departments concerned, a student may change his major. Forms for officially effecting such change must be obtained from and returned to the registrar's office.

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: 1.5 grade point average for first 2 courses; 2 points for each credit hour 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 at least 12 credit hours 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 18 credit hours in each of the two subjects.

The following combined majors are offered:

American Civilization	Geology-Chemistry
Classics-English	Philosophy-Mathematics
Classics-Philosophy	Philosophy-Religion
East Asian Studies	Physics-Mathematics
Geology-Biology	

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 1961-1962 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 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 program 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 successfully complete one January Program for each year he is in residence at the college 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 6 credit hours per semester.

CENTER FOR
COORDINATED
STUDIES

The Center for Coordinated Studies, which opened in 1969, is an experimental unit designed to promote new programs of study and new modes of relationship among faculty members and students. It has three major objectives: (1) create, through interdepartmental programs of study, more coherent patterns for a liberal arts education; (2) create and sustain a greater degree of responsiveness between students and faculty in the design and conduct of curriculum; (3) create a more pervasive learning environment for students.

Located in coeducationally-grouped residence halls, the Center provides space for classrooms, offices, living and dining. There students and faculty members design courses of study within areas of common interest. At present these include: Intensive Studies in Western Civilization (Homer and History; Darwinism: the Impact of the Concept of Evolution on Modern Thought and Historical Development; Tragedy in Historical Context; Existential Thought and Literature); Studies in Human Development; Bilingual and Bicultural Studies; East Asian Studies. The programs reflect the needs and experience of the participants. Areas and the courses within them, therefore, are subject to modification or change at any time during the year.

Students who join the Center must devote a good portion of their academic schedules and their energies to its activities and demonstrate a continuing, active concern for improvement in living arrangements as well as educational programs.

JUNIOR YEAR ABROAD

The academic year 1970-71 marks the opening of Colby's own Junior Year Abroad program, established in France with the cooperation of the Université de Caen. Enrollment is limited to students of Colby College. Cost of the year abroad, for approved students, is the same as the cost of

tuition, room, board, and fees for a year at the college. Details of the program are available from Colby's Department of Modern Foreign Languages.

Opportunities for study abroad in other countries than France are available through the programs of other institutions or independently.

Permission to study abroad during the junior year 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. Similar exchange programs have been established with other colleges, including one 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 students.

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 the Latin American Scholarship Program of American Universities (LASPAU).

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

Financial aid to foreign students is ordinarily granted only to those students who have been recommended by

LASPAU 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 for courses of each semester on the regularly assigned days. 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 students certifies in writing that exceptional circumstances justify such action.

Before registration for any semester, each student must secure from the treasurer's office a receipt for the tuition fee and any other required advance payments and 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 credit hour 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 eight class days of a semester, the first day of classes being considered the first day of the semester. After the eighth 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.

No student whose over-all grade point average in all courses taken in the previous semester is below 1.8 may elect more than 15 hours unless a 5-course program exceeds this total. The only exception is that a student who is not eligible by this rule, but who must have the extra credit hours to complete his degree requirements, may elect in one semester of his senior year one course in excess of these limitations.

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 credit hour, 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 students, or unless he has filed with the registrar a valid conflict-of-exams form or request based on his having scheduled three examinations in a single day. 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.

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 *F* and refer the case to the dean of students for any further action.

ACADEMIC STANDING

A student's class standing is determined by the faculty's Committee on Standing and is based on the number of credit hours passed.

Throughout the semester, at the discretion of the professor, warnings are sent to students. 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.

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 subsequently. 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 dean of students may give limited extensions for the completion of work without penalty, but only for excuses similar to those acceptable for missing a final examination.

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*.

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

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 committee considers both quantity and quality of work in determining whether progress is satisfactory. 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 a *notice of withdrawal* properly approved by the treasurer and the dean of students; the official form may be obtained from the dean. The date on the approved *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. In addition to the conditions listed on these pages, there are restrictions detailed in the section on the RESIDENCE requirement (above) which should be read with care.

(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 students on receipt of appropriate recommendations from academic advisers, students enrolled in the college may receive credit for work in Junior Year Abroad programs, in an exchange semester, or in approved summer school courses. No student may receive credit toward graduation for more than 14 credit hours 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.

Admission

Colby College admits students only as candidates for the degree of Bachelor of Arts. The size of the entering class is limited, and each year the number of acceptable candidates exceeds the number of freshman openings. Admission is, therefore, selective. 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 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 preparatory units are normally required: English (4); foreign language (2); college preparatory mathematics (3); history or social studies (1); science (laboratory) (1); elective (5).

The New England Association of Colleges and Secondary Schools accredits schools in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary schools meet the standards of membership. Accreditation lends authority to records and recommendations received from the applicant's secondary school.

ADMISSION PROCEDURE

1. Application is made to the dean of admissions. A non-refundable \$20 fee is required and a check or money order in this amount should be returned with the application.

2. Colby subscribes to the first choice *early decision* plan of the CEEB for well qualified applicants. Under this plan the candidate certifies that the college is his first choice, that he will accept an offer of admission if it is extended, provided it includes adequate financial aid, if needed. A candidate may initiate regular applications to other colleges, but agrees to withdraw them when notified of acceptance by Colby. Candidates may apply for early decision and financial aid no later than November 1 and should submit aptitude and achievement tests taken before the fall of the senior year. College notification of action, including the decision on the application for financial aid, is normally given no later than December 1, and successful candidates are exempted from further admission tests, except for placement purposes. Candidates who are not approved for early decision are normally deferred to the college's regular admission plan and are reviewed without prejudice at the usual time in the spring.

3. Interviews are not required although applicants who have not visited the campus are encouraged to do so, and campus guides are provided week days and on Saturday mornings when the college is in session. Opportunities to meet with representatives of the admissions office are available except during February, March, and the first two weeks of April. Individual appointments may be made upon request, except during the period noted above, and these should be scheduled well in advance. The college will arrange meetings with alumni representatives for applicants living some distance from Waterville.

4. The schedule for admission applicants is as follows:

November 1 — deadline for filing for *early decision* and for financial aid for *early decision* applicants.

December 1 — notification of decisions on *early decision* applications.

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

Mid-April — notification of actions by admissions committee to regular applicants.

May 1 — accepted applicants must confirm intention to attend Colby by payment of a non-refundable advance tuition deposit of \$100.

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 not later than December or January of the senior year. The Achievement Tests should include English composition and two others of the candidate's choice, taken not later than January of the senior year.

A foreign language test (including the associated listening comprehension test, if available) should be offered prior to registration, if it is not included in the three achievement scores offered for admission. The language scores are used to determine exemption or placement in languages.

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, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

ADVANCED STANDING

Colby participates in the Advanced Placement 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 for evaluation. Students scoring 4 or 5 receive automatic placement and credit from the College. Scores of 3 and below are evaluated by the academic department concerned.

**TRANSFER STUDENTS/
VETERANS**

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

The prospective transfer student should write to the dean of admissions at Colby, stating his reasons for applying. An application and recommendation form will be sent to be completed and returned with the \$20 application fee.

Transfer students should also ask the College Entrance Examination Board to send the results of any tests to Colby. Scholastic Aptitude Test scores are required for all transfer students. Tests taken in the senior year in secondary school will satisfy this requirement.

Any request for advanced standing based upon completion of service schools or USAFI courses from a veteran must be made in advance of matriculation. Credits usually apply only to freshman courses.

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 eleven credits per semester. Such persons must present evidence that they are qualified to pursue the intended courses and pay the regular fee of \$80 per credit hour. Admission of special students is the responsibility of the deans of students.

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.

Orientation for Freshmen

Freshmen arrive a few days early for an orientation program. Meetings are arranged with advisers and representatives of student groups.

The Freshman orientation program is planned with the aim of introducing students to the intellectual and social life of the college.

READING TESTS

Tests during orientation week determine levels of speed and comprehension in reading. Those deficient are offered assistance in a developmental reading program.

PLACEMENT IN MATHEMATICS

Tests are scheduled for freshmen who have not taken CEEB advanced placement examination in mathematics, but who seek placement in mathematics 211d (Calculus II) 212d (Calculus III) 241 (Elementary Statistics) or 243 (Finite Mathematics) without other prerequisite.

PLACEMENT IN FOREIGN LANGUAGES

Students offering a foreign language for entrance credit who wish to continue it in college will be placed on the basis of the CEEB Language Achievement Test required prior to entrance. If two or more units of the language are presented for entrance credit, continuation must be in a course numbered above the 101, 102 level. Should placement tests or performance indicate a student to be unqualified for this level, the language is repeated at the elementary level without credit, or a new language may be elected for credit.

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.

Fees and Financial Aid

ANNUAL STUDENT CHARGES 1970-1971	Tuition	\$2,100
	Board	650
	Room	500
	General Fee ¹	150
		\$3,400

CALENDAR OF PAYMENTS

1970-1971	<i>Upon acceptance for admission</i>	Admission deposit — freshmen	\$ 100
	<i>July 31</i>	Attendance deposit — upperclassmen	\$ 200
FIRST SEMESTER	<i>On or before August 31</i>	One-half of annual student charges for tuition, board and room plus the general fee for the year	\$1,775 ¹
		(Note: Admission, attendance and room deposits as paid, may be deducted from this first semester payment)	
	<i>November 30</i>	First Semester bill (Following pages)	
SECOND SEMESTER	<i>On or before January 20</i>	One-half of annual student charges for tuition, board and room	\$1,625 ²
	<i>March 31</i>	Second Semester bill	
	<i>April 15</i>	Room deposit for following year	\$ 50

PAYMENTS MUST BE MADE IN ACCORDANCE WITH THIS CALENDAR OF PAYMENTS WHETHER OR NOT REMINDER NOTICES ARE RECEIVED FROM THE COLLEGE.

¹ Includes sickness and accident insurance, and student activities fee.

² Students who are permitted to eat or live off campus may deduct \$325 for board or \$250 for room from the amount due in advance of each semester.

**FEES AND CHARGES
EXPLAINED**

No formal bills are issued for the following items:

DEPOSITS *Admission Deposit — freshmen* A non-refundable deposit of \$100 is due on or before the date for confirmation of intention to attend. This deposit is deductible from the first semester payment due August 31.

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 will be forfeited if the student does not return to college unless the room reservation is withdrawn before August 1.

Attendance Deposit A non-refundable deposit of \$200 is required of all upperclass students on or before July 31 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 \$100 admission deposit satisfies this requirement.

ADVANCED PAYMENTS *Tuition* The tuition charge is \$1,050 per semester for schedules of 9 to 18 credit hours and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than 9 hours and for hours in excess of 18, the tuition charge is \$80 per credit hour. The tuition charge for hours in excess of 18 will be included in the semester bill. Special students will be charged at the rate of \$80 per credit hour.

Board Board in college dining halls is charged at the rate of \$325 per semester. Payment must be made prior to each semester in accordance with the calendar of payments.

All resident freshmen are required to board at the college. Upperclass students electing to board at the college must pay the board charge in advance in accordance with the calendar of payments. An election to board on campus is irrevocable and no refunds may be made.

Room The room charge, in college dormitories, is \$250 per semester payable prior to each semester in accordance with the calendar of payments. Students are expected to occupy college housing facilities to the full extent of their availability. Other arrangements may be made only with specific approval of the dean of students. Dormitory reservations are made through the offices of the dean.

General Fee The general fee is \$150 for the year and is payable, in full, prior to the first semester in accordance with the calendar of payments.

Student Activities Included in the general fee is a sum allocated for Student Government and such student organizations as it chooses to support.

Accident and Sickness Insurance All students are required to have adequate accident and sickness insurance coverage. Coverage is provided in a group insurance policy. The premium for this coverage is included in the general fee. Details of the insurance plan are mailed to all parents during the summer.

Students having other comparable coverage and who do not wish the additional protection of the compulsory student insurance program — including the major medical supplement — must make written application for waiver at the office of the treasurer each year prior to the opening of college. Colby College cannot assume responsibility for serious accidents and illness not covered by appropriate insurance.

Health Service Free service in the Sherman M. Perry Infirmary is provided for a total of two weeks in any college year. Students not covered by the college group accident and sickness insurance are charged \$4 per day for infirmary care beyond the two-week free period. Non-boarding students are charged \$4 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

SEMESTER BILL Charges for miscellaneous items not due prior to registration are included on semester bills due November 30 and March 31. Included are charges for extra credit hours, chemistry laboratory fee, dormitory damage deposit, fraternity fee (see below), 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 each semester hour in excess of 18 hours per semester is \$80 per hour.

A chemistry laboratory fee of \$20 per course is charged on the first semester bill. Students enrolled in chemistry courses are required to pay for excessive breakage or loss of apparatus.

All students living in college dormitories must pay a \$15 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.

All fraternity men are charged a fee in excess of the room rent established for college dormitories. The fee is charged on the semester bill and applies whether the student resides in the fraternity house or not. The amount of the fee is determined by each fraternity.

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; the same regulations and fee apply.

PAYMENT OF BILLS Tuition, room, board, and general fee must be paid in full in accordance with the calendar of payments (see previous pages) before a student is permitted to register or attend classes. Students excluded from classes under this rule for longer than ten days may be suspended from college for the remainder of the semester. A fine of \$2 per day may be imposed for failure to make payments of financial obligations to the College on or before the due date.

A plan providing for monthly payments at moderate cost is available through the Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

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. 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 \$22 per full or partial week. No reduction is made for periods less 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.

OVERPAYMENTS Credit balances on semester bill are ordinarily carried forward to the student's account for the following semester. After semester bills have been completed and mailed, requests for refund of credit balances will be honored promptly. Participants in tuition payment plans may make special arrangements for earlier refund at the office of the treasurer. Credit balances on the accounts of graduating seniors will be refunded automatically.

Refund is made directly to a student only upon written authorization, directed through the mails to the office of the treasurer, by the person responsible for payment of the account.

FINANCIAL AID

Each year Colby undergraduates are awarded more than \$800,000 in gift scholarships and self-help (jobs and loans). The amount of financial assistance that a student receives is based on need, which is determined by analysis of the *Parents' Confidential Statement*, a questionnaire designed and processed by the College Scholarship Service of Princeton, New Jersey.

Entering freshmen make application for financial aid by sending the completed P.C.S. to Princeton by February 15. Upperclassmen complete preliminary applications each spring, before Easter recess, and submit the P.C.S. to the financial aid office no later than the day following the recess.

GIFT SCHOLARSHIPS Over \$500,000 is granted annually from income derived from endowments, and from scholarship funds donated by alumni, friends and such outside sources as the Sloan

Foundation, Hathaway-Warnaco, the Reader's Digest, Travelli, and Dana Scholarships.

SELF-HELP CAMPUS JOBS Approximately 250 students are employed as cafeteria workers, librarians, and receptionists. No job requires more than ten hours a week but, at \$1.60 per hour, a diligent worker can earn as much as \$450 per school year which he may receive as cash or as credit toward his semester bill.

WORK-STUDY PROGRAM This program, federally funded, is primarily designed to assist students from families of moderately low income. Employment is ordinarily in off-campus jobs with youth organizations, poverty programs, and hospitals. Pay varies with the experience and skill of the employee but is never less than the federal minimum wage. Work-study jobs are not ordinarily available to incoming freshmen.

LOANS Students on financial aid are expected to supplement their scholarships by borrowing as much as \$1,000 per year from either of the two student loan programs:

1. The *Guaranteed Loan Program*, sponsored by most eastern states and by the Federal government, carries a 7% interest rate that accrues only upon graduation. Application is initiated by the student through his own home bank.
2. The *National Defense Student Loan*, federally funded but administered by the college, is intended to aid students whose gross family income is less than \$12,000. Because these funds are limited by federal appropriation relatively few Colby students are able to borrow under this program.

PACKAGED AID For freshmen, the first \$500 of need is supplied by the student through self-help; the balance is awarded by Colby as gift scholarship. For the three upper-classes the first \$500 of need is self-help, plus \$75 additional self-help for every \$250 of remaining need. For example, an entering freshman with a need of \$1,500 would be granted a \$1,000 scholarship. An upperclassman with the same need would be granted only \$700.

Financial aid is granted each semester and renewal is contingent upon continuing scholastic achievement, satisfactory citizenship, and financial need.

More complete information regarding financial aid may be found in the Student Government Handbook, or in the brochure *Financial Aid at Colby* which is available at both the Admissions and Financial Aid offices.

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 to private conscience, the Baptist founders of Colby endowed it with values and 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, a visiting theologian, member of the faculty or a student.

During the academic year 1969-70 an ecumenical team ministry for the college community was initiated, the acting college chaplain being assisted by a rabbi, a Roman Catholic priest, and the rector of the local Episcopal parish. The members of the chapel ministry conduct a program of religious services, discussion meetings, and are available during scheduled office hours for informal conversation or personal counseling. The coordinating organization for chapel activities is the Inter-Faith Association, a body in which Jewish, Protestant and Catholic students participate.

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, outstanding scholars, musicians, and artists visit 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 Gabriel-

son Lectures are concerned with national and international topics; the Ingraham Lectures are in philosophy and religion. The Winthrop H. Smith Visiting Scholars Program brings to the campus each year a distinguished speaker for two or three days to lecture, speak in classes, and meet informally with students and faculty. The Clara Southworth endowed lectureship brings a prominent lecturer on a subject in "the broad field of environmental design with emphasis on understanding some of the underlying philosophies of design which relate to the way in which men live."

There are also annual events such as the Recognition Assembly; Religious Convocation; and the Lovejoy Convocation, honoring prominent newspaper men; and a convocation honoring Dana and Bixler Scholars.

Among lecturers in 1969-70 were Malcolm Cowley, Jackson Bailey, Catherine Taylor, John S. Knight, V. S. Naravane, John J. A. McLaughlin, Carl Cobb, Tad Szulc, John Plank, Minor White, Covey T. Oliver, Preston C. Hammer, Paul E. Sigmund, Ian McHarg, Muhammad Ali, J. B. Rhine, Dr. and Mrs. George W. Beadle, and Henry Margenau.

A symposium on mental retardation sponsored jointly by Colby and the President's Committee on Mental Retardation brought Burton Blatt, Leo Cain, James Gallagher, and David Ray to the campus.

MUSIC

Musical organizations which offer opportunities in serious vocal and instrumental music are the Colby Community Symphony Orchestra, the glee club, chapel choir, band, brass choir, and student-inspired ensembles. These are under faculty direction and carry academic credits.

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 Mellon Organ in Lorimer Chapel.

The Colby Music Associates offered performances by the New York Pro Musica, Murray Perahia, and Grace Hoffman. A similar series offered by Student Government brought Abbey Simon, Leonard Rose, The Beaux Arts Trio, Peter Serkin, and Music from Marlboro.

The college and associated organizations also sponsored three concerts by the Colby Community Symphony Orchestra, a concert by the orchestra, glee club, and Waterville Area Community Chorus, and two concerts by the Colby Band, as well as organ recitals of medieval and renaissance music and music of the classical and romantic periods, a concert of early music for voices and instruments, an evening of music of Baldassare Galuppi, and a performance by Arlo Guthrie.

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 1969-70 exhibitions were *Nineteenth and Twentieth Century Paintings from the Smith College Museum of Art*; *Photographs by Kosti Ruohomaa*; *Original Drawings for Cartoons from the Association of American*

Editorial Cartoonists; Robert Indiana—Graphics; Photographs by Nathan Talbot; and Maine Landscape Painting, 1820-1970.

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. In addition, several plays written and produced by students are presented each year. History of drama courses are offered by the English department. The 1969-70 Powder and Wig repertoire included *Ten Nights in a Bar Room* (Arthur and Pratt), *King Ubu* (Alfred Jarry), *Pantagleize* (Michel de Ghelderode), and *Tom Paine* (Paul Foster).

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.

FILM

A film society, Film Direction, formed in 1962 by students and faculty, brings to the campus films of high quality in various film genres. In addition are regular movie showings by Sunday Cinema and films brought by the various departments.

FRATERNITIES AND SORORITIES

Colby recognizes the fraternity system as a cooperative feature of campus life. There are chapters of nine national fraternities, three national sororities, and one local sorority. Eight 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 most

of the houses. Members of one fraternity are quartered in a dormitory. 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, and Pi Lambda 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 requires that fraternities and sororities be able to 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, others are academic 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 (Romance language) and Sigma Pi Sigma (physics); and the Forensic Society, and the John Marshall Society. College publications include the weekly newspaper, *The Echo*, the yearbook, *The Oracle*, and *Pequod*, a literary magazine.

Service organizations include Blue Key, Cap and Gown, Student Judicial Board, Pan-Hellenic and Inter-Fraternity Councils.

Other groups are the Arnold Air Society, Chess Club, Folk Song Society, Film Direction, Colby Graphic Arts Workshop, Modern Dance Club, Darkroom Associates, Eidos, International Relations Club, Outing Club, Radio Colby, and the Women's Athletic Association.

There are other societies and clubs described in this sec-

tion 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 Handbook*. All students are held responsible for knowledge of these regulations as well as for those in the annual catalogue.

Colby Collge 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 of the college.

- ATTENDANCE**
- A. Students are expected to attend class 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 of students. Flagrant repetitions may lead to dismissal from the course without credit.
 - B. Official excuses for absence are granted only by the deans of students, 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 confined to their dormitory for no longer than 24 hours.

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

All excuses from hour exams must come from the infirmary or, in cases of critical emergency, from the deans of students.

- c. Absences caused by exclusion from classes because of nonpayment of college bills are treated in the same manner as other absences, except that the dean of students has the authority to issue an official excuse when convinced that no fault lies with the student.
- d. 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 does not encourage the use of intoxicating beverages by its students. If the conduct of a student who has been drinking comes into question, he will be subject to disciplinary action up to and including expulsion.

The Maine State Law has provisions which makes punishable by a fine of not more than \$50 any person under the age of 20 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. Violators of the laws cannot expect the college

to provide them with immunity from prosecution.

We expect students to conduct themselves — in drinking as in other matters — as mature and responsible human beings.

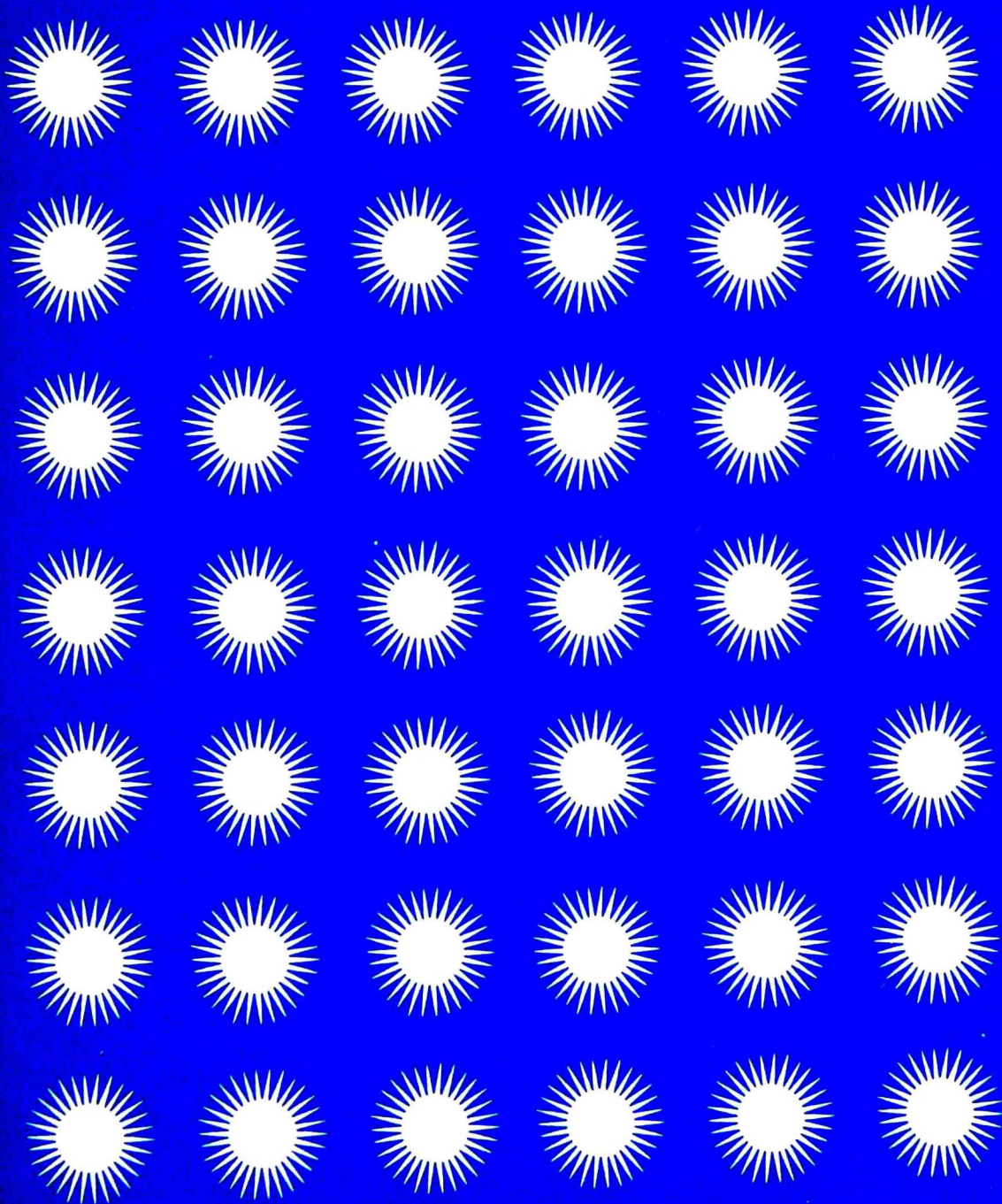
With regard to drugs: Colby does not tolerate violation of state and federal laws, nor does it tolerate unauthorized experimentation by its students with drugs.

AUTOMOBILES The use of motor vehicles at the college is not permitted to freshmen. 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. A more extensive statement is to be found in the *Student Handbook*.

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 students.

II

Divisions, Departments, and Courses of Study



II DIVISIONS, DEPARTMENTS, AND COURSES OF STUDY

55	DIVISIONS, DEPARTMENTS
	HUMANITIES, 56
	SOCIAL SCIENCES, 59
	NATURAL SCIENCES, 64
	AEROSPACE STUDIES, 69
	PHYSICAL EDUCATION AND ATHLETICS, 70
	SUMMER AND SPECIAL PROGRAMS, 72
73	COURSES OF STUDY
142	PREPARATION FOR GRADUATE AND PROFESSIONAL SCHOOLS

Divisions, Departments, and Courses of Study

The courses are offered within five divisions as follows:

**DIVISION OF
HUMANITIES**

Divisional courses in humanities and courses in the following departments: *Art*; *Classics*, including classics in English translation, Greek, and Latin; *English*; *Modern Foreign Languages*, including French, German, Italian, Japanese, Portuguese, Russian, and Spanish; and *Music*.

**DIVISION OF
SOCIAL SCIENCES**

Divisional courses in social science and education and courses in the departments of *Administrative Science*; *Economics*; *History and Government*; *Philosophy and Religion*; *Psychology*; and *Sociology*.

**DIVISION OF
NATURAL SCIENCES**

Courses in the departments of *Biology*; *Chemistry*; *Geology*; *Mathematics*; and in *Physics and Astronomy*.

**DIVISION OF
AEROSPACE STUDIES**

Courses in *Aerospace Studies*.

**DIVISION OF
PHYSICAL EDUCATION
AND ATHLETICS**

Courses in *Physical Education*.

In the departmental statements below, members of the active faculty for the academic year 1969-70 are listed.

COLBY COLLEGE LIBRARY

Division of Humanities

Chairman, ASSOCIATE PROFESSOR GORDON SMITH

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

COMBINED MAJORS

Requirements for the major in classics-English

In English: six semester courses approved by the departments.

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 123 or 211, 212; 331, 332; 491 or 492.

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 Miller¹; Assistant Professors Meader and Matthews; and Mr. Freedman.

Requirements for the major in art

Art 121, 122, 221; at least three semester courses chosen from 252 (or 271), 311, 312, 314, 318, 353, 372, 411; additional courses in art to bring the total to nine semester courses; two semester courses in ancient, European, or American history, or one semester each of history and music.

The point scale for retention of the major applies to courses taken in the department. Comprehensive examination to be passed in senior year.

CLASSICS

Chairman, ASSOCIATE PROFESSOR WESTERVELT

Professor Howard; Associate Professor Westervelt; and Assistant Professor D. Koonce.

Requirements for the major in classics

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

¹On leave, 1969-70.

Requirements for the major in Greek

Four years of Greek and Ancient History 151, 152. Two further semesters of ancient history may be substituted for one year of language.

Requirements for the major in Latin

Four years of Latin above 122 and Ancient History 151, 152. Two further semesters of ancient history may be substituted for one year of language.

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

ENGLISH

Chairman, PROFESSOR BENBOW

Professors Strider, Alice Comparetti, Benbow, and Cary; Associate Professors Sutherland, MacKay¹, Suss, Witham, and Curran; Assistant Professors H. Koonce, Brancaccio², Mizner¹, Norford, Sweney, Russ, E. Kenney, Spiegelberg, Meek, Bassett, Stratman, and S. Kenney³; Mrs. E. Pestana³, Mr. Hunt and Mr. Arnold.

Requirements for the major in literature in English

For the class of 1971: English 211, 212 or 214; English 321-322; and six additional courses in English numbered 300 or above, one of which must be in English literature before 1800, one in literature after 1800. English 115, 116, 118, 131, 152, 232, 233, 391, 393, 396, and 411 do not count for the fulfillment of major requirements.

For the class of 1972 and after: Two semester courses from *each* of the following groups: 1) 251, 253, 255; 2) 257, 259, 351; (for the class of 1972 and for those changing major in the Junior year 211, 212 or 214 may be substituted for the corresponding two semesters of the above courses); either 321 or 322; 493, 494; and three other courses in English numbered 300 or above, excluding 391, 393, 396, 411. English 115, 116, 118, 131, 152, 211, 212, 214, 232, 233 do not count for the fulfillment of major requirements.

In addition each student must elect two semester courses in history, or in the history of philosophy, music, or art; or literature in a foreign language. These courses are not computed in establishing the major average.

¹On leave, second semester, 1969-70.

²On leave, 1969-70.

³Part-time.

Requirements for the honors program in English

Students may apply for admission during the first semester of their Junior year. Students in the *honors program* substitute English 394 (honors seminar) for one of the regular major offerings. In addition, in the second semester of the senior year they must submit an honors essay and pass an honors examination which will be based on a supplemental reading program and which will include the Graduate Record Examination in literature. Honors will be awarded to those students who achieve honors in essay and examination and who achieve a 3.1 average in major courses at the end of the Senior year.

Attention is drawn to the combined *Classics-English* major. See division of humanities combined majors.

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR BUNDY

Professors Kellenberger, Bundy, and Holland; Associate Professors G. Smith, P. Bither, Biron, Schmidt, and Kempers; Assistant Professors Cauz, Kueter, F. Pérez, C. Ferguson, P. Doel, L. Ferguson, and Filosoj; Mrs. Kerkham, Mrs. Mursin, and Mr. Doan.

Placement Test: If a student offers a foreign language for entrance credit and wishes to continue it in college, he must either have taken the CEEB Achievement Test in that language or make arrangement for placement during Freshman Week.

Note: In addition to the following major programs, the department also offers instruction in the Italian, Japanese and Portuguese languages, and in Italian and Japanese literatures in translation. Work can be done in some of the less commonly taught languages through the college's participation in the Princeton University Cooperative Undergraduate Program for Critical Languages.

Requirements for the major in French

French 125, 126, and eight semester courses numbered 200 or above, with the exception of 211 and 411. Beginning with the class of 1972, majors may elect the sequence French 221, 222; 303, 304; 403, 404 for completion of the major.

Requirements for the major in German

German 215, 216 (or German 107-108) and six semester courses at the 300- or 400-level; or equivalent.

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: History 341, 342.

Requirements for the major in Spanish

Spanish 125, 126 or the equivalent, plus 24 credits in advanced Spanish courses.

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

Teacher certification: Students desiring certification for teaching any of the above languages must take 411 in that language, and may in some cases be required to take other specified courses.

MUSIC

Chairman, PROFESSOR E. COMPARETTI

*Professors E. Comparetti and Ré; Assistant Professor Heinrich; Mrs. Reuman.*¹

Requirements for the major in Music

Music 101, 102, 121, 122, 211, 212, 325, 326 and either 321, 322 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

COMBINED MAJORS

Chairman, ASSOCIATE PROFESSOR WEISSBERG

Opportunity is offered for concentration in three interdepartmental majors: American civilization, East Asian studies and philosophy-mathematics.

Requirements for the major in American civilization

(Adviser: Mr. Bridgman)

Six semester courses in American history; two semester courses in American government and politics: either Philosophy 352 or

¹Part-time.

American religion; four semester courses in American literature, and three additional semesters of American studies.

The point scale for retention of the major applies to all courses that count toward the major. Comprehensive examination (oral) to be passed in senior year.

In the Division of Social Sciences generally all courses carry three credit hours. There are a few exceptions in the psychology department and philosophy department. Students should consult the course descriptions to ascertain the exceptions.

Requirements for the major in East Asian Studies

(Advisers: Mr. Elison and Mr. Mavrincac)

Two years of an East Asian Language and twenty-one credit hours of course work in East Asian Studies, selected with the approval of the program chairman.

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

Requirements for the major in philosophy-mathematics

(Advisers: Mr. Clark and Mr. Combellack)

In philosophy: 112 followed by 123, or 211 taken alone; 212, 331 and 332; 357.

In mathematics: at least 18 credit hours, including 361, 362 (113d and 361, effective with the class of 1972).

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.

ADMINISTRATIVE SCIENCE

Chairman, PROFESSOR W. ZUKOWSKI

Professors Williams and W. Zukowski; Assistant Professor Knight and Mr. Landsman.

Requirements for the major in administrative science

Administrative Science 221, 222, 321, 322, 413, 414; two semesters of mathematics; Economics 241, 242; Psychology 211d, 231d or Sociology 221e, 222 (although only one of the latter two course sequences is required, it is recommended that both be completed); and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 331, 336; or any additional courses in administrative science.

The point scale for retention of the major applies to adminis-

trative science courses and to Mathematics 241, 242, 243, 244 and Economics 331, 336, where these courses are used to satisfy major requirements.

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

ECONOMICS

Chairman, PROFESSOR PULLEN

Professor Pullen; Assistant Professors Gemery, Hogendorn, Dunlevy; and Mr. Cox.

Requirements for the major in economics

Economics 241, 242, and eight additional semester courses in economics, including Economics 331 in the junior year and 411. Also required is a satisfactory percentile rating in the Undergraduate Program Field Test in Economics, given in the spring of the senior year. Administrative Science 221, 222, or 321, 322 may be substituted for two of the eight semester courses in advanced economics required for the major.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 331, 336, 341, 342, and 411. 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 Administrative Science 221, 222 or 321, 322 will be counted if substituted for courses in advanced economics in fulfilling the major requirement.

EDUCATION

Director of the Office of Education,

ASSOCIATE PROFESSOR JACOBSON

Courses carrying credit toward professional certification are offered by Professor Jacobson in cooperation with the teaching staff from the departments of English, philosophy, psychology, and modern foreign languages.

Courses are aimed at preparing students for certification as secondary school teachers. These courses are generally accepted by most states for professional certificates. The standard program consists of 30 hours in the student's major subject (commonly taught in the secondary schools) and 18 hours in a minor subject

commonly taught in the secondary schools, e.g.: 30 hours in French, 18 hours in Spanish or 30 hours in chemistry and 18 hours in physics. In addition, the student's standard program includes 18 hours in professional education courses. The teaching candidate should consult with Professor Jacobson during his freshman year to clarify the requirements for certification, which vary from state to state.

The following courses carry credit toward certification and constitute the education program at Colby: Education 213, 214; Psychology 314; Philosophy 333 and 352; courses numbered 411 and 411-L in English, French, German, and Spanish; and Education 441, 442.

A brochure explaining the relation of the Colby program to certification requirements may be obtained at the education office, Room 207F, Miller Library, or, by mail, from the dean of admissions.

HISTORY AND GOVERNMENT

Chairman, PROFESSOR MAVRINAC

Professors Maurinac, Gillum, and Raymond; Associate Professors Weissberg, Berschneider, and Bridgman; Visiting Associate Professor Foner; Assistant Professors Elison, Jacobs, Makinen, Pan, Kany¹; and Mrs. Maurinac¹.

The department offers majors both in government and in history. Attention is also invited to the opportunity for majoring in American civilization, or in East Asian studies, each an interdepartmental program (see requirements listed under combined majors, division of social sciences).

Requirements for the major in government

For students in the class of 1969 and subsequent classes: ten semester courses in government. Students are expected to take at least one semester course in government numbered in the 400's. Comprehensive examination to be passed in senior year.

Requirements for the major in history

For students in the class of 1970 and subsequent classes: ten semester courses in history and two semester courses in government. Majors in history planning to do professional work in history are encouraged to enroll in a senior seminar, but this is not required. Comprehensive examination to be passed in senior year.

¹Part-time.

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR CLARK

Professors Clark and Reuman; Visiting Professor Naravane; Associate Professor Todrank¹; Assistant Professors Y. Hudson, Peters, Thorwaldsen; and Mr. Longstaff.²

Requirements for major in philosophy

Philosophy 123, 124 or Social Science 122 (reserved section), Philosophy 211, 212, 331, 332, 353, and two additional three-hour courses in Philosophy.

Requirements for major in philosophy and religion

Religion 121, 122 or 124, 223, 224, 311.

Philosophy 211, 331, 332, 354, 372.

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 *classics-philosophy* (see list of requirements above under division of social sciences).

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.

PSYCHOLOGY

Chairman, PROFESSOR GILLESPIE

Professors Johnson and Gillespie; Associate Professor Perez; Assistant Professor Zohner, and Dr. DeHart³, Lecturer.

Requirements for the major in psychology

Students majoring in psychology will offer the following courses or their equivalent: two semesters of college biology, Mathematics 241, 242, Psychology 211, 232, 381, 382, 392, and nine additional hours in psychology approved by the department.

The point scale for continuation in the major applies to all courses offered toward the major, as prescribed above.

Requirements for the honors program in psychology

In the spring of their junior year, psychology majors may be invited to apply for admission to the *honors program*. Students in

¹On leave, second semester, 1969-70.

²Part-time.

this program will meet the regular course requirements for the major, and, in the second semester of the senior year, submit an honors essay (for which they may be enrolled in Psychology 491, 492) and pass an honors examination based on a supplemental reading program and incorporating a nationally standardized advanced test in psychology. Honors will be awarded to those who attain honors on essay and examination and who achieve a 3.1 average in major courses by the end of the senior year.

SOCIOLOGY

Chairman, PROFESSOR BIRGE

Professor Birge; Associate Professors Geib¹ and Rosenthal; Assistant Professor Doel; Mr. Marks, and Mrs. Nutting².

Requirements for the major in sociology

Sociology 221, 222, and eight additional semester courses in sociology, including sociology 411, 412; Economics 241, 242; and two semester courses in history. Comprehensive examination to be passed in senior year.

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.

Division of Natural Sciences

COMBINED MAJORS

Chairman, PROFESSOR MACHEMER

The division offers combined majors in geology-biology, geology-chemistry and physics-mathematics. The object is to provide a broad integration of classical geology with life-sciences generally or with aspects of chemistry, mathematics, and physics underlying modern advances in geological science.

Requirements for the major in geology-biology

(Advisers: Mr. Koons and Mr. Scott)

In geology: One of the year-sequences 121, 122; 141, 142; or 161, 162 and 212; plus three additional semester courses as approved.

¹On leave, second semester, 1969-70.

²Part-time.

In biology: Six semester-courses including 111, 114 and 271, as approved. Chemistry 141e, 142 and Mathematics 121d are required also.

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

Requirements for the major in geology-chemistry

(Advisers: Mr. Allen and Mr. Machemer)

In geology: beginning in the sophomore year 211; 241, 242; 311, 312.

In chemistry: 141e, 142; 331, 332; 341, 342. Physics 141, 142 and mathematics 121d, 122d.

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.

Requirements for the major in physics-mathematics

(Advisers: Mr. Bancroft and Mr. Combella)

In physics: 141, 142, plus four additional semester courses as approved.

In mathematics: 113d, 121d, 122d, 212d, 311, and one additional semester course as approved.

Note: All physics courses have prerequisites or corequisites in mathematics. If advanced placement or credit is given in either department, additional courses must be selected from that department to a total of 18 credit hours or more.

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

BIOLOGY

Chairman, PROFESSOR SCOTT

Professors Scott and Terry; Associate Professors Easton and Davis; Assistant Professors Quillin and Fowles.

Requirements for the major in biology

Mathematics through 121d; Chemistry 141, 142; 32 credit hours in biology including 111, 114, 271, 272; one additional year of science and participation in the biology seminar in the senior year. Biology 111, 114, 271 and 272 constitute a core program and are normally prerequisite to all other biology courses. With special permission of the department a student may arrange to take certain higher numbered courses with Biology 271, 272. 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 Mathematics 122d, Physics 141, 142, and organic chemistry. For most of these, at least one further course in mathematics should be elected, with the advice of the major department. 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; the first two semester courses in college mathematics; and all courses in biology.

Students are encouraged to take courses at approved summer laboratories, and such courses may be approved for credit toward the major requirement.

Attention is called to the combined *geology-biology* major.

CHEMISTRY

Chairman, PROFESSOR REID

Professors Reid and Machemer; Associate Professor Ray; Assistant Professors Maier and Smith.

The department offers major programs for the liberal arts student who intends to make a career in research, or for the student who has other professional objectives, such as agriculture, business, industry, or medicine. The major, accredited by the American Chemical Society, provides training more sharply focused toward further work in university graduate schools; a student graduating in this program receives official certification from the society. The other, the basic major, is less specialized and affords more opportunity for study outside the department. Both involve the same core curriculum, but the A.C.S. major requires either German or Russian (through sophomore level), and a minimum of three other specified semester courses in chemistry.

Requirements for the basic major in chemistry

Chemistry 141e, 142; 241e, 242; 331; 341, 342; Mathematics 121d, 122d; Physics 141, 142. Other courses or substitutions should be selected in consultation with the chairman of the chemistry department.

Requirements for the A.C.S. accredited major in chemistry

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

Freshman year: Chemistry 141e, 142; Mathematics 121d, 122d; German 101, 102; or Russian 101, 102.

Sophomore year: Chemistry 241e, 242; Physics 141, 142; German 103, 104; or Russian 103, 104.

Junior year: Chemistry 331, 332; Chemistry 341, 342.

Senior year: Chemistry 412, 431. Two other semester courses may be taken as electives.

An additional language and a second course in physics are recommended.

A sound program in the basic major meets most of the objectives of the A.C.S. accredited one and will prepare a student to enter many professional or graduate schools, *e.g.*, dental, medical or veterinary schools (for these certain biology courses should be included in the students' programs); law; graduate schools of biochemistry, chemistry, oceanography, and others. Students who plan careers in high school science teaching should add courses in education.

Completion of either chemistry major, with biochemistry, provides an excellent basis for graduate work in biochemistry, the medical sciences, and pharmacology.

At the end of their junior year chemistry majors are encouraged to obtain summer employment in industrial or professional laboratories.

Seminars for the chemistry department are held on Tuesday evenings. Important topics are developed and discussed; chemistry majors are expected to attend, and seniors are required to participate.

The point scale for retention of the major applies to all chemistry courses. All prospective chemistry majors should meet with the chairman as early as possible during the freshman year in order to plan their full chemistry programs.

Attention is called to the combined *geology-chemistry* major.

GEOLOGY

Chairman, PROFESSOR KOONS

Professor Koons; Assistant Professors Coleman and Pestana; Mr. Allen.

Requirements for the major in geology

Geology 121, 122 or 141, 142, or 161, 162; 211, 212; 241, 242;

311, 312; 351; one year of college mathematics; and Chemistry 141, 142.

Students planning to teach in the secondary schools may select the *Earth Science Option*; the requirements are: Geology 141, 142; 192; 211, 212; 221, 222; 261; Chemistry 141. Comprehensive examination to be passed in senior year.

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 two foreign languages.

Attention is also called to the combined *geology-chemistry* and *geology-biology* majors.

MATHEMATICS

Chairman, PROFESSOR COMBELLACK

Professor Combellack; Associate Professor Lucille Zukowski; Assistant Professors Hayslett¹, Junghans and Small; Mr. Fuglister and Mr. Knox.

Requirements for the major in mathematics

Mathematics 121d, 122d, 212d, 361, 362, 421, 431 plus twelve credit hours selected from the following: 311, 314, 316, 332, 352, 381, 382, 422, 432, 491, 492; (and 113d, effective with the class of 1972).

The point scale for retention of the major applies to all courses taken in the department above 111.

Attention is invited to the combined major in *philosophy-mathematics* and *physics-mathematics*.

PHYSICS AND ASTRONOMY

Chairman, PROFESSOR BANCROFT

Professor Bancroft¹; Associate Professor Dudley; Assistant Professors Metz and Taffe.

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, 1969-70.

Requirements for the major in physics

It is advisable to take Physics 141, 142 in the freshman year, although schedules can be arranged, in consultation with the department, if students choose to begin a physics major in the sophomore year. A major in physics requires completion of mathematics courses through Mathematics 314, Chemistry 141, 142, and nine courses in physics, including Physics 141, 142, 372, 421, 422.

Students seeking advanced standing in physics should consult the chairman of the department before electing courses.

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.

Attention is also called to the combined major *physics-mathematics*.

Division of Aerospace Studies

Chairman, ASSISTANT PROFESSOR HARRIS¹

Assistant Professor Harris; Captain Hilinski and Captain Korejwo.

Eligible students may qualify for a commission as an Air Force officer by completing the Senior Air Force ROTC program. Either a two-year or a four-year program may be selected.

The traditional four-year program requires the student to pursue the General Military Course of Aerospace Studies during his freshman and sophomore years. Upon completion of the first two years of Air Force ROTC, qualified students enroll in the Professional Officer Course for their junior and senior years. A four week field training course is held during one summer at an Air Force base.

Students may qualify for the two-year Professional Officer Course by completing the Officer Qualifying Test and attending a six-week summer field training course at an Air Force base in the summer between the sophomore and junior years. Students apply for this two-year program during the first semester of their sophomore year.

¹Designated Professor of Aerospace Studies.

COLBY COLLEGE LIBRARY

Division of Physical Education and Athletics

PHYSICAL EDUCATION FOR MEN

Chairman, ASSOCIATE PROFESSOR WINKIN

Associate Professors Winkin, and Mrs. M. Bither; Assistant Professors Ullom¹, Gunn, McGee, Burke, and Covell; Mr. Scholz, Mr. Nelson, Mr. Green, Miss Barry, Mr. Hodges, and Mr. Schulten.

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 life-time sports activities in a program of physical fitness and exposure to aquatic experiences is required of all freshmen.

Physical Education 3, 4 provides a similar program. However, the Department of Physical Education and Athletics is granted permission to waive up to one year of the requirement for physical education credit and this may be fulfilled by meeting minimal proficiency requirements in the areas of instruction for Physical Education 1 and 2.

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

¹On leave, 1969-70.

The indoor Harold Alfond 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 year is divided into four seasons, and during the freshman year each student must elect one season each of swimming, dance, and an individual sport. Free elections in the sophomore year should provide an opportunity to become proficient in at least one leisure time activity. Beginning, intermediate, and advanced levels of instruction are offered. Posture examinations and specialized fitness tests are given to freshmen and used for subsequent advising.

The department cooperates with the Women's Athletic Association in carrying on activities throughout the year. There is a limited intercollegiate program in some areas sponsored by this group. The Modern Dance Club provides opportunity for those interested in dance. A Red Cross Water Safety Instructors' course is given. 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 Alfond Arena.

Juniors and seniors may participate in physical education activities when space permits.

All participation is subject to the approval of the college physician.

Seasonal offerings from which election may be made include: fall: archery, field hockey, golf, tennis, riding, swimming, judo, track and field, and modern dance; winter: badminton, balance beam and free exercise, basketball, folk, square and modern dance, fencing, swimming, volleyball, skating, skiing, judo, riding, squash, and body mechanics; spring: archery, golf, lacrosse, tennis, swimming, riding, and modern dance.

**INTERCOLLEGIATE ATHLETICS
FOR MEN**

Athletic teams, varsity and freshman, include baseball, basketball, football, hockey, track, cross country, golf, lacrosse, tennis, skiing, soccer, squash and swimming. All coaches are members of the faculty in the department of physical education and athletics. Colby is a member of the National Collegiate Athletic Association and the Eastern Colleges 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 and Special Programs

Recognizing the diversity of educational interests existing in every community, Colby College maintains a division of summer and special programs 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 John B. Simpson, director.

Courses of Study

KEY TO SYMBOLS AND METHODS 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.

The letter *L* following a course number indicates that it represents a laboratory or other auxiliary session that may be elected, for added credits, concurrently with the course of the same number.

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 1970-71.

* An asterisk indicates that the course will probably not be offered in 1971-72.

† A dagger indicates that the course will probably be offered in 1971-72.

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.

Credit hours shown are per semester unless otherwise noted.

Administrative Science

221C, 222
PRINCIPLES OF ACCOUNTING
MRS. KNIGHT

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. *Three credit hours.*

321, 322
FINANCE
MR. ZUKOWSKI

An analytically structured approach to decision-making in the financial area. Money and capital markets are considered.
Prerequisites: Administrative Science 221, 222 and Economics 241, 242 or special permission. *Three credit hours.*

341, 342
ADVANCED
ACCOUNTING
MR. ZUKOWSKI
AND MRS. KNIGHT

Advanced study of accounting theory with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.
Prerequisite: Administrative Science 221C, 222.
Three credit hours.

343, 344
MARKETING
MR. LANDSMAN

An analytical approach utilizing case material to develop an understanding of the marketing function within the distribution process, and of the problems faced by the decision-maker in the areas of product, communication, channel, and price strategies.
Prerequisite: Administrative Science 221, 222 or Economics 241, 242.
Three credit hours.

353
MANAGERIAL
ECONOMICS
MR. ZUKOWSKI

The decision-making process examined in an economic context.
Prerequisites: Administrative Science 221, 222 and Economics 241, 242 or special permission. *Three credit hours.*

354
LAW
MR. LANDSMAN

A study of those processes of law which underlie personal and institutional relationships. *Three credit hours.*

<p>411 THE CONSUMER IN SOCIETY MRS. KNIGHT</p>	<p>Consumer behavior is examined within the framework of the financial and social institutions which comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives and decisions. <i>Three credit hours.</i></p>
<p>†[412] INVESTMENTS MR. WILLIAMS</p>	<p>The principles of investment, with special attention to investment analysis, the investment process, and criteria for investment decisions. <i>Prerequisites:</i> Administrative Science 221, 222, 321, 322. <i>Three credit hours.</i></p>
<p>413 ORGANIZATIONAL BEHAVIOR MR. LANDSMAN</p>	<p>This course utilizes an historical and sociological orientation as it examines the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations. <i>Prerequisites:</i> Sociology 221, 222 or special permission of instructor. <i>Three credit hours.</i> <i>Note:</i> This course may be offered cooperatively with Sociology 393. A student may not receive credit for both Administrative Science 413 and Sociology 393.</p>
<p>414 SPECIAL TOPICS MR. ZUKOWSKI</p>	<p>Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class. <i>Prerequisites:</i> Administrative Science 221, 222, 321, 322, 413 and two additional semester courses in Administrative Science or from the approved group (see major requirements). <i>Three credit hours.</i></p>

Aerospace Studies

<p>133d WORLD MILITARY SYSTEMS MR. HILINSKI</p>	<p>A study and analysis of the purpose and causes of war and the factors and instruments of national power. The military instrument of the United States is examined in detail including a broad view of the Department of Defense and the three military services. The study concludes with an investigation of the sources of conflict in the world today and an assessment of the progress and prospect for peace. <i>Three credit hours.</i></p>
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313d
DEVELOPMENT OF
AEROSPACE POWER
MR. HARRIS

A course dealing with the growth and development of airpower in the United States, airpower today, space operations, and probable future development in manned aircraft and space operations. Conducted primarily in seminar. Three hours of lecture or seminar per week. *Three credit hours.*

413d
AEROSPACE STUDIES
MR. KOREJWO

An introduction to the theoretical aspects of leadership including a study of military management functions, principles, and techniques. Three hours of lecture or seminar per week.
Prerequisite: AS 313d or 332, and permission of the instructor.
Three credit hours.

Ancient History

IN THE DEPARTMENT OF CLASSICS

151
GREEK HISTORY
MRS. KOONCE

The history of Greece from Mycenae through the sixth century. Open to freshmen without permission. *Three credit hours.*

152
ROMAN HISTORY
MR. HOWARD

Topics in Roman History. Open to freshmen without permission. *Three credit hours.*

352
PROBLEMS IN
GREEK HISTORY
INSTRUCTOR

Athens in the fifth century.
Prerequisite: Permission of the instructor. *Three credit hours.*

Art

121, 122
INTRODUCTION TO ART
STAFF

First semester: an analytical approach to the visual arts and the historical development of European art through the Middle Ages. Second semester: the history of art from the Renaissance to the present. *Three credit hours.*

221, 222 BASIC DESIGN INSTRUCTOR	Principles of design, explored in both two and three dimensions utilizing various media. <i>Three credit hours.</i>
241, 242 INTRODUCTION TO DRAWING MISS MATTHEWS	Exploration of graphic media while learning basic representational and expressive means. Much emphasis is placed on out-of-class drawing. <i>Three credit hours.</i>
252 ARCHITECTURE MR. MILLER	Architectural styles with emphasis on modern developments. Course work includes problems in architectural design and the making of models of historical buildings. <i>Three credit hours.</i>
261, 262 BEGINNING SCULPTURE MISS MATTHEWS	The emphasis is on basic 3-dimensional design and the exploration of various sculptural techniques, both additive and subtractive. <i>Three credit hours.</i>
271 AMERICAN ART MR. MILLER	Architecture, sculpture and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <i>Three credit hours.</i>
†[311] ART OF THE RENAISSANCE IN NORTHERN EUROPE	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. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>
*312 ART OF THE RENAISSANCE IN ITALY MR. MILLER	The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major painters and sculptors. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>
†[314] VENETIAN AND BAROQUE ART	The art of the sixteenth to eighteenth centuries, with emphasis on the major painters. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>

318
EUROPEAN ART SINCE 1800
MR. CARPENTER

Emphasis on French painting of the nineteenth and twentieth centuries.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.

331d
STUDIO WORK: PAINTING
INSTRUCTOR

Oils and other media as vehicles for fully formed original expressions. Offered each semester.
Prerequisite: Art 211, or 221, 232 or 241, permission of instructor. *Three credit hours.*

335, 336
STUDIO WORK: SCULPTURE
MISS MATTHEWS

Work in several sculptural media with emphasis on expressive means.
Prerequisite: Art 221, or 241, permission of instructor. *Three credit hours.*

*353
THE GRAPHIC ARTS
MR. CARPENTER

History and criticism of drawing and print-making with emphasis on European art since the Renaissance.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.

371d
ADVANCED STUDIO WORK:
PAINTING
MR. MEADER

Offered each semester.
Prerequisite: Art 331d and permission of the instructor. *Three credit hours.*

411
SEMINAR IN ART CRITICISM
MR. CARPENTER

Primarily for senior art majors. Practice in employing critical method, reading, and discussion of various approaches to art criticism are directed toward study of the present state of knowledge in this field. *Three credit hours.*

491, 492
SPECIAL PROBLEMS
STAFF

Individual study of special problems in the practice, history or theory of the visual arts.
Prerequisite: Permission of the instructor.
Three credit hours.

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

*132

DESCRIPTIVE ASTRONOMY
MR. TAFFE

An introduction to the world beyond our solar system. Beginning with a study of the substance and structure of the universe, modern cosmological theories will be examined. Considerable discussion will be devoted to current topics in astronomical research (such as stellar evolution, galactic structure, quasars). *Three credit hours.*

Biology

111

LOWER INVERTEBRATES
AND PLANTS: ELEMENTS
OF GENETICS
STAFF

Part I: The biology of the lower invertebrates and the lower plants. Part II: An introduction to genetics.

Except with special permission 111 is prerequisite to all other courses in the department. *Four credit hours.*

114

VERTEBRATE BIOLOGY:
DEVELOPMENT, ANATOMY,
AND ORGAN PHYSIOLOGY
STAFF

An introduction to the comparative anatomy and embryology of the vertebrates.

Prerequisite: Biology 111 or equivalent. *Four credit hours.*

115, 116

CONCEPTS IN BIOLOGY
STAFF

These courses are primarily designed for students majoring in the social sciences or humanities. Each examines a few biological concepts in some depth. The relative amounts of time spent in the field, in the laboratory, or in discussion of theory vary according to the topic covered. Each satisfies one semester of the distribution requirement of a year of laboratory science. *Three credit hours.*

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- 271
INTRODUCTION TO PLANTS:
INTRODUCTION TO ECOLOGY
MR. DAVIS AND
MR. FOWLES
- Part I: Introductory survey of the plant kingdom, including life cycles and evolutionary relationships; microscopic anatomy of the higher plants; lecture and laboratory. Part II: Introduction to ecological concepts; lecture, field and laboratory.
Prerequisite: Biology 111 or equivalent. *Four credit hours.*
-
- 272
CELL BIOLOGY
MR. QUILLIN
- Cellular and associated molecular biology. Laboratory will involve microscopic study of cells and investigation of pertinent physico-chemical phenomena.
Prerequisite: Biology 271 or equivalent, and Chemistry 141, 142 (may be taken concurrently). *Four credit hours.*
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- †[311]
FIELD AND SYSTEMATIC
BOTANY
- Plant variation and evolution, illustrating the diversity of problems investigated by plant systematists and the variety of techniques used in studying these problems. A plant collection is required. *Four credit hours.*
-
- 312
GENETICS
MR. SCOTT
- 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.
Four credit hours.
-
- *313
INVERTEBRATE ZOOLOGY
MR. EASTON
- 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. *Four credit hours.*
-
- 314
PLANT METABOLISM,
GROWTH AND BEHAVIOR
MR. FOWLES
- The essential mechanisms of plant growth and development; photosynthesis, trans-location and enzymology will be studied.
Four credit hours.
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- 315
PHYSIOLOGY
MR. TERRY
- An introduction of the physiological processes, including enzyme action, respiration, permeability, muscular contraction, nervous and hormonal coordination. *Four credit hours.*

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- *317**
HISTOLOGY AND HISTOLOGICAL
TECHNIQUE
MR. QUILLIN
- 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. *Four credit hours.*
-
- 318**
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. *Four credit hours.*
-
- *319**
PLANT SYSTEMATICS
MR. FOWLES
- Biology of lower plants; comparative studies of the morphology, development, physiology and significance of algae, fungi and bryophytes. *Four credit hours.*
-
- †[331]
EMBRYOLOGY
- Animal development with emphasis on experimental analysis. *Four credit hours.*
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- †[333]
CHORDATE EVOLUTION
- Origin of vertebrate form through consideration of homologies in extinct and living organisms. The laboratory will consist of examination and dissection of representative higher invertebrates and vertebrates. *Four credit hours.*
-
- 352**
ECOLOGICAL THEORY
MR. DAVIS
- Discussion and reading on populations and ecosystems. *Two credit hours.*
-
- †[354]
MARINE ECOLOGY
- Field and laboratory studies of marine systems; 354 must be taken together with or following 352. *Two credit hours.*
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- *356**
INLAND ECOLOGY
MR. DAVIS
- Field and laboratory studies of terrestrial and fresh water systems; 356 must be taken together with or following 352. *Two credit hours.*

358
ECOLOGY FIELD STUDY
MR. DAVIS

A trip to a south-temperate or tropical area during the spring recess. Students must cover their own travel expenses.

Prerequisite: Biology 352, at least concurrently, or permission of the instructor. One credit hour.

401, 402
BIOLOGY SEMINAR
STAFF

One credit hour for the year.

491, 492
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. One to four credit hours. Credit to be arranged through consultation.

All courses at the 300-level have as prerequisite: **Biology 272** or permission of the department.

Chemistry

112
TOPICS IN CHEMISTRY
MR. SMITH

The course is designed as a one-semester science course, without laboratory credit, for nonscience majors. A small number of topics will be covered in some depth but at a level involving a limited use of mathematics. The subjects covered may vary, but will generally include atomic structure, radioactivity, nuclear energy, solar energy, entropy, energy relationships, and polymers. *Three credit hours.*

141e, 142
GENERAL CHEMISTRY AND
ELEMENTARY ANALYSIS
MR. MACHEMER

Selected fundamental principles in inorganic chemistry; stoichiometry; ionic equilibria; atomic and molecular structure. Three hours of lecture per week. *Three credit hours.*

141e, 142 L¹

Laboratory for 141e, 142. First term includes introductory quantitative analysis; second term systematic semimicro qualitative analysis. One hour of discussion, and three hours of laboratory per week. *One credit hour.*

241e, 242
ORGANIC CHEMISTRY
MR. REID

The chemistry of carbon compounds, aliphatic, aromatic and heterocyclic, from the point of view of synthesis, structure, properties and uses. Three lectures per week. *Three credit hours.*

241e, 242 L¹

Laboratory for 241e, 242. Involves separations, purifications, syntheses, determination of important properties, elementary analysis. One hour of discussion, and six hours of laboratory per week. *Two credit hours.*

331
QUANTITATIVE ANALYSIS
MR. RAY

A theoretical and practical study of fundamentals of gravimetric and volumetric methods of analysis. Laboratory work emphasizes the acquisition of manipulative skills. Lectures are devoted to principles underlying chemical analysis, literature of analytical chemistry, precision and sources of error. Two hours of lecture and a minimum of six hours per week of laboratory work.
Prerequisite: Chemistry 142. Four credit hours.

332
INSTRUMENTAL ANALYSIS
MR. MACHEMER

Instrumental analytical chemistry: theoretical and practical instruction in special instrumental methods, such as potentiometric, spectrophotometric, and others. Two hours of lecture, one hour of discussion, and five hours of laboratory per week.
Prerequisite: Chemistry 331, 342; Mathematics 122d. (Chemistry 342 may be taken concurrently). Four credit hours.

¹All laboratory courses should be taken simultaneously with the lecture course, if possible. Occasionally it may be necessary to delay the laboratory work until the following year. Non-science majors may take the lecture course without laboratory, if they so desire.

341, 342
PHYSICAL CHEMISTRY
MR. RAY

The laws governing the physical and chemical behavior of substances, emphasizing the theories and methods of physical chemistry and the application of physical chemical principles to the solution of problems. Three hours of lecture, one hour of discussion, and five hours of laboratory per week.

Prerequisite: Chemistry 142; Mathematics (122d may be taken concurrently with Chemistry 341); Physics 142. *Five credit hours.*

411
ADVANCED PHYSICAL
CHEMISTRY
MR. SMITH

Important topics in physical chemistry are discussed from a rigorous point of view. The material can be varied to suit the needs of the student in areas of elementary quantum mechanics, symmetry group theory, and chemical spectroscopy. Three hours of lecture per week. *Three credit hours.*

412
INORGANIC CHEMISTRY
MR. SMITH

Current models and concepts of inorganic chemistry with emphasis on both reaction and structural aspects, including nuclear chemistry, acid-base theory, chemical bonding, periodic properties, and coordination compounds. Three hours of lecture per week. *Prerequisite or corequisite:* Chemistry 342. *Three credit hours.*

431
QUALITATIVE ORGANIC
ANALYSIS
MR. REID

The systematic identification of organic compounds. Two hours of lecture, six hours of laboratory per week.

Prerequisite: Chemistry 332; Chemistry 342. *Four credit hours.*

432
ADVANCED ORGANIC
CHEMISTRY
MR. REID

Advanced topics, varied to suit the needs of the students: alicyclics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Two hours of lecture per week.

Prerequisite: Chemistry 242. *Two credit hours.*

467, 468
BIOCHEMISTRY
MR. MAIER

Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Three hours of lecture, one hour of discussion, and three hours of laboratory per week. Biology 111 and 114 are recommended as preparation. *Four credit hours.*

491, 492
SPECIAL TOPICS
STAFF

Laboratory work of a special (semi-research) nature may be arranged with the instructor. Six hours per week. *One to three credit hours.*

All 400-level courses have, as prerequisite, Chemistry 342 or permission of the department.

Classics (IN TRANSLATION)

IN THE DEPARTMENT OF CLASSICS

These courses require no knowledge of Latin or Greek. Attention is drawn also to the courses in Ancient History.

131
EARLY GREEK POETRY
MR. WESTERVELT

A close reading of the *Iliad* and the *Odyssey* of Homer in the light of the techniques of oral poetry.

No knowledge of Greek required. Three credit hours.

232
GREEK DRAMA
MR. WESTERVELT

Greek tragedy with particular emphasis on the *Oresteia* of Aeschylus, the *Oedipus* of Sophocles and the *Hippolytus* of Euripides.

This course is open to freshmen. *Three credit hours.*

Comparative Literature

OFFERED BY THE DEPARTMENTS OF CLASSICS, ENGLISH, AND MODERN LANGUAGES

[321, 322]
FORMS OF THE NOVEL

The psychological novel, tracing its development from early forms through works of the twentieth century. Representative major works of various countries will be studied in English. *Three credit hours.*

338
LITERARY MOVEMENTS
MR. MIZNER

Studies in the anti-hero from Childe Harold to his leather-jacketed descendants of the 1950's. *Three credit hours.*

Computer Science

IN THE DIVISION OF NATURAL SCIENCES

112d
INTRODUCTION
TO THE COMPUTER
MR. TAFFE
AND STAFF

Seminar on present and potential uses of computers in a technological society: their applicability to education, libraries, natural and social sciences, business, and humanities. Practical experience in computer use through doing simple, illustrative problems. *Two credit hours.*

East Asian Studies

OFFERED BY THE DEPARTMENTS OF ART, HISTORY AND GOVERNMENT,
MODERN FOREIGN LANGUAGES, AND PHILOSOPHY AND RELIGION.

Attention is drawn to the following courses all of which are approved by an interdepartmental committee for inclusion among the college's offering in East Asian Studies:

Government:

- 135 Approaches to Political Order, East and West
- 136 Political Modernization in Asia
- 236 Government and Politics in Modern Japan
- 375 Government and Politics in Modern China
- 376 Communist Chinese Foreign Policies and Foreign Relations
- 413 Seminar in Chinese Politics

History:

- 133, 134 Introduction to the History of East Asia
- 221, 222 History of East Asian Civilization
- [359] Modern Japanese History
- 363, 364 History of Japanese Culture
- [414] Seminar in Japanese History

Japanese:

101, 102	Elementary Japanese
†[103, 104]	Intermediate Japanese
111	Introduction to Japanese Culture
[241, 242]	Advanced Japanese
331, 332	Japanese Literature in Translation

Religion:

311, 312	Great Religions of the East
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491, 492
SPECIAL TOPICS
STAFF

Individual study of special problems in East Asian civilization, offered in the departments which participate in the program.
Prerequisite: Permission of the instructor and the program chairman. *Three credit hours.*

Economics

241e, 242
PRINCIPLES OF ECONOMICS
STAFF

Principles of economics and their applications to modern economic life. *Three credit hours.*

321, 322
ECONOMICS OF GOVERNMENT
REGULATION
MR. COX

Economic power in a private enterprise economy and the role of government in this context. In the second semester, an examination and evaluation of the antitrust laws.

Prerequisite: Economics 241, 242. *Three credit hours.*

323, 324
PUBLIC FINANCE AND
FISCAL POLICY
MR. DUNLEVY

American tax structure — federal, state and local — and the economic effects of various types of taxes and of government fiscal policy.

Prerequisite: Economics 241, 242. *Three credit hours.*

331
INTERMEDIATE ECONOMIC
THEORY
MR. COX

Theoretical concepts involved in the determination of price and output in a market economy. Analysis of both commodity and factor markets will be undertaken.

Prerequisite: Economics 241, 242. *Three credit hours.*

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- *334**
ECONOMIC DEVELOPMENT
MR. HOGENDORN
- The developing areas and their drive toward economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process.
Prerequisite: Economics 241, 242. Three credit hours.
-
- 336**
MODERN THEORY OF INCOME DETERMINATION
MR. DUNLEVY
- Aggregate economic analysis, with emphasis upon the Keynesian theory of the determination of income and employment. Examination of recent post-Keynesian developments and critical analysis of historical development of the theory and policies associated with it.
Prerequisite: Economics 241, 242. Three credit hours.
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- †[341, 342]
MONEY AND BANKING
- The role of money, credit and banking in the American economy, and the applicability of monetary policy to the problems of economic stability.
Prerequisite: Economics 241, 242. Three credit hours.
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- *361, 362**
LABOR ECONOMICS
INSTRUCTOR
- The American labor movement, emphasizing the development of unionism, union collective bargaining policies and practices, labor legislation, and the economic aspects of some major problems of labor.
Prerequisite: Economics 241, 242. Three credit hours.
-
- †[372]
EUROPEAN ECONOMIC HISTORY
- The framework of economic analysis applied to European historical patterns and trends. Study of aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions.
Prerequisite: Economics 241, 242. Three credit hours.
-
- 374**
AMERICAN ECONOMIC HISTORY
MR. GEMERY
- The framework of economic analysis applied to American historical patterns and trends. Study of aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions.
Prerequisite: Economics 241, 242. Three credit hours.
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- †[381, 382]
INTERNATIONAL ECONOMICS
- International trade theory, the balance of payments, commercial policy, and problems of international disequilibrium and adjustment.
Prerequisite: Economics 241, 242. Three credit hours.

<p>*391 COMPARATIVE ECONOMIC SYSTEMS MR. HOGENDORN</p>	<p>The basic types of economic systems, with special attention to the problems of economic planning and economic development. Emphasis is on Western Europe, Japan, the Soviet Union, and China.</p> <p><i>Prerequisite: Economics 241, 242. Three credit hours.</i></p>
<p>411 ECONOMIC THOUGHT 1750-1950 MR. GEMERY</p>	<p>An examination and appraisal of the contributions of the major economists from Adam Smith to John M. Keynes to the development of economic thought. Extensive use of source material.</p> <p><i>Prerequisite: Economics 241, 242, and senior standing. Required of all majors. Three credit hours.</i></p>
<p>491, 492 SPECIAL TOPICS IN ECONOMICS STAFF</p>	<p>Independent study devoted to a topic chosen by the student with the approval of the department.</p> <p>Open only to senior majors in economics. May be elected for either semester, or for the full year. <i>Three credit hours.</i></p>

Education

ARRANGED AND COORDINATED BY THE EDUCATION OFFICE

<p>213 SOCIOLOGY OF EDUCATION MR. JACOBSON</p>	<p>Open to prospective secondary school teachers, this course explores the role of human relations in education. Cooperatively planned to provide active student participation. Field experience (one hour daily) in local elementary schools. This course is required for certification.</p> <p><i>Prerequisite: Permission of the instructor. Three credit hours.</i></p>
<p>214 HISTORY OF EDUCATION MR. JACOBSON</p>	<p>A study of the American school, focusing on its history and relation to governing structure. The course is to be planned with student participation. Field experience (one hour daily) in local elementary schools. This course is required for certification.</p> <p><i>Prerequisite: Permission of the instructor. Three credit hours.</i></p>
<p>314 DEVELOPMENTAL PSYCHOLOGY MR. ZOHNER</p>	<p>Open to prospective secondary school teachers. This is the course Psychology 314 (<i>q.v.</i>) supplemented by one hour daily as associate teacher in a local junior high school. Required for certification.</p> <p>Permission of the instructor required. <i>Three credit hours.</i></p>

333
PHILOSOPHY OF EDUCATION
MR. HUDSON

This course is listed as Philosophy 333 (*q.v.*). When elected as Education 333 it calls for one hour daily as associate teacher in a local junior high school. Required for certification. *Three credit hours.*

352
AMERICAN THOUGHT
MR. HUDSON

This course is listed as Philosophy 352 (*q.v.*). *Three credit hours.*

411, 411-L
TEACHING OF ENGLISH,
TEACHING OF MODERN
FOREIGN LANGUAGES

Open to prospective secondary school teachers. Teaching of English is listed as English 411 (*q.v.*) and Teaching of Modern Foreign Languages is listed as Modern Foreign Languages 411 (*q.v.*), both are available to students enrolled in Education 441, 442. Required for certification.

441, 442
INTERNSHIP
MR. JACOBSON
AND STAFF

Open to prospective secondary school teachers. In the first semester, a study of the teaching-learning process with full-time internship teaching during January. 442 offers an opportunity to select special topics for independent study. Required for certification. Required field experience: one hour daily in the local high schools, as an intern.

Permission of the instructor required. *Three credit hours.*

491, 492
SPECIAL TOPICS
MR. JACOBSON

Topics cooperatively planned by students and instructor to meet individual and group needs. Conducted as seminar, tutorial, or independent study.

Prerequisite: Concurrent enrollment in Education 441, 442 and permission of the instructor. *Three credit hours.*

English

111, 112
113, 114
ENGLISH FUNDAMENTALS
MR. ARNOLD

Courses offering tutorial aid and intensive drill in the fundamentals of written English for those whose native language is not English or whose training in English is limited.

Prerequisite: Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111, 112, 113, 114. *Three credit hours.*

<p>115 ENGLISH COMPOSITION MR. SWENEY AND STAFF</p>	<p>Frequent practice in expository writing. Emphasis will be on the rhetorical modes of organization and the development of analysis and argument. <i>Three credit hours.</i></p>
<p>116 EXPOSITORY WRITING MR. ARNOLD</p>	<p>A course for those who desire further practice in the fundamentals of composition. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i></p>
<p>118 CREATIVE WRITING MR. MEEK</p>	<p>Introduction to the writing of poetry, with emphasis upon line forms (<i>e.g.</i> meter, syllabics) and fixed forms (<i>e.g.</i> sonnets, villanelle). <i>Prerequisite:</i> English 115, or exemption. <i>Three credit hours.</i></p>
<p>131d GENERAL SPEECH MR. SCHOEN</p>	<p>Fundamental principles of the composition and oral delivery of speeches. <i>Two credit hours.</i></p>
<p>152d INTRODUCTION TO LITERATURE MR. SUTHERLAND AND STAFF</p>	<p>An introduction to the analytic study of the structure and meaning of major works of literature. Particular attention will be paid to ways in which a nonrational rhetoric of imagery and paradox may communicate emotions, intuitions, and insights. May be repeated once for added course credit with departmental permission. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i></p>
<p>211 INTRODUCTION TO LITERATURE IN ENGLISH STAFF</p>	<p>Literature in the English language (medieval through Renaissance) through a study of selected English authors. <i>Prerequisite:</i> English 152. <i>Three credit hours.</i></p>
<p>212 INTRODUCTION TO LITERATURE IN ENGLISH STAFF</p>	<p>Literature in the English language (eighteenth through twentieth centuries) through a study of selected English authors. <i>Prerequisite:</i> English 152. <i>Three credit hours.</i></p>
<p>214d INTRODUCTION TO LITERATURE IN ENGLISH STAFF</p>	<p>Literature in the English language (eighteenth through twentieth centuries) through a study of selected American authors. <i>Prerequisite:</i> English 152. <i>Three credit hours.</i></p>

231
ADVANCED EXPOSITORY
PROSE
MR. MIZNER

Weekly assignments in some of the popular forms of prose: the personal essay, the formal essay, the popular article, and the critical review.

Prerequisite: Permission of instructor, enrollment limited.
Three credit hours.

233
ARGUMENTATION AND
DEBATE
MR. SCHOEN

Principles of argumentation with application in extended persuasive speeches and formal debate.

Prerequisite: English 131 or permission of the instructor.
Three credit hours.

251d
INTRODUCTION TO OLD AND
MIDDLE ENGLISH LITERATURE
MR. MACKAY
MR. RUSS

Readings will consist of *Beowulf* and other old English elegiac and heroic poetry, old and middle English religious and secular lyrics, and *The Canterbury Tales*.

Prerequisite: English 152 or 211. *Three credit hours.*

253
INTRODUCTION TO THE
ENGLISH RENAISSANCE
MR. ARNOLD

An exploration of the nature of the English Renaissance through a study of its prose and poetry. Consideration will be given to the major literary traditions and to selected works of Marlowe, More, Shakespeare, Sidney, Spenser, Surrey, Wyatt.

Prerequisite: English 152 or 211. *Three credit hours.*

255d
INTRODUCTION TO THE POETRY
OF THE SEVENTEENTH CENTURY
MR. KOONCE
MR. ARNOLD

An examination of the major poetic and intellectual traditions in the seventeenth century as represented by Donne, Jonson, Herbert, Marvell, Dryden, and selected minor poets.

Prerequisite: English 152 or 211. *Three credit hours.*

257d
INTRODUCTION TO 18TH
CENTURY LITERATURE
MR. SUTHERLAND
MR. SWENFY

A study of selected works by Pope, Swift, Johnson, Blake and other major writers of the 18th century.

Prerequisite: English 152 or 211. *Three credit hours.*

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- 259d
INTRODUCTION TO
ROMANTICISM
MR. MIZNER
MR. STRATMAN
- A survey of the major Romantic poets, with ancillary reading in the essay, novel, and minor poetry of the period.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 311d2
STUDIES IN MEDIEVAL
LITERATURE
MR. MACKAY
- Chaucer's development of his continental sources with special attention to *Troilus*, "The Knight's Tale," *The Parliament*, and *The House of Fame*.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 312
STUDIES IN THE
RENAISSANCE
MR. NORFORD
- The poetry of Edmund Spenser. Attention will be focused upon *The Faerie Queene* and the problem of Renaissance epic.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 315d2
STUDIES IN THE
SEVENTEENTH CENTURY
MR. SWENEY
- An exploration of the relationships between Tudor-Stuart and Restoration drama. Among the dramatists studied will be Marlowe, Jonson, Webster, Milton, Dryden, Shadwell, Otway, and Congreve.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 317
MILTON
MR. NORFORD
- Milton's poetry and prose.
Prerequisite: English 152 or 211. *Three credit hours.*
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- 321-322
SHAKESPEARE
MR. BENBOW
- Lectures covering selected plays with special attention to Shakespeare's development as a dramatist.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 331
STUDIES IN THE
EIGHTEENTH CENTURY
MR. SUTHERLAND
- A study of the development of the novel as a major art form. Readings in Defoe, Richardson, Fielding, Smollett, Sterne, and others.
Prerequisite: English 152 or 211. *Three credit hours.*

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- 332**
STUDIES IN ROMANTICISM
 MR. KENNEY
- A study of the effect of the Romantic movement on the novel, emphasizing the poetry and poetic theory of Wordsworth and Coleridge and the novels of the Brontes, Dickens, George Eliot, Meredith, and Hardy.
- Prerequisite:* English 152 or 211. *Three credit hours.*
-
- 333**
VICTORIAN POETRY
 MISS CURRAN
- A study of Victorian poetry, from Tennyson through Hopkins. Selected prose works will be read both to show Victorian critical theory and to illustrate the relationships between poetic and prose styles.
- Prerequisite:* English 152 or 211. *Three credit hours.*
-
- 334**
STUDIES IN VICTORIAN LITERATURE: THE COMIC SPIRIT
 MISS CURRAN
- The Victorian comic traditions emphasizing the nature of comedy and the conditions which produced it. Works by Carlyle, the early and late *Punch* writers, Thackeray, Dickens, the nonsense writers, Meredith, Wilde, and Shaw.
- Prerequisite:* English 152 or 211. *Three credit hours.*
-
- 335**
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 152 or 211. *Three credit hours.*
-
- 336**
AMERICAN REALISM AND NATURALISM
 MR. BRANCACCIO
- The development of fictional techniques in America during the late nineteenth and early twentieth century. Readings will be drawn from the following authors: Twain, James, Crane, Howells, Norris, Garland, and Dreiser.
- Prerequisite:* English 152 or 211. *Three credit hours.*
-
- 351**
EDWARDIAN LITERATURE
 MR. KENNEY
- A study of the intellectual, social, and artistic turmoil of the transitional years, 1880-1920, emphasizing the achievements of Conrad, Joyce, and early Yeats.
- Prerequisite:* English 152 or 211. *Three credit hours.*
-
- *352**
CONTEMPORARY AMERICAN FICTION
 MR. BASSETT
- Lectures covering the fiction of Fitzgerald, Hemingway, Faulkner, Dos Passos, Steinbeck, Warren, Mailer, Bellow, Barth and others, with emphasis upon the pattern of fictional experience of the hero in conflict with the modern world.
- Prerequisite:* English 152 or 211. *Three credit hours.*

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- *353
20TH CENTURY POETRY:
THE MODERNIST REVOLUTION
MR. HUNT
- Lectures on the beginnings of modern poetry from the Imagist Movement to the poetry of the Thirties. Special attention will be given to the major poetic works by Yeats, Eliot, Pound.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- †[354]
CONTEMPORARY BRITISH
FICTION
- Lectures on the British novel since World War I, emphasizing the works of Virginia Woolf and D. H. Lawrence and considering such other writers as E. M. Forster, Aldous Huxley, Graham Greene, Joyce Cary, and William Golding.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- †[355]
20TH CENTURY POETRY:
MID-CENTURY
- Lectures on the contrary directions of poetry written since World War II. Special attention will be given to poems by Robert Lowell, Theodore Roethke, the later William Carlos Williams.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 357-358
MODERN DRAMA
MR. WITHAM
- The Modern Theater in America and Europe, approached through critical reading and discussion of outstanding plays of the late nineteenth and twentieth centuries, with lectures on the important theatrical movements of the times. Qualified students may be admitted to the second semester without the first.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 371
STUDIES IN CRITICISM
MR. STRATMAN
- An intensive study of the poetics of Aristotle and of the *Ars Poetica* of Horace with the study of their importance in the medieval and renaissance literary tradition.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 373
HISTORY OF THE LANGUAGE
MR. RUSS
- A study of English language changes involving sound, spelling, syntax, inflexion, and vocabulary from Anglo-Saxon times to the present. Course materials will consist of a basic historical text supplemented by illustrative selections from English and American literature.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- †[391]
ADVANCED FICTION WORKSHOP
- Practice in the writing of short stories with major emphasis upon student manuscripts.
Prerequisite: English 118 or permission of instructor. *Three credit hours.*

393
ADVANCED POETRY WORKSHOP
MR. MEEK

Practice in the writing of poetry with major emphasis upon student manuscripts.
Prerequisite: English 118 or permission of instructor. *Three credit hours.*

394
HONORS SEMINAR
MR. SUTHERLAND

Topics, which change each year, normally investigate a genre and cut across literary periods.
Prerequisite: Open only to members of *Honors Program*. *Three credit hours.*

396d
ORAL INTERPRETATION
MR. SCHOEN

Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience.
Prerequisite: English 152 or 211. *Three credit hours.*

411
THE TEACHING OF ENGLISH
INSTRUCTOR

Reading and discussion of current issues and methods in the teaching of English and participation in the Center for Coordinated Studies.
Prerequisite: Concurrent enrollment in Education 441 or permission of instructor. *Three credit hours.*

423-424
MAJOR AMERICAN
ROMANTICS
MR. CARY

The golden age of romanticism in American literature. First semester: representative works of Poe, Emerson, Thoreau; second semester: Whitman, Melville, Hawthorne. The first semester may be taken alone, but it is a prerequisite for the second.
Prerequisite: English 152 or 211. *Three credit hours.*

491-492
TOPICS IN LITERATURE
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the chairman. *Three credit hours.*

493-494
SEMINAR IN ENGLISH AND
AMERICAN LITERATURE
STAFF

Topics which change each semester may cover an author, a genre, or a literary movement.
Prerequisite: Permission of the department. *Three credit hours.*

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. Class meets daily Monday through Friday. *Four credit hours.*

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

123, 124

ADVANCED FRENCH
STAFF

Advanced work in all aspects of French: grammar, oral and written composition, analytical reading. Focus is on language, but materials deal largely with French civilization. May be taken concurrently with French 125, 126.

Prerequisite: French 103, 104 or three years of high-school French and appropriate score on the placement test. *Three credit hours.*

125, 126

INTRODUCTION TO
FRENCH LITERATURE
STAFF

Introduction to French literature through the reading of selected masterpieces illustrative of the major genres. Intensive reading and *analyse de texte*. Conducted chiefly in French. French 127, 128 is highly recommended as a one-hour supplementary course which offers additional training in writing.

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. *Three credit hours.*

127, 128

WRITING WORKSHOP
IN FRENCH
STAFF

Practice in writing, free composition, grammar review. Conducted chiefly in French.

Prerequisite: Student must be registered concurrently in French 125, 126. *One credit hour.*

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- 211d**
FRENCH COMPOSITION
 MR. FILOSOFF
- 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 permission of the instructor.
Three credit hours.
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- 221, 222**
MAJOR FRENCH
AUTHORS
 STAFF
- A study of thematically grouped works of major French authors and critical and background materials. Two lectures and one discussion period per week. Conducted chiefly in French.
Prerequisite: French 125, 126 or the equivalent. Open only to sophomore majors in French. *Four credit hours.*
-
- 241, 242**
CONTEMPORARY FRENCH
LITERATURE
 MR. SMITH
- Introduction to literature of the 20th century, with representative works in prose, poetry, and theatre. Conducted chiefly in French.
Prerequisite: French 125, 126. *Three credit hours.*
-
- 303, 304**
INDEPENDENT
STUDY
 STAFF
- Students work independently on a tutorial basis in one or more areas of French literature and civilization.
Prerequisite: French 203, 204. Open only to junior French majors. *Four credit hours.*
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- *343, 344**
FRENCH LITERATURE OF THE
EIGHTEENTH CENTURY
 MR. KELLENBERGER
- 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.
Prerequisite: French 241, 242 or permission of the instructor.
Three credit hours.
-
- 361, 362**
STUDIES IN THE
FRENCH NOVEL
 MR. FERGUSON
- A consideration of some of the major French novelists, grouped usually by theme, period, or genre. For 1970-71: social and psychological preoccupations in the novel from Diderot to Sartre. Conducted in French.
Prerequisite: French 125, 126 or equivalent. *Three credit hours.*

†[363, 364] STUDIES IN FRENCH POETRY	A consideration of some of the major French poets grouped usually by theme, period, or movement. Conducted in French. <i>Prerequisite:</i> French 125, 126 or equivalent. <i>Three credit hours.</i>
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†[365, 366] STUDIES IN FRENCH THEATER	A consideration of some of France's major dramatists, grouped usually by theme, period, or genre. Conducted in French. <i>Prerequisite:</i> French 125, 126 or equivalent. <i>Three credit hours.</i>
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†[403, 404] HISTORY OF FRENCH LITERATURE	Senior majors review the history of France and its literature using the individual projects of the junior year as a point of departure. Conducted in French. <i>Prerequisite:</i> French 303, 304. Open only to senior majors in French. <i>Three credit hours.</i>
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411 TEACHING OF MODERN FOREIGN LANGUAGES MR. BIRON	Problems and methods of teaching French. 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. <i>Prerequisite:</i> French 241, 242. <i>Three credit hours.</i>
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411-L LANGUAGE TEACHING STAFF	Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in French 411. <i>Two credit hours.</i>
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412 ADVANCED COMPOSITION AND STYLISTICS MR. BIRON	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. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
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491, 492 TOPICS IN FRENCH LITERATURE MR. SMITH AND MR. FILOSOF	Topics, which change each semester, may cover an author, a genre, or a literary movement. Topics for 1970-71: 491, Moliere; 492, The Contemporary Novel. Conducted in French. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
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Geology

<p>121e, 122 INTRODUCTION TO GEOLOGICAL SCIENCE (I)¹ MR. KOONS</p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes. (Satisfies science distribution requirement, but not laboratory science.) <i>Three credit hours.</i></p>
<p>141e, 142 INTRODUCTION TO GEOLOGICAL SCIENCE (II)¹ MR. KOONS</p>	<p>Lecture and text material the same as Geology 121e, 122, but with the addition of laboratory and field sessions. Enrollment limited to one laboratory section of 25-30 students; recommended for those planning to major in geology. <i>Four credit hours.</i></p>
<p>161e, 162 PROBLEMS IN GEOLOGY¹ STAFF</p>	<p>A study of 8-10 major problems under active investigation, about which there is disagreement among competent scholars. At least one problem each semester involves extensive individual laboratory or field investigation. Not an introduction to geologic mechanisms and processes, and not for students planning to major in geology. Enrollment limited to 20-25 students per section. <i>Three credit hours.</i></p>
<p>†[192] METEOROLOGY</p>	<p>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. <i>Three credit hours.</i></p>
<p>211 DESCRIPTIVE MINERALOGY MR. ALLEN</p>	<p>Crystallography, physical properties, and chemical structure of minerals. <i>Prerequisite:</i> Chemistry 141 (may be taken concurrently) or permission of instructor. <i>Four credit hours.</i></p>
<p>212 SEDIMENTATION AND SEDIMENTARY ROCKS MR. PESTANA</p>	<p>Mechanical and chemical processes of sedimentation, environments, methods of mechanical analysis of sediments, and a description and classification of the sedimentary rocks. <i>Prerequisite:</i> Geology 211 or permission of instructor. <i>Four credit hours.</i></p>

¹ Of the year-sequences 121e, 122, 141e, 142, 161e, 162, not more than one sequence may be offered for course-credit.

<p>*221, 222 MAP INTERPRETATION AND GEOMORPHOLOGY OF THE UNITED STATES MR. KOONS</p>	<p>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.</p> <p><i>Prerequisite:</i> Geology 122, or 142, or 161, 162. <i>Three credit hours.</i></p>
<p>*241, 242 GEOLOGIC STRUCTURES AND FIELD METHODS MR. ALLEN</p>	<p>Analysis of rock structures and their significance, and techniques of field mapping.</p> <p><i>Prerequisite:</i> Geology 122, or 142, or 161, 162. <i>Four credit hours.</i></p>
<p>261, 262 INVERTEBRATE PALEONTOLOGY MR. PESTANA</p>	<p>Morphology of invertebrates and general principles including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification.</p> <p><i>Prerequisites:</i> For 261: Geology 122, or 142, or 162, or one year of biology; for 262: Geology 261 or Biology 313. <i>Four credit hours.</i></p>
<p>†[271] GLACIAL GEOLOGY</p>	<p>The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned.</p> <p><i>Prerequisite:</i> Geology 122, or 142, or 162. <i>Three credit hours.</i></p>
<p>311 OPTICAL MINERALOGY MR. ALLEN</p>	<p>Optical properties of crystals; technique in the determination of minerals using the petrographic microscope.</p> <p><i>Prerequisite:</i> Geology 211. <i>Four credit hours.</i></p>
<p>312 PETROLOGY OF THE IGNEOUS AND METAMORPHIC ROCKS MR. ALLEN</p>	<p>Optical study of the igneous and metamorphic rocks, and their origin, structure, and composition.</p> <p><i>Prerequisite:</i> Geology 311. <i>Four credit hours.</i></p>
<p>†[314] PETROLEUM GEOLOGY</p>	<p>The origin, occurrence, and production of petroleum, natural gas, and related compounds. Attention is given to methods of discovery and correlation of petroliferous rocks.</p> <p><i>Prerequisite:</i> Geology 212. <i>Four credit hours.</i></p>

†[351]
STRATIGRAPHY

Principles of Stratigraphy. Includes a study of the relationships and correlation of sedimentary rocks. Laboratories include work with index fossils and a detailed analysis and correlation of well samples.

Prerequisite: Geology 212 and Geology 261 or Biology 313.
Four credit hours.

491, 492
SPECIAL PROBLEMS IN
GEOLOGY
STAFF

Field and laboratory problems in geology, with regular reports and a final written report.

Prerequisite: Permission of the instructor. *Variable one to three credit hours.*

Geophysical Science

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

*111
OCEANOGRAPHY I
MR. TAFFE

A descriptive introduction to physical, dynamical and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents and other important dynamical features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. *Three credit hours.*

*113
OCEANOGRAPHY II
MR. TAFFE

Course 111, supplemented by laboratory experience and by field trips to nearby oceanographic institutes and to the seashore. Students electing this course should try to avoid conflicting Saturday classes. Enrollment limited to twenty-five students. Fulfills laboratory science requirement. *Four credit hours.*

German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102
ELEMENTARY GERMAN
MR. KUETER AND 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. Class meets daily Monday through Friday. *Four credit hours.*

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.

Prerequisite: German 101, 102 or two years of high-school German and appropriate score on the placement test. *Three credit hours.*

215
CONVERSATION AND
COMPOSITION
MR. SCHMIDT,
MR. KUETER

Intensive audio-lingual work on an advanced level to achieve mastery of everyday German. Tapes are used in lieu of texts. One class weekly of grammar review plus daily free compositions. Conducted primarily in German. (May not be selected by students who have credit for German 107, 108.)

Prerequisite: German 103, 104 or three years of high-school German and appropriate placement. *Three credit hours.*

†[218]
WRITING WORKSHOP
IN GERMAN

Practice in writing, free composition, grammar review. Conducted chiefly in German.

Prerequisite: Student must be registered concurrently in German 216. *One credit hour.*

†[333]
NINETEENTH CENTURY
THEATRE

Representative works of the major dramatists of the nineteenth century.

Prerequisite: German 216 or special permission. *Three credit hours.*

†[334]
NINETEENTH CENTURY
NOVEL

Representative works of the major novelists of the nineteenth century.

Prerequisite: German 216 or special permission. *Three credit hours.*

335
ROMANTICISM
MR. BITHER

Representative works of Holderlin, Novalis, Tieck, August Wilhelm Schlegel, Friedrich Schlegel, Eichendorff and E. Th. A. Hoffmann. Conducted in German.

Prerequisite: German 216 or permission of instructor. *Three credit hours.*

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- 336
THE NOVELLE
MRS. FERGUSON
- Extensive readings in the novelle of the nineteenth century. Conducted in German.
Prerequisite: German 216 or permission of instructor. *Three credit hours.*
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- *343, 344
GERMAN LITERATURE OF THE
EIGHTEENTH CENTURY
MR. KUETER
- 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 216 or special permission. *Three credit hours.*
-
- †[347, 348]
CONTEMPORARY GERMAN
LITERATURE
- 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 216 or special permission. *Three credit hours.*
-
- †[351]
MEDIÆVAL LITERATURE
- Literature of mediæval Germany from primitive old Germanic works through the classical period of Middle High German literature, using New High German translations with some sampling of texts in the original. Conducted in German.
Prerequisite: Two semesters work beyond German 216. *Three credit hours.*
-
- †[352]
HUMANISM, REFORMATION
AND BAROQUE
- Selected readings from major authors of each period, with special emphasis on their influence on German thought and literature. Conducted in German.
Prerequisite: German 351. *Three credit hours.*
-
- 411
TEACHING OF MODERN
FOREIGN LANGUAGES
MR. BIRON
- Problems and methods of teaching German. 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: German 215 or 216. *Three credit hours.*

411-L
LANGUAGE TEACHING
STAFF

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in German 411. *Two credit hours.*

491
TOPICS IN GERMAN
LITERATURE
MR. SCHMIDT

Topics may vary from year to year, and may cover an author, a genre, or a literary movement. Topic for 1970-71: 491, *Faust*. Conducted in German.
Prerequisite: Permission of the instructor. *Three credit hours.*

Government

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

131, 132
AN INTRODUCTION TO
A STUDY OF THE
POLITICAL ORDER
STAFF

An introduction to thought about the art and science of politics and to diverse forms of political action. Each instructor approaches politics in terms of a different problem. A description of the work for each section is available at registration. Students may not study with the same instructor more than one semester.
 Open to freshmen only. *Three credit hours.*

135
APPROACHES TO THE POLITICAL
ORDER — EAST AND WEST
MR. PAN

A comparative study of approaches to the political order exemplified in the writings of thinkers from East and West. Their interpretations and theorizations of the origin of the state, the purpose of government, the ideal state, desirable scope of political authority, the role of the individual, and other significant problems will be examined. *Three credit hours.*

136
POLITICAL MODERNIZATION
IN ASIA
MR. PAN

A study of the major factors contributing to political change, the problems encountered in the process of modernization, and the prospects of establishing viable democratic political systems in Asian countries. General theories of political modernization will be analyzed and tested in case studies. *Three credit hours.*

235
EUROPEAN POLITICS
MR. MAKINEN

Britain, France, and West Germany viewed in terms of their contemporary political structures and in terms of the problems they face. *Three credit hours.*

236 GOVERNMENT AND POLITICS IN MODERN JAPAN MR. PAN	A study of modern Japanese political institutions and political processes. Special attention will be given to the Japanese approach to political modernization, party politics, policy-making processes at the national level, and foreign relations, compared with the approaches of Western democracies. <i>Three credit hours.</i>
257 THE AMERICAN PRESIDENCY INSTRUCTOR	A study of the powers and limitations of the federal executive in modern American politics. <i>Three credit hours.</i>
258 THE LEGISLATIVE PROCESS INSTRUCTOR	A comparison of the law-making process in legislative bodies with emphasis on the United States Congress. This course will include the electoral process, legislative politics, and Congressional relationships with interest groups as well as with other governmental bodies. <i>Three credit hours.</i>
314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC	The United States Supreme Court and constitutional litigation as part of the American political process. <i>Three credit hours.</i>
321, 322 POLITICAL THEORY MR. MAVRINAC¹	Analysis of some of the principal western approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. <i>Three credit hours.</i>
*333 TOTALITARIAN GOVERNMENT AND POLITICS MR. MAVRINAC	The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. <i>Three credit hours.</i>
335 INTERNATIONAL RELATIONS MR. WEISSBERG	Principles of international politics, stressing such topics as the balance of power, collective security, diplomacy and nationalism. <i>Three credit hours.</i>

¹In the fall of 1971, Government 321 will be taught by Avalon Professor Carl J. Friedrich of Harvard University.

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- 336
INTERNATIONAL ORGANIZATION
MR. WEISSBERG
- The structure, politics and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. *Three credit hours.*
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- 338
INTERNATIONAL LAW
MR. WEISSBERG
- The body of rules and principles of behavior which govern states in their relations with each other, as illustrated in cases and texts. *Three credit hours.*
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- 354d1
AFRICAN POLITICS
MR. MAKINEN
- The politics of cultural conflict and self-expression in Africa south of the Sahara. Topics will include traditional African political systems, colonial rule, nationalist movements, neo-imperialism, and African socialism. *Three credit hours.*
-
- 356
POLITICAL BEHAVIOR
MR. MAKINEN
- Why do citizens and politicians act the way they do? How and why do they form their attitudes and beliefs? How do social scientists go about finding the answers to questions like these? These questions will be approached in the context of theory and data derived from the study of group and individual behavior in Europe, Africa, and the United States.
- A prior or concurrent course in European or Third World politics is advisable. *Three credit hours.*
-
- 375
GOVERNMENT AND POLITICS
OF MODERN CHINA
MR. PAN
- A study of the foundations and dynamic factors of Chinese politics in the twentieth century, with special emphasis on Chinese Communist political theory and practice, the role of political parties in the process of revolutionary change, distribution of political power and authority, major domestic policies, and foreign relations. *Three credit hours.*
-
- 376
COMMUNIST CHINESE FOREIGN
POLICIES AND FOREIGN
RELATIONS
MR. PAN
- A study of the theoretical assumptions and dynamics of Communist China's foreign policy, of the conduct of its foreign relations, and of the organization of the machinery for the conduct of its foreign relations. *Three credit hours.*
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- †[377]
SPECIAL PROBLEMS IN LOCAL
GOVERNMENT
- Problems vary from year to year, but 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. *Three credit hours.*

392
STATE AND LOCAL
GOVERNMENT
INSTRUCTOR

An examination of the institutions and processes of state and municipal government in the United States. *Three credit hours.*

413
SEMINAR IN
CHINESE POLITICS
MR. PAN

Discussion, research, and reports on selected problems of Chinese political thought, domestic politics, or foreign policy. Problems vary with the interests of students and instructor. Analytical treatment is emphasized.

Prerequisite: A previous course related to China and/or permission of the instructor. *Three credit hours.*

414
SEMINAR IN
COMPARATIVE POLITICS
MR. MAKINEN

Selected problems in political analysis dealing with phenomena of our times. Topics for the last two years were "Conditions and Modes of Revolution" and "Black Self-expression in the United States and Africa". *Three credit hours.*

435
SEMINAR IN AMERICAN
NATIONAL GOVERNMENT AND
POLITICS
INSTRUCTOR

The American national government as organization and process, and of the elements of national political life.

Prerequisite: Government 235 or permission of the instructor. *Three credit hours.*

457
FOREIGN POLICY OF THE
UNITED STATES
MR. WEISSBERG

Problems of planning and executing American foreign policy. *Prerequisite:* Government 235, or equivalent; or Government 335, or equivalent; or permission of the instructor. *Three credit hours.*

[458]
SEMINAR ON THE
UNITED NATIONS

This seminar will be conducted in the form of the United Nations Security Council as presently constituted. Case studies on issues involving maintenance and restoration of international peace and security will be placed on the agenda. Each participant will assume the role of a U. N. representative in order to resolve the dispute.

Prerequisite: Permission of the instructor. *Three credit hours.*

491, 492
TOPICS IN GOVERNMENT
STAFF

A study of government through special topics.
Prerequisite: Government major and special permission of the department chairman. *Three credit hours.*

[498]
SEMINAR IN CONTEMPORARY
POLITICAL PROBLEMS

A seminar in some contemporary problems in political thought and practice.
Prerequisite: Permission of the instructor. *Three credit hours.*

Greek

IN THE DEPARTMENT OF CLASSICS

101, 102
ELEMENTARY GREEK
MR. WESTERVELT

Readings in Homer's *Iliad*. *Four credit hours.*

131
INTRODUCTION TO
GREEK LITERATURE I
MR. WESTERVELT

The *Iliad*. *Three credit hours.*

132
INTRODUCTION TO
GREEK LITERATURE II
MR. HOWARD

The *Republic* of Plato: Book I. *Three credit hours.*

351
GREEK LITERATURE
MRS. KOONCE

Euripides. *Three credit hours.*

352
GREEK LITERATURE
INSTRUCTOR

Sophocles. *Three credit hours.*

411, 412
GREEK LITERATURE
INDEPENDENT READING
IN GREEK
STAFF

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

History

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

131, 132
INTRODUCTION TO
HISTORICAL ANALYSIS
STAFF

The several sections provide varied approaches to methods of historical analysis. Recent examples have been: the Crusades; dynamics of revolution; humanism; twentieth century France; contemporary American society. A description of work proposed for each section is available at registration. Limited to freshmen.
Three credit hours.

133, 134
INTRODUCTION TO THE
HISTORY OF EAST ASIA
MR. ELISON AND
INSTRUCTOR

Selected problems in the premodern and modern history of China and Japan. The problems to be covered may include: continuity and change in a traditional society; the intellectual dimension of culture; the integrative factors of a period in history; modernization and revolution. *Three credit hours.*

221, 222
HISTORY OF EAST ASIAN
CIVILIZATION
MR. ELISON AND
INSTRUCTOR

The interaction of cultures in East Asia. First semester: the traditional civilization in China and Japan, with some attention to peripheral areas. Second semester: chiefly Chinese and Japanese reactions to Western stimuli in the nineteenth and twentieth centuries, and the resulting problems of modernization.
Three credit hours.

†[231]
MEDIEVAL CIVILIZATION,
476-1300

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.
Three credit hours.

†[232]
RENAISSANCE AND
REFORMATION
1300-1648

An intellectual and cultural history of the period of transition from the medieval to the modern world. *Three credit hours.*

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- 237
THE EMERGENCE OF MODERN
BRITAIN, 1688-1867
MR. GILLUM
- England and her colonies during the American, French and Industrial Revolutions. *Three credit hours.*
-
- 238
BRITAIN SINCE 1867
MR. GILLUM
- Britain from the Age of Imperialism through the era of World Wars, and to the dissolution of the Empire. *Three credit hours.*
-
- 281e, 282
SURVEY OF UNITED STATES
HISTORY
MR. BRIDGMAN
- United States history from the Age of Discovery to the present. Although chronological symmetry is maintained, an effort is made to demonstrate the particular value of political, economic, and constitutional interpretation. *Three credit hours.*
-
- 311
TUTORIAL IN HISTORY
MR. RAYMOND
- Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to five students. Open by permission. *One to three credits by prior arrangement.*
-
- *314
AMERICAN COLONIAL
HISTORY
MR. KANY
- A study of the period of European colonization of North America and of the emergence of the American social and political "system" of 1776 and 1787 that prefigures the United States of the 19th and 20th Centuries. *Three credit hours.*
-
- *323, 324
DIPLOMATIC HISTORY,
NINETEENTH AND
TWENTIETH CENTURIES
MR. BERSCHNEIDER
- The modern state system and diplomatic relations existing among the 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. *Three credit hours.*
-
- †[335]
MIEVEAL ENGLAND: THE
ORIGINS OF THE COMMON LAW
- 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. *Three credit hours.*

-
- 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. *Three credit hours.*
-
- 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. *Three credit hours.*
-
- †[355]
INTELLECTUAL AND CULTURAL
HISTORY OF MODERN EUROPE
- Principal trends and leaders of new thought (Darwin, Marx, Freud *et al.*) with emphasis on late-nineteenth and twentieth century intellectual developments. *Three credit hours.*
-
- *357
MODERN FRANCE
MRS. MAVRINAC
- Traditional French society and the various reactions to economic and social threats from 1848 to the present.
Prerequisite: One year course, or equivalent, in history, or permission of the instructor. *Three credit hours.*
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- [359]
MODERN JAPANESE
HISTORY
- The history of Japan from ca. 1800 to the present day, concentrating on a treatment of Japan's modernization and the political, social and ideological problems connected with the process of modernization. *Three credit hours.*
-
- 363, 364
THE HISTORY OF
JAPANESE CULTURE
MR. ELISON AND
INSTRUCTOR
- First semester: Jōmon - Ōnin. From the origins of the Japanese people to the collapse of the mediaeval order in the civil wars of the fifteenth century. The course treats institutional problems but concentrates more on cultural history. Second semester: Early Modern History: the Country at War; Azuchi-Momoyama and the reunification of Japan; the Tokugawa order. Emphasis is placed on the "Christian Century" of Japan, the social ethic of the Edo period, and the genre scene projected by the popular theatre.

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- 372
THE FRENCH REVOLUTION
AND NAPOLEON
MR. RAYMOND
- 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. *Three credit hours.*
-
- *375
MODERN GERMANY
MR. GILLUM
- 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 381, 382. *Three credit hours.*
-
- *391
THE AMERICAN CIVIL WAR
MR. RAYMOND
- The political, economic, social and military perspectives of the Civil War. *Three credit hours.*
-
- †[392]
CONTEMPORARY AMERICA
- The political history of the United States from the onset of the Great Depression to the present. *Three credit hours.*
-
- *393
THE SOUTH IN
UNITED STATES HISTORY,
1828-1890
MR. BRIDGMAN
- The South and its peculiar institutions. An effort is made to illustrate how the area accomplished an incomplete transition from agrarianism to industrialism. *Three credit hours.*
-
- *394
SOCIAL AND CULTURAL
HISTORY OF THE UNITED
STATES, 1890-1929
MR. BRIDGMAN
- Materials illustrate major changes in social organization. The time period considered is from the late nineteenth century to the apparent onset of the Great Depression. *Three credit hours.*
-
- †[395]
THE EARLY NATIONAL
REPUBLIC, 1789-1846
- The United States during its first long half-century as an independent nation. *Three credit hours.*

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- †[396]
THE ERA OF THE
AMERICAN REVOLUTION,
1793-1800
- Interpretations of the coming of the Revolution, the Declaration of Independence, the War, the Articles of Confederation, the Constitution, and the Federalist years. Foundations of American institutions and traditions are viewed. *Three credit hours.*
-
- 397
AFRO-AMERICAN
HISTORY I
MR. FONER
- The history of the black American and race relations from the African background to the end of the Civil War.
Prerequisite: Permission of the instructor. *Three credit hours.*
-
- 398
AFRO-AMERICAN
HISTORY II
MR. FONER
- The history of the black American and race relations from Reconstruction to the present stressing the Du Bois-Washington conflict, rise of the ghetto, twentieth century protest, civil rights, and nationalist movements.
Prerequisite: Permission of the instructor. *Three credit hours.*
-
- 399
THE UNITED STATES
1828-1860
MR. FONER
- Jacksonianism, the rise of the Whig Party, the plantation system, the institution of slavery, abolitionism, Manifest Destiny, and the decade of the 1850's. Social and intellectual developments will be examined together with political and economic issues. Changing interpretations of historians will also receive attention. *Three credit hours.*
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- †[414]
SEMINAR IN
JAPANESE HISTORY
- Special topics in Japanese history.
Open by permission. *Three credit hours.*
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- 416
SEMINAR IN AMERICAN
HISTORY
MR. BRIDGMAN
- Selected topics in American history with emphasis on the twentieth century. *Three credit hours.*
-
- 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. *Three credit hours.*

<p>432 SEMINAR ON AFRO-AMERICAN HISTORY MR. FONER</p>	<p>Group discussion and individual reports based on research on selected topics in Afro-American History. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>†[433] SEMINAR IN ENGLISH HISTORY</p>	<p>Reading and research on various topics in English history, with special attention devoted to political history in the nineteenth or twentieth centuries. Open by permission. <i>Three credit hours.</i></p>
<p>491, 492 TOPICS IN HISTORY STAFF</p>	<p>A study of history through special topics. <i>Prerequisite:</i> History major and special permission of the department chairman. <i>Three credit hours.</i></p>

Italian

OFFERED BY THE DEPARTMENT OF
MODERN FOREIGN LANGUAGES

<p>101, 102 ELEMENTARY ITALIAN MR. PÉREZ</p>	<p>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. Class meets daily Monday through Friday. <i>Prerequisite:</i> Completion of 103, 104 (or equivalent) in another language or permission of the instructor. <i>Four credit hours.</i></p>
<p>†[211] DANTE</p>	<p>Study of <i>The Divine Comedy</i> and of <i>The New Life</i> in English translation. No knowledge of Italian is required. <i>Prerequisite:</i> Sophomore standing at least and completion of a semester course in literature at the college level. <i>Three credit hours.</i></p>
<p>†[212] ITALIAN LITERATURE OF THE RENAISSANCE</p>	<p>Readings from the following works of Italian Renaissance literature in translation: <i>The Decameron</i> of Boccaccio; the poetry of Petrarch; the <i>Orlando furioso</i> of Ariosto; <i>The Courtier</i> of Castiglione; and <i>Jerusalem Delivered</i> of Tasso. No knowledge of Italian required.</p>

Prerequisite: Sophomore standing at least and completion of a semester course in literature at the college level. *Three credit hours.*

Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102
ELEMENTARY JAPANESE
MRS. KERKHAM

Introduction to the modern language, with practice in reading, conversation, and elementary composition. Use of taped materials in the language laboratory is a regular part of the class work. Class meets daily Monday through Friday.

Prerequisite: Permission of the instructor. *Four credit hours.*

†[103, 104]
INTERMEDIATE JAPANESE

Continued practice in the oral-aural skills; emphasis on reading and writing modern prose. This and the review of grammar are supplemented by language laboratory and language tables. Class meets daily Monday through Friday.

Prerequisite: Japanese 101, 102 or equivalent. *Four credit hours.*

111
INTRODUCTION TO
JAPANESE CULTURE
MRS. KERKHAM

An introduction to Japanese culture through critical reading (in translation) of selected literary works of a given period. No knowledge of Japanese required.

Prerequisite: Enrollment in Center for Coordinated Studies or permission of instructor. *Three credit hours.*

[241, 242]
ADVANCED JAPANESE

Third year level of language work with concentration on readings from newspapers, magazines, and modern prose.

Prerequisite: Japanese 103, 104. *Three credit hours.*

331, 332
JAPANESE LITERATURE
IN TRANSLATION
MRS. KERKHAM

Representative works of Japanese literature. First semester: from the primitive period to the end of the sixteenth century; second semester: from 1600 to the present. *Three credit hours.*

Latin

IN THE DEPARTMENT OF CLASSICS

115
INTRODUCTORY LATIN
MR. HOWARD

Intensive elementary Latin. This course prepares students for Latin 122. *Four credit hours.*

121, 122
INTERMEDIATE LATIN
MR. HOWARD

First semester: one play of Terence. Second semester: Catullus. *Prerequisite:* At least two years of high school Latin. Latin 115 or 121 prerequisite for 122. *Three credit hours.*

131
INTRODUCTION TO LATIN
LITERATURE
MRS. KOONCE

Plautus. *Three credit hours.*

351
LATIN LITERATURE
MR. HOWARD

Horace: *Odes* and *Ars Poetica*. *Three credit hours.*

352
LATIN LITERATURE
INSTRUCTOR

Virgil: *Aeneid* 7-12. *Three credit hours.*

411, 412
INDEPENDENT READING
IN LATIN
STAFF

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

Mathematics

113d LINEAR ALGEBRA STAFF	Basic concepts and techniques of higher algebra which will be useful to non-majors as well as majors in mathematics. Systems of equations and matrices are used as vehicles for this study. Offered each semester. <i>Three credit hours.</i>
121d CALCULUS I STAFF	Elementary differential and integral calculus. Offered each semester. <i>Three credit hours.</i>
122d CALCULUS II STAFF	Further study of differential and integral calculus with selected applications. Offered each semester. <i>Prerequisite: Calculus I. Four credit hours.</i>
212d CALCULUS III STAFF	A continuation of Calculus II. Offered each semester. <i>Prerequisite: Calculus II. Four credit hours.</i>
241, 242 ELEMENTARY STATISTICS MR. COMBELLACK	Descriptive statistics; elementary probability theory; binomial and normal distributions; elementary sampling theory; tests of hypotheses; confidence intervals; correlation and regression; analysis of variance; time series. Applications are emphasized. Not open to mathematics majors. <i>Prerequisite: Calculus I. Three credit hours.</i>
+[243, 244] FINITE MATHEMATICS	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. <i>Prerequisite: Mathematics 113d or 121d. Three credit hours.</i>
311 DIFFERENTIAL EQUATIONS MR. JUNGHANS	Solutions of elementary differential equations and an introduction to partial differential equations. <i>Prerequisite: Mathematics 212d. Three credit hours.</i>

314
TOPICS IN ANALYSIS
MR. JUNGHANS

Solutions of differential equations, including Bessel's, by series; Fourier series; the vibrating string problem; the operator Δ and the integral theorems; and finite differences.

Prerequisite: 311. *Two credit hours.*

316
THE LAPLACE
TRANSFORM
MR. JUNGHANS

Theory and applications of the Laplace transform.

Prerequisite: 311. *One credit hour.*

332
INTRODUCTORY
NUMERICAL ANALYSIS
AND PROGRAMMING
MR. JUNGHANS

Solution by numerical methods of equations and systems of equations; numerical integration; polynomial approximation; matrix inversion; error analysis. A time-sharing computer system will be used to solve problems.

Prerequisite: Some programming experience; Mathematics 113d and 212d (either passed or taken concurrently). *Three credit hours.*

352
COMPLEX VARIABLES
MR. FUGLISTER

The arithmetic and calculus of complex numbers. An introduction to conformal mapping and the calculus of residues.

Prerequisite: Mathematics 212d. *Three credit hours.*

361, 362
HIGHER ALGEBRA
MRS. ZUKOWSKI

Vector spaces, linear transformations, and matrices, with their applications in modern abstract algebra.

Prerequisite: Mathematics 113d and 212d. *Three credit hours.*

*381, 382
MATHEMATICAL STATISTICS
MR. COMBELLACK

Random variables; special probability distributions; moment generating functions; maximum likelihood estimators; sampling distributions; regression; tests of hypotheses; confidence intervals; linear models; analysis of variance. Although applications are discussed, emphasis is on theory.

Prerequisite: Mathematics 212d. *Three credit hours.*

421, 422
ADVANCED CALCULUS
MR. SMALL

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.

Prerequisite: Mathematics 212d and senior standing or permission. *Three credit hours.*

431
INTRODUCTION TO
TOPOLOGY
MR. FUGLISTER

General topology, including such topics as elementary point set topology, mappings, and metric spaces.

Prerequisite: Mathematics 421, passed or taken concurrently. *Three credit hours.*

432
HIGHER GEOMETRY
MR. FUGLISTER

The development of euclidean and noneuclidean geometries, with emphasis on axiom systems and proofs.

Prerequisite: Mathematics 361, 362. *Three credit hours.*

491, 492
SPECIAL TOPICS
STAFF

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

Prerequisite: Special permission. *Variable two to four credit hours.*

Music

101d, 102d
BAROQUE, CLASSICAL AND
ROMANTIC MUSIC
STAFF

A survey of the art of music from Bach through the romantic period with emphasis on style and historical background. Reading and listening assignments. No previous knowledge of music assumed. *Three credit hours.*

†[113]
CHANSONS AND LIEDER

A detailed study of art songs, French chansons, and German lieder, with emphasis given to the songs and song cycles of Schubert, Schumann, Brahms, Mahler, Wolf, Debussy, and contemporary composers. *Three credit hours.*

-
- 115
MUSIC IN THE
MEDIEVAL ERA
MISS HEINRICH
- Music in Europe through the Romanesque and Gothic Middle Ages, the Ars Nova and Burgundian School, with introductory studies in Ethnomusicology. Analyses of such forms as Gregorian Chant, Liturgical Drama, Mass, Motet, and early secular forms. Reading knowledge of music advisable. *Three credit hours.*
-
- 116
MUSIC IN THE
RENAISSANCE ERA
MISS HEINRICH
- Renaissance Music in Italy, France, Germany, England, and Spain, with analyses of the madrigal, mass, masque, as well as keyboard, instrumental, and choral forms. Composers include Palestrina, Lassus, Byrd, Vittoria, Merulo, Gibbons, and Hassler. Reading knowledge of music advisable. *Three credit hours.*
-
- 117
TRANSCRIPTION OF
MEDIEVAL AND
RENAISSANCE
MANUSCRIPTS
MISS HEINRICH
- An introduction to the skills of manuscript transcription, with representative studies in MSS from all early schools. Slides, microfilms, original MSS, and facsimilies will be used. Reading knowledge of music required. *Three credit hours.*
-
- 121, 122
THEORY AND PRACTICE
OF MUSIC
MR. RÉ AND MRS. REUMAN
- 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. *Three credit hours.*
-
- †[211]
HARMONY
- Harmonization of given and original melodies; analysis of compositions selected from major composers.
Prerequisite: Music 121, 122. Three credit hours.
-
- †[212]
ADVANCED HARMONY
- Continuation of 211 with special emphasis on chromatic chord formations. Some keyboard harmony. *Three credit hours.*
-
- 215
COUNTERPOINT
MR. RÉ
- A study of the principles of the sixteenth, seventeenth, and eighteenth century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. *Three credit hours.*

216
BAROQUE AND ROCOCO
 MISS HEINRICH

An analysis of music of the early Baroque composers, the operas and oratorios of George Frederic Handel, the instrumental and vocal music of Johann Sebastian Bach and the Bach family, as well as peripheral studies of "Baroque" in America. *Three credit hours.*

312
CONTEMPORARY MUSIC
 MR. RÉ

Trends in the art of music following the time of Wagner and the late romantics. Consideration of varied techniques of twentieth century composers.
Prerequisite: Permission of instructor. *Three credit hours.*

321, 322
THE VIENNESE CLASSICISTS
 MR. COMPARETTI

A survey of the Classical period with special reference, in the first semester, to the music of Haydn and Mozart; in the second semester, Beethoven and Schubert. Detailed study and analysis of significant symphonies and chamber music.
Prerequisite: 101, 102 or permission of the instructor. *Three credit hours.*

†[325, 326]
OPERA AND ORATORIO

The history and development of opera and oratorio. In the first semester representative works from Monteverdi to Mozart are studied in detail; in the second semester emphasis is on operatic and choral works of the romantic period, by Verdi, Wagner, Musorgski, and later composers.
Prerequisite: 101, 102 or permission of the instructor. *Three credit hours.*

491, 492
SPECIAL TOPICS
 STAFF

A course designed to meet the needs of students who have interest and competence in a particular area of investigation.
Prerequisite: Junior standing, at least, and permission of the department. *Three credit hours.*

APPLIED MUSIC

Private lessons in voice, piano, organ, violin, viola, violoncello, and bass viol are available at additional cost. The department encourages improvement of technical skill in practical music and will assist in securing professional instruction. No academic credit is given for private lessons.

Those interested in voice lessons are referred to Mr. Roger Nye or Mrs. Freda Gray-Masse; in string instruments to Mrs. Estelle Habenicht or Mrs. Dorothy Reuman; in piano to Miss Marion McVea and Mrs. Maria Lake; in organ to Miss Adel Henrich.

For participation in the college glee club, symphony orchestra, or band, a student may receive two credit hours each year after the freshman year provided he has successfully completed a comparable number of hours in music courses offered by the department.

Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

123
INTRODUCTION TO
PHILOSOPHY,
GENERAL PROBLEMS
MR. HUDSON AND
MR. PETERS

Studies of typical problems of Western Philosophy as introduced by some of the great thinkers. This course prepares the student to enter Philosophy 124 or the reserved section of Social Science 122 (*q.v.*). *Three credit hours.*

124
PHILOSOPHIC AND
RELIGIOUS REACTIONS
TO MODERN SCIENCE
MR. CLARK AND
STAFF

Introduction to Reactions of Philosophic and Religious Thought to Modern Science. Episodes in the challenge of science to traditional Western thought from the time of Copernicus to the present. A suitable sequel to either Philosophy 123 or Religion 121, this course is also listed, and may be credited as Religion 124. *Three credit hours.*

211
MORAL PHILOSOPHY
MR. CLARK

(a) A 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 obligations and social value. *Three credit hours.*

212
LOGIC
INSTRUCTOR

Elementary deductive and inductive logic; some attention given to problems in philosophic logic.
 Open to freshmen with permission of instructor. *Three credit hours.*

316
TYPES OF PHILOSOPHY
MR. HUDSON

A contemporary approach to speculative philosophy including a study of methods and criteria, and a comparative study of the major contemporary philosophical systems.
Prerequisite: Philosophy 112 or permission of the instructor.
Three credit hours.

[317]
PHILOSOPHY OF SCIENCE

Analytical and interpretive problems in the philosophy of science. Explanation, theory, observation, and associated concepts in the natural and social sciences will be considered. *Three credit hours.*

†[319]
ETHICS AND
GENERAL THEORY
OF VALUE

Philosophic approaches to the nature of value, especially ethical judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating to scientific findings.
Prerequisite: Philosophy 211 or permission of the instructor.
Three credit hours.

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. *Three credit hours.*

332
HISTORY OF MODERN
PHILOSOPHY
MR. REUMAN

European philosophy from Descartes to the nineteenth century with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkley, Hume, and Kant. *Three credit hours.*

333
PHILOSOPHY OF EDUCATION
MR. HUDSON

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. This course may be counted toward fulfillment of the requirements for the major in philosophy.
Three credit hours.

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- 352
AMERICAN THOUGHT
MR. HUDSON
- American philosophical thought and its implications for education from the colonial period to the present with particular attention to the American enlightenment and pragmatism.
Prerequisite: Philosophy 332 or 333 (Education 333) or permission of the instructor. *Three credit hours.*
-
- 353
CONTEMPORARY PHILOSOPHY
MR. PETERS
- Major philosophic movements since 1900 are studied as background for examining current philosophical problems in analytic philosophy and phenomenology.
Prerequisite: Two semester courses in philosophy or permission of the instructor. *Three credit hours.*
-
- 354^{d1}
HISTORY OF MEDIEVAL
PHILOSOPHY
MR. THORWALDSEN
- 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.
Prerequisite: Philosophy 331 or permission of the instructor. *Three credit hours.*
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- 355
INDIAN THOUGHT
MR. NARAVANE
- Types of Indian philosophy of the ancient period.
Prerequisite: Two previous semester courses in philosophy and/or religion; no previous Indian thought. *Three credit hours.*
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- 356
INDIAN THOUGHT
MR. NARAVANE
- Types of Indian philosophy of the modern period.
Prerequisite: Two previous semester courses in philosophy and/or religion. *Three credit hours.*
-
- *357
SYMBOLIC AND
FORMAL LOGIC
MR. PETERS
- Mathematical logic (higher order logical calculi); logical theory (axiomatization, consistency, completeness, decidability); modal logic; selected topics in philosophical logic (e.g., reference, meaning).
Prerequisite: Philosophy 212. *Three credit hours.*
-
- †[359]
NINETEENTH CENTURY
PHILOSOPHY
- Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche and Bergson. Special attention to the revolt against reason, evolution, and alienation.
Prerequisite: Philosophy 331, 332 or permission of instructor. *Three credit hours.*

372
PHILOSOPHY OF RELIGION
MR. TODRANK

The basic postulates of religion, including search for an adequate scheme of verification, analysis of the empirical evidence and the hypotheses which seem to result therefrom, and the relevance of the conclusions for daily life.

Prerequisite: Religion 121, 122 or one course in philosophy; or permission of the instructor. *Three credit hours.*

391, [392]
PHILOSOPHY
SEMINARS
STAFF

Seminars in selected areas of philosophy are presented each semester. Specific subject matter is announced each year prior to registration. Open to majors and non-majors.

Prerequisite: Permission of the instructors. *Three credit hours.*

[401, 402]
COMPREHENSIVE
COLLOQUIUM

At meetings scheduled throughout the year each student is responsible for one carefully written report on a comprehensive topic, and one written critique. Required of all senior majors in the department. *Two credit hours.*

491, 492
TOPICS IN
PHILOSOPHY
STAFF

Special topics are chosen each year to meet the needs of the students involved. Primarily for majors in the department.

Prerequisite: Permission of the department. *Variable, two to four credit hours.*

Physical Education

301, 302
THE ORGANIZATION AND
ADMINISTRATION OF
PHYSICAL EDUCATION
AND ATHLETICS
MR. WINKIN, MR. NELSON

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

Prerequisite: Permission of instructor; men only. *Three credit hours.*

[323, 324]
PRINCIPLES AND METHODS OF
PHYSICAL EDUCATION FOR
SECONDARY SCHOOLS

Policies, practices, standards and educational methods to enable students who will be teaching in secondary schools to assist with physical education and to coach girls' athletics.

Prerequisite: Permission of the instructor; women only. *Three credit hours.*

343, 344
DANCE I AND II
INSTRUCTOR

Studio composition and the history of dance prior to the twentieth century; second semester: contemporary history; twentieth century trends in the dance.

Prerequisite: Permission of the instructor. *Three credit hours.*

Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

141, 142
GENERAL PHYSICS
STAFF

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

Prerequisite: Mathematics 121d, 122d or equivalent (may be taken concurrently). *Four credit hours.*

211d
ELECTRONICS
STAFF

An independent-study laboratory course in electronic principles, circuits, and instrumentation. Open each semester to the limit of available equipment.

Prerequisite: Permission of the department. *Variable, one to four credit hours.*

213
OPTICS AND
ATOMIC SPECTRA
MR. BANCROFT

Light, and 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. Spectroscopic problems 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). *Four credit hours.*

232
MODERN PHYSICS
MR. TAFFE

An elementary introduction to the fundamentals of modern physics. The basic principles of relativity and the quantum theories of atomic and nuclear physics are studied in detail as are topics in molecular and solid state physics.

Prerequisite: Physics 142 or equivalent. *Three credit hours.*

312
**THERMODYNAMICS AND
 KINETIC THEORY**
 MR. BANCROFT

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

Prerequisite: Physics 142, and Mathematics 311 (either passed or taken concurrently). *Three credit hours.*

331
CLASSICAL MECHANICS
 MR. TAFFE

Vectorial and analytical mechanics. Extensive use is made of vector analysis and of the calculus.

Prerequisite: Physics 142, and Mathematics 311 (either passed or taken concurrently). *Three credit hours.*

372
**CONSTANTS
 LABORATORY**
 MR. BANCROFT

Measurement, in theory and technique, of important physical constants of mechanics, thermodynamics, electromagnetism, and atomic physics.

Prerequisite: Junior standing in physics or permission of the department. *Two credit hours.*

421, 422
ELECTRICITY AND MAGNETISM
 MR. BANCROFT

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.

Prerequisite: Physics 142, Mathematics 311, 314 (may be taken concurrently); or permission of the department. *Four credit hours.*

441, 442
MODERN PHYSICS
 MR. METZ

Quantum theory, atomic and nuclear structure, and selected topics in areas of contemporary interest.

Prerequisite: Physics 331, 421, 422 (421, 422 may be taken concurrently). *Three credit hours.*

491, 492
TOPICS IN 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. *Variable, two to five credit hours.*

Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*221, 222
PORTUGUESE AS A SECOND
ROMANCE LANGUAGE
MRS. DOEL

The spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials. Class meets four times each week.

Prerequisite: Successful completion of intermediate French or Spanish, or indication of equivalent proficiency by placement test. Open to freshmen, with permission of instructor. *Four credit hours.*

†[321, 322]
BRAZILIAN CIVILIZATION

The development of Brazil as seen through its literature and history. Conducted chiefly in Portuguese.

Prerequisite: Portuguese 222 or permission of instructor. *Three credit hours.*

Psychology

211d
INTRODUCTION TO
PSYCHOLOGY
MR. DESISTO

Foundations of modern experimental psychology, covering important general principles in the topics of the physiological basis of behavior, sensory processes, perception, learning motivation, emotion, and cognition. *Three credit hours.*

231d
PERSONALITY AND SOCIAL¹
PSYCHOLOGY
MR. GILLESPIE

An introduction to psychology through consideration of the structure and function of personality and its operation in the social context. *Three credit hours.*

¹NOTE: Both 211d and 231d may be taken without prerequisite. Thus a student who desires a two-semester sequence may register for either 211d1, 231d2, or 231d1, 211d2. The department reserves the right to equalize enrollments in these two possible sequences.

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- 311**
MOTIVATION
MR. DESISTO
- Detailed analysis of current research trends in motivation, their historical antecedents and theoretical implications, with a focus on topics such as drive, reinforcement, consummatory behavior (feeding, courtship and sexual behavior, aggression), imprinting, sleep and dreams, and emotions.
- Prerequisite:* Two semester courses in psychology. *Three credit hours.*
-
- 314**
DEVELOPMENTAL PSYCHOLOGY
MR. ZOHNER
- Principles of development from conception through adolescence, examined from biological, sociocultural, and psychodynamic perspectives.
- Prerequisite:* Two semester courses in psychology or permission of the instructor. *Three credit hours.*
-
- 331**
THE STUDY OF PERSONALITY
MR. LESTER
- Problems, theories and research concerned with the dynamics of behavior. Consideration of both clinical and experimental approaches, with emphasis on major systematic interpretations and current research.
- Prerequisite:* Two semester courses in psychology. *Three credit hours.*
-
- 352**
PHYSIOLOGICAL BASIS OF BEHAVIOR
MR. DESISTO
- Structure and function of the nervous system as related to behavior. Physiological basis of sensation, learning, motivation, emotion, and reflex activity.
- Prerequisite:* Two semesters of psychology and two semesters of biology. *Three credit hours.*
-
- 355**
ABNORMAL PSYCHOLOGY
MR. PEREZ
- An introduction, with special emphasis on the dynamics of the neurotic and psychotic personalities.
- Prerequisite:* Two semesters in psychology, or permission of the instructor. *Three credit hours.*
-
- 374**
PSYCHOLOGICAL TESTS AND MEASUREMENTS
MR. LESTER
- A study of the construction and application of tests for the assessment of intelligence, aptitude, achievement and personality by means of objective and projective techniques. Consideration is given to relevant statistical concepts.
- Prerequisite:* Two semester courses in psychology. *Three credit hours.*

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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: Mathematics 241, 242, two semesters in psychology, and permission of the instructor. *Three credit hours.*
-
- 392
HISTORY AND SYSTEMS
OF PSYCHOLOGY
MR. JOHNSON
- The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis.
Prerequisite: Three semester courses in psychology. *Three credit hours.*
-
- 411
ADVANCED CHILD AND
ADOLESCENT PSYCHOLOGY
MR. ZOHNER
- Historical, theoretical, and empirical aspects of the development of the individual. Special attention will be given to a critical analysis of existing research and methodology.
Prerequisite: Psychology 322 and permission of the instructor. *Three credit hours.*
-
- 453d
SOCIAL PSYCHOLOGY
MR. GILLESPIE
- Selected topics in contemporary social psychology: attitudes, socialization, culture and mental health, etc. 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 and sociology. *Three credit hours.*
-
- 473
PROBLEMS IN
HUMAN PSYCHOLOGY
MR. DE HART
- Selected issues in the areas of psychology and psychiatry: a seminar devoted to the problems and implications of current perspectives on human behavior.
Prerequisite: Psychology 355, 392 and permission. *Three credit hours.*
-
- 491, 492
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. *Three credit hours.*

Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

121, 122
INTRODUCTION TO
WESTERN RELIGION
MR. TODRANK

The Judeo-Christian tradition in historical perspective: basic beliefs, institutions, and movements characteristic of successive epochs, and their influence on western culture. 121 ends with the Dark Ages, 122 with the 19th century. Religion 124 may be taken as an alternative sequential course. *Three credit hours.*

124
PHILOSOPHIC AND
RELIGIOUS REACTIONS
TO MODERN SCIENCE
MR. CLARK AND
STAFF

This course is described under and may also be credited as Philosophy 124. See Philosophy.

†[217]
RELIGION IN AMERICA

Basic roles of Protestantism, Catholicism, Judaism and civil religion in America, examined from sociological and historical perspectives. Problems of intermarriage, conscientious objection, sectarianism, ecumenism, the underground church. *Three credit hours.*

†[218]
THE SCIENTIFIC STUDY
OF RELIGION

Introduction to methods for the study of religion. Case studies of methodologies in six areas: phenomenology, sociology, psychology, philosophy, and theology of religion. *Three credit hours.*

223, 224
BIBLICAL LITERATURE
MR. LONGSTAFF

Biblical literature in terms of its historical and cultural context, its original meaning, and its relevance to the contemporary world. The first semester deals with the Old Testament; the second, with the Apocrypha and the New Testament. *Three credit hours.*

311, 312
GREAT RELIGIONS OF THE EAST
MR. NARAVANE

The origins and chief characteristics of Hinduism, Buddhism, Taoism, Confucianism, Zoroastrianism, and Islam. *Two or three credit hours.*

-
- 316
CONTEMPORARY
WESTERN THEOLOGY
MR. TODRANK
- Current significant religious perspectives including selections from liberal, neo-orthodox, existential, secular, radical, and process theologies.
Prerequisite: Religion 121, 122. Sophomores admitted with consent of instructor. *Three credit hours.*
-
- 351
THE BOOK
OF JOB
- The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems.
Prerequisites: Religion 121 or 223. *Three credit hours.*
-
- 352
THE THEOLOGY
OF PAUL
MR. LONGSTAFF
- Paul's letters, and the controversies which prompted them, will be studied as a basis for understanding Pauline Christianity and its place in the early church.
Prerequisite: Religion 224. *Three credit hours.*
-
- 359
JESUS OF
NAZARETH
MR. LONGSTAFF
- Giving attention to method, the seminar will evaluate attempts to write a biography of Jesus and will explore as fully as possible the life and teachings of Jesus.
Prerequisites: Religion 224 and permission of the instructor. *Three credit hours.*
-
- 391
SEMINAR
MR. TODRANK
- The topic this year will be: Utopian religion; a new Adam and a new Eden; the roles of electronics, biochemistry, politics, ethics, and theology in the religion of the near future. *Three credit hours.*
-
- [491, 492]
TOPICS IN
RELIGION
- Special topics are chosen each year to meet the needs of the students involved. Primarily for majors in the department.
Prerequisite: Permission of the department. *Variable, two to four credit hours.*

Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102
ELEMENTARY RUSSIAN
MR. KEMPERS

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. Class meets daily Monday through Friday. *Four credit hours.*

103, 104
INTERMEDIATE RUSSIAN
MR. KEMPERS

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. Class meets four times a week.

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

225, 226
ADVANCED RUSSIAN
MRS. MURSIN

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. *Three credit hours.*

245, 246
READINGS OF
EXPOSITORY PROSE
MR. KEMPERS

Designed to give the student a working knowledge of Russian as used for informational purposes and distinct from the language of *belles-lettres*. Extensive readings in the social and natural sciences; intensive translation of selected passages.

Prerequisite: Russian 103, 104 or permission of the instructor. *Three credit hours.*

321, 322
INTRODUCTION TO RUSSIAN
LITERATURE
MRS. MURSIN

The complete works of some of the great Russian authors of the nineteenth century, with emphasis on the novel and theatre.

Prerequisite: Russian 225, 226, or permission of the instructor. *Three credit hours.*

491, 492
**TOPICS IN RUSSIAN
 LITERATURE**
 MRS. MURSIN

Topics, which change each semester, may cover an author, a genre, or a literary movement. Topics for 1969-70 to be announced.

Prerequisite: Permission of the instructor. *Three credit hours.*

Social Science

DIVISIONAL COURSE

121e, 122
**GREAT SOCIAL THINKERS
 AND PROBLEMS OF THE
 WESTERN WORLD**
 MR. REUMAN
 AND STAFF

First semester (and for a part of the second semester): a study of writings of a few great social thinkers from Plato through Locke and Marx. Remainder of the second semester: discussion sections will separate so that (using seminar methods) each may consider intensively a special contemporary problem for which the readings of the first semester are background. The topics considered in 1969-70 were: Imperialism and Colonialism, World Business Systems, An American Social Philosophy, Alienation, Social Change, and Black Nationalism. *Three credit hours.*

Sociology

112
**INTERACTION PROCESS
 ANALYSIS**
 MR. ROSENTHAL

The study of theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concepts, theory, and observation of the group.

Prerequisite: Permission of the instructor. *Three credit hours.*

221e, 222
PRINCIPLES OF SOCIOLOGY
 STAFF

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. *Three credit hours.*

278
**PRE-COLUMBIAN
 AMERICA**
 MR. HICKOX

A survey of the archaeology and ethnology of North and Middle America emphasizing the unique cultural traits of: Eastern Woodlands, Plains, Northwest Coast and Southwest. The rise of the high civilizations of Middle America will be given special consideration.

Prerequisite: Sociology 222 at least concurrently and permission of the instructor. *Three credit hours.*

-
- 331
CONTEMPORARY SOCIAL PROBLEMS
 MR. DOEL
- Analysis of selected problems in contemporary society. Attention given to areas such as urbanization, population, poverty, and the depletion of natural resources. Programs for the alleviation of social problems will be reviewed and evaluated. *Three credit hours.*
-
- *333
DELINQUENCY AND CRIME
 MR. GEIB
- Delinquency and crime 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.
Prerequisite: Sociology 221, 222. Three credit hours.
-
- *352
RACE AND MINORITIES
 MR. DOEL
- Major problems of race and minority groups in the modern world.
Prerequisite: Sociology 221, 222. Three credit hours.
-
- *353
URBAN SOCIOLOGY
 MR. BIRGE
- 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.
Prerequisite: Sociology 221, 222. Three credit hours.
-
- 354
COMPARATIVE SOCIAL SYSTEMS
 MR. DOEL
- A comparative study of contemporary societies, including "advanced" and "backward" countries. Western countries are compared to such eastern societies as China and India.
Prerequisite: Sociology 221, 222. Three credit hours.
-
- *361, 362
CULTURAL ANTHROPOLOGY
 MR. BIRGE
- 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. Three credit hours.
-
- 371
SOCIAL STRATIFICATION
 MR. MARKS
- Social classes of North America, as portrayed through the literature of community studies. Emphasis will center on the culture of the middle class, and on students' own experiences in the socialization process.
Prerequisite: Sociology 221, 222.

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- 373
THE FAMILY
INSTRUCTOR
- An historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture.
Prerequisite: Sociology 221, 222. *Three credit hours.*
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- †[392]
SOCIAL CHANGE
- Although an historical approach is used at times, this course is primarily theoretical. The mechanisms, functions, and the consequences of social change. Particular attention to the relevance of social change for the social order.
Prerequisite: Sociology 221, 222. *Three credit hours.*
-
- 393
COMPLEX SOCIAL ORGANIZATIONS
MR. GEIB
- Utilizing an historical perspective and sociological orientation this course will examine the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations.
Prerequisite: Sociology 221, 222.
Note: This course is offered cooperatively with Administrative Science 413. A student may not receive credit for both Sociology 393 and Administrative Science 413. *Three credit hours.*
-
- *396
COLLECTIVE BEHAVIOR
MR. BIRGE
- 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. *Three credit hours.*
-
- 401, 402
SOCIOLOGY SEMINAR
MR. BIRGE
- Major problems of sociology as a science. Much of the work is devoted to individual projects.
Prerequisite: Senior standing and permission of the instructor. *Three credit hours.*
-
- 411
NORMATIVE SOCIAL THEORY
MR. DOEL
- Normative social theory with special emphasis upon such works as Plato's *Republic*, Owen's *A New View of Society*, and Bellamy's *Looking Backward*.
Prerequisite: Sociology 221, 222. *Three credit hours.*

-
- 412
HISTORY OF SOCIOLOGICAL
THEORY
MR. MARKS
- 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.
Prerequisite: Sociology 221, 222. *Three credit hours.*
-
- †[416]
SPECIAL TOPICS
- Topics in 1970: Methods of social research.
Prerequisite: Senior standing and permission of instructor. *Three credit hours.*
-
- 491, 492
TOPICS IN
SOCIOLOGY
STAFF
- Individual topics in areas where the student has demonstrated interest and competence necessary for independent work.
Prerequisite: Permission of the department. *Three credit hours.*
-
- INTERDEPARTMENTAL
COURSE
- Psychology 453, *Social Psychology*, is also applicable toward fulfillment of the major in sociology (see *psychology* listings for description of this course). *Three credit hours.*
-

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. Class meets daily Monday through Friday. *Four credit hours.*
-
- 103, 104
INTERMEDIATE SPANISH
STAFF
- Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin American literature. Studies, and grammar review 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. *Three credit hours.*

-
- 125, 126
INTRODUCCION AL
MUNDO HISPANICO
STAFF
- The Hispanic tradition reflected in the works of major figures of Spain and Latin America. In-depth study of selected works with collateral readings. A supplementary hour of language work (Spanish 127, 128) is recommended. Conducted in Spanish.
Prerequisite: Spanish 103, 104. *Three credit hours.*
-
- 127, 128
WRITING WORKSHOP
IN SPANISH
STAFF
- Practice in writing, free composition, grammar review. Conducted chiefly in Spanish.
Prerequisite: Student must be registered concurrently in Spanish 125, 126. *One credit hour.*
-
- †[257]
THE GENERATION OF 1898
- 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 125, 126. *Three credit hours.*
-
- †[258]
SPANISH LITERATURE OF
THE TWENTIETH CENTURY
- Outstanding prose and poetic works of the contemporary period with emphasis on living authors. Conducted chiefly in Spanish.
Prerequisite: Spanish 125, 126. *Three credit hours.*
-
- 271
PROTESTA Y
VIOLENCIA
MR. PÉREZ
- An exploration and analysis of Hispanic literature of social protest and its violent manifestations. Conducted in Spanish.
Prerequisite: Spanish 125, 126. *Three credit hours.*
-
- 272
LATINOAMERICA: EL
INDIO Y EL NEGRO
MR. HOLLAND
- The portrayal of the Indian and the black in contemporary Latin American literature. Students are encouraged to enroll in Sociology 453, which in 1970-71 will deal primarily with Latin America. Conducted in Spanish.
Prerequisite: Spanish 125, 126. *Three credit hours.*
-
- †[321, 322]
HISPANIC-AMERICAN
LITERATURE
- 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 125, 126. *Three credit hours.*

*351d2
THE THEATRE OF THE GOLDEN AGE
 MR. CAUZ

The theatre 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. *Three credit hours.*

*352d1
THE NOVEL OF THE GOLDEN AGE
 MR. HOLLAND

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. *Three credit hours.*

[355]
SPANISH DRAMA AND POETRY OF THE NINETEENTH CENTURY

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. *Three credit hours.*

[356]
THE SPANISH NOVEL OF THE NINETEENTH CENTURY

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. *Three credit hours.*

411
TEACHING OF MODERN FOREIGN LANGUAGES
 MR. BIRON

Problems and methods of teaching 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: Spanish 257, 258 or Spanish 321, 322. *Three credit hours.*

411-L
LANGUAGE TEACHING STAFF

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Spanish 411.
Two credit hours.

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: Permission of instructor. *Three credit hours.*

Preparation for Graduate and Professional Schools

The director of placement and career planning advises 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 and their major advisers.

LAW AND GOVERNMENT SERVICE

The 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. 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.

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 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 affiliated in 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.

Students graduating in this program are exempt from Colby's usual requirement of residence during the senior year.

The 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, 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.

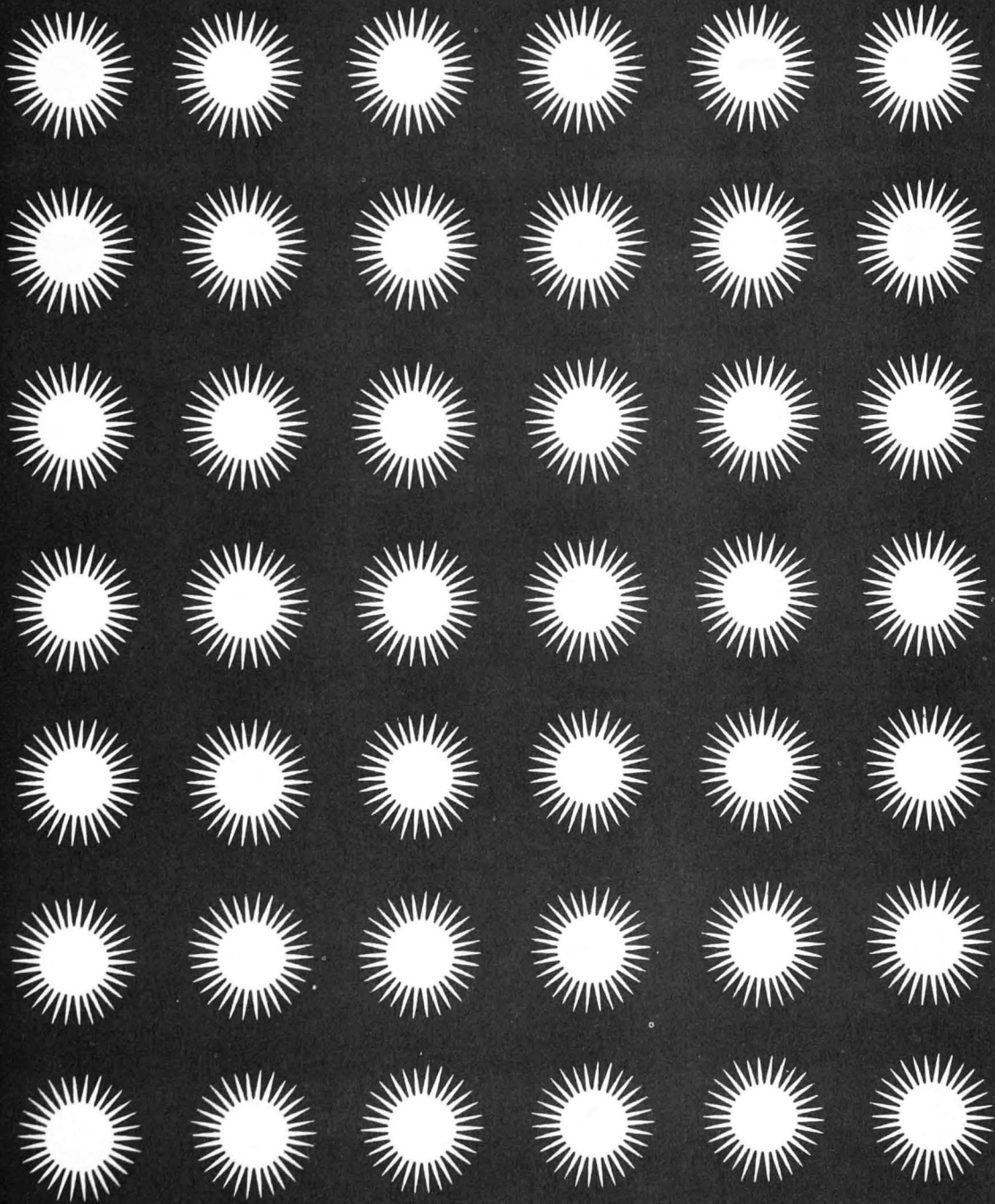
Colby's offering will also enable requirements to be met in many other states; but, because of the variation in requirements, a student who wishes to teach outside Maine should obtain information from the appropriate department of education.

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 serves as adviser to students interested in a program leading to teaching at this level.

BUSINESS

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 administrative science 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 AND APPENDICES

- 147 THE CORPORATION
- 150 FACULTY
- 163 ADMINISTRATIVE STAFF
- 167 ENROLLMENT BY STATES AND COUNTRIES
- 168 HONORS AND AWARDS
- COLLEGE PRIZES, 169
- HONORS AND DEGREES, 179
- 187 INTERVIEWERS FOR ADMISSION
- 195 INDEX
- COLLEGE CALENDAR, 1970-1971, INSIDE BACK COVER

The Corporation

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	(1974) WILSON COLLINS PIPER, LL.B.	<i>Boston, Massachusetts</i>
	(1972) FREDERICK ALBERT POTTLE, PH.D., LITT.D.	<i>New Haven, Connecticut</i>

¹ Honorary life member

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Dana Professor of French Literature
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Merrill Professor of Chemistry

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Dana Professor of Biology

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Associate Professor of Biology

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Coordinator of Government Supported Programs

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Associate Professor of English

GUSTAVE HERMAN TODRANK, PH.D.² (DePauw, Boston University)
Associate Professor of Philosophy and Religion

GUENTER WEISSBERG, LL.B., PH.D. (New York University, Columbia Law, Columbia)
Associate Professor of Government

PETER WESTERVELT, PH.D. (Harvard)
Associate Professor of Classics

JOHN WORDE WINKIN, JR., ED.D. (Duke, Columbia)
Associate Professor of Physical Education

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

LUCILLE PINETTE ZUKOWSKI (MRS.), M.A. (Colby, Syracuse)
Associate Professor of Mathematics

ASSISTANT PROFESSORS

CHARLES WALKER BASSETT, PH.D. (South Dakota, Kansas)
Assistant Professor of English

PATRICK BRANCACCIO, PH.D.³ (Brooklyn College, Ohio State, Rutgers)
Assistant Professor of English

EDWARD JOSEPH BURKE, M.S.T. (Colby, New Hampshire)
Assistant Professor of Physical Education

HARRY ROWLAND CARROLL, M.A. (New Hampshire)
Assistant Professor of Psychology; Dean of Admissions

FRANCISCO ANTONIO CAUZ, M.A. (Villanova, Middlebury)
Assistant Professor of Modern Languages

GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas)
Assistant Professor of Geology; Registrar

WALDO HERBERT COVELL, M.ED. (Maine)
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Assistant Professor of Economics

PRISCILLA ALLEN DOEL (MRS.), M.A. (Colby Junior, New York University)
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- ROBERT GEORGE DOEL, M.A. (Heidelberg, Kent State)
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Assistant Professor of Economics
- GEORGE SAUL ELISON, PH.D. (Michigan, Harvard)
Assistant Professor of History
- CHARLES ANTHONY FERGUSON, PH.D. (Oberlin, Ohio State)
Assistant Professor of Modern Languages
- LORE SCHEFTER FERGUSON (MRS.), PH.D. (Hartwick, Ohio State)
Assistant Professor of Modern Languages
- GUY THEOPHILE FILOSOFF, PH.D. (Rollins, Middlebury,
Rochester)
Assistant Professor of Modern Languages
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- HENRY ALBERT GEMERY, PH.D. (Southern Connecticut,
Harvard, Pennsylvania)
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- SUSAN MCFERREN GUNN (MRS.), M.A. (Denison, Sarah Lawrence)
*Assistant Professor of Dance in the Department of Physical
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Assistant Professor (designated Professor) of Aerospace Studies
- HOMER T. HAYSLETT, JR., M.S.^a (Bridgewater, Virginia
Polytechnic)
Assistant Professor of Mathematics
- ADEL VERNA HEINRICH, M.S.M. (Flora Stone Mather, Union
Theological)
Assistant Professor of Music
- JAN STAFFORD HOGENDORN, PH.D. (Wesleyan, London School of
Economics)
Assistant Professor of Economics
- YEAGER HUDSON, PH.D. (Millsaps, Boston University)
Assistant Professor of Philosophy
- ROBERT COOPER JACOBS, M.A. (City College of New York,
Columbia)
Assistant Professor of Government
- EARL AUSTIN JUNGHANS, M.S. (U. S. Naval Academy, Purdue)
Assistant Professor of Mathematics

- ROBERT HURD KANY, PH.D.⁵ (U. of Michigan, Penn. State)
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Assistant Professor of English
- SUSAN McILVAINE KENNEY (MRS.), PH.D. (Northwestern,
Cornell University)
Assistant Professor of English‡
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Assistant Professor of Administrative Science
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Assistant Professor of Classics
- HOWARD LEE KOONCE, PH.D. (Dartmouth, Pennsylvania)
Assistant Professor of English
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Assistant Professor of Modern Languages
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Assistant Professor of Chemistry
- EVERT MAKINEN, B.A. (Brandeis)
Assistant Professor of Government
- HARRIETT MATTHEWS, M.F.A. (Sullins Junior, Georgia)
Assistant Professor of Art
- ELLEN MARGARET McCUE, M.A. (Colby, University of
Pennsylvania)
Assistant Professor of History; Associate Dean of Students
- RICHARD JOHN MCGEE, B.S. in ED. (Maine)
Assistant Professor of Physical Education and Athletics
- CHARLES ABBOTT MEADER, M.F.A. (Dartmouth, Colorado)
Assistant Professor of Art
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Assistant Professor of English
- ROGER NATHAN METZ, PH.D. (Oberlin, Cornell)
Assistant Professor of Physics
- JOHN S. MIZNER, PH.D.² (Antioch, Pennsylvania)
Assistant Professor of English
- DON PARRY NORFORD, PH.D. (Illinois, Columbia)
Assistant Professor of English
- YUN-TONG PAN, M.A. (National Taiwan University,
Massachusetts)
Assistant Professor of Government
- FRANCISCO R. PÉREZ, M.A. (Texas Western)
Assistant Professor of Modern Languages

HAROLD RICHARD PESTANA, PH.D. (California, Iowa)
Assistant Professor of Geology

EUGENE PETERS, PH.D. (Bates, Harvard)
Assistant Professor of Philosophy

CHARLES ROBERT QUILLIN, PH.D. (Wabash, Brown)
Assistant Professor of Biology; Associate Dean of Students

JON ROBIN RUSS, PH.D. (New Hampshire, Wisconsin)
Assistant Professor of English

JOHN BOONE SIMPSON, M.ED. (Boston University)
Assistant Professor of Physical Education; Director of Summer and Special Programs

DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas, University of Connecticut)
Assistant Professor of Mathematics

WAYNE LEE SMITH, PH.D. (Hartwick, Pennsylvania State)
Assistant Professor of Chemistry

BRUCE SPIEGELBERG, M.A. (Brooklyn, California at Berkeley)
Assistant Professor of English

DAVID GEORGE STRATMAN, PH.D. (Xavier, North Carolina)
Assistant Professor of English

JOHN ROBERT SWENEY, PH.D. (Colorado College, Claremont, Wisconsin)
Assistant Professor of English

WILLIAM JOHN TAFFE, PH.D. (LeMoyne, Chicago)
Assistant Professor of Physics

ROLAND W. THORWALDSEN, M.A. (Monmouth, California at Berkeley, Church Divinity)
Assistant Professor of Philosophy and Religion; Acting Chaplain

WILLARD BREWER WALKER, PH.D.⁴ (Harvard, University of Arizona, Cornell)
Visiting Assistant Professor of Sociology†

GLENN DORIN Zohner, PH.D. (Brigham Young, University of Massachusetts)
Assistant Professor of Psychology

INSTRUCTORS

DONALD BRUCE ALLEN, M.S. (Fresno State College, Illinois)
Instructor in Geology

MARC HADLEY ARNOLD, M.A. (University of Washington, Johns Hopkins)

Instructor in English

JILL PEARL BARRY, B.S. (Colby Junior, Aroostook State)

Instructor in Physical Education

DOROTHY BIRON (MRS.), M.A.⁵ (Goucher, Middlebury)

Instructor in Modern Languages†

ROBERT JOSEPH DOAN, M.A. (West Chester State, Pennsylvania State)

Instructor in Modern Languages

HENRY ARNOLD FREEDMAN, M.A. (Massachusetts College of Art, University of Maryland)

Instructor in Art

FREDERICK JOHANN FUGLISTER, M.A. (Swarthmore, Harvard)

Instructor in Mathematics

RABBI PHILIP R. GOODMAN, M.H.L.⁵ (Boston University, Jewish Theological Seminary)

Instructor in Modern Languages‡

RICHARD LLOYD GREEN, B.S. (Boston University)

Instructor in Physical Education

STANLEY EUGENE HILINSKI, B.A. (Seton Hall) (Capt. USAF)

Instructor in Aerospace Studies

MICHAEL LLOYD HODGES, M.ED. (Maine)

Instructor in Physical Education and Athletics

JOSEPH ANTHONY HUNT, M.A. (St. Joseph's, Hawaii)

Instructor in English

HAROL ELEANOR KERKHAM (MRS.), M.A. (Pomona, Stanford)

Instructor in Modern Languages

OMAR ELLSWORTH KNOX, M.A. (U. S. Military Academy, Michigan, Bowdoin)

Instructor in Mathematics

RICHARD J. KOREJWO, B.S. (John Carroll) (Capt. USAF)

Instructor in Aerospace Studies

JOHN LAWRENCE LANDSMAN, M.B.A. (Miami, Amos Tuck)

Instructor in Administrative Science

THOMAS RICHMOND W. LONGSTAFF, B.A., B.D. (Maine, Bangor Theological)

Instructor in Philosophy and Religion‡

STEPHEN ROY MARKS, B.A. (Clark)

Instructor in Sociology

MARILYN SWEENEY MAVRINAC (MRS.), M.A. (Wellesley, Columbia University)

Instructor in History‡

TATIANA MURSIN (MRS.), M.A. (Vassar, New York University)

Instructor in Modern Languages

CARL E. NELSON, M.ED. (Boston University, Maine)

Instructor in Physical Education; Director of Health Services

MARGARET GIBBONS NUTTING (MRS.), M.A. (Syracuse University)

Instructor in Sociology‡

ELIZABETH ELLEN PESTANA (MRS.), M.S. (Wisconsin)

Instructor in English‡

DOROTHY SWAN REUMAN (MRS.), M.A. (Wooster, Wisconsin)

Instructor in Music‡

JACK ALFRED SCHOLZ, M.ED. (Springfield)

Instructor in Physical Education and Athletics

F. ALEXIS SCHULTEN, B.A. (Bowdoin)

Instructor in Physical Education and Athletics

LECTURER COR DE HART, M.D., M.S. (Amsterdam, Columbia)

Visiting Lecturer in the Department of Psychology‡

‡ Part time

¹ On leave, first semester 1969-70

² On leave, second semester 1969-70

³ ●n leave, full year 1969-70

⁴ First semester 1969-70 only

⁵ Second semester 1969

FACULTY COMMITTEES
1969-1970

(The president and the dean of the faculty are members ex officio of all committees; the first-named member of each committee is its chairman.)

- ADMINISTRATIVE** President Strider; Dean Johnson; Vice-President Williams; Deans Rosenthal and McCue; Professors Birge (70), Dudley (71), and Westervelt (72); Assistant to the President, Mr. Dyer; and Administrative Assistant to the President, Dr. Kany, Secretary to the Committee; and three students.
- ADMISSIONS** Dean Johnson, Vice-President Williams; Deans Rosenthal and McCue; Professors Cauz (70), Peters (71), and Scott (72); Dean of Admissions, Professor Carroll; Director of Financial Aid, Professor Hickox; and three students.
- AFROTC** Mr. Knox; Professors Dunlevy, Gillum, Harris, and Hogendorn; and four students.
- ARCHITECTURAL** Professor Suss; Dean Johnson; Vice-President Williams; Professors L. Ferguson, E. Kenney, Koons, Mavrillac, P. Perez, and Spiegelberg.
- ATHLETICS** Professors Machemer, Burke, Gillespie, Jacobs, Kempers, Pullen, and Winkin.
- BOOKSTORE** Professors C. Ferguson and Dudley; Mr. Landsman; and three students.
- CAMPUS NATURAL ENVIRONMENT** Professor Davis; Vice-President Williams; Professors Meader, Reid, and Witham; Mr. Allen; and Superintendent of Buildings and Grounds, Mr. Whalon.
- COMMENCEMENT** Alumni Secretary, Mr. Farr; Vice-President Williams; Vice-President Turner; Registrar, Professor Coleman; Assistant to the President, Mr. Dyer; Professors Blake, Burke, E. Comparetti, Junghans, Simpson, Winkin, and Witham; Messieurs Sanborn, Stephenson, E. Smith, Whalon, and G. Wilson; a senior man and a senior woman.

DOMESTIC STUDENT EXCHANGE Professors Reid, Jacobson, and Sutherland; Deans McCue and Rosenthal, Secretary to the Committee; Registrar, Professor Coleman; and three students.

EDUCATIONAL POLICY Professors Mayo (70), Bundy (70), Easton (70), Mizner (70), Ray (70), Gemery (71), Howard (71), and L. Zukowski (71); President Strider; and Dean Johnson. Professor Norford for Professor Mizner in second semester. Without vote: Dean Rosenthal; Administrative Assistant to the President, Dr. Kany, Secretary to the Committee; and three students.

SUBCOMMITTEE ON JANUARY PROGRAM Dean Johnson; Professors Fowles, Geib, Kueter, and Mayo.

EXAMINATIONS AND SCHEDULE Registrar, Professor Coleman; Professors Benbow, Bundy, Combellack, E. Comparetti, Knight, Mavrinac, Scott, G. Smith, Winkin; and Captain Hilinski.

FACULTY RESEARCH, TRAVEL, AND SABBATICALS Dean Johnson; Vice-President Williams; Professors Carpenter, Gillespie, and Reid.

FINANCIAL AID Vice-President Williams; Deans Rosenthal and McCue; Treasurer, Mr. Seepe; Dean of Admissions, Professor Carroll; Director of Financial Aid, Professor Hickox; and Professors Pestana (70), Brancaccio (71), Cox (71), and Thorwaldsen (72); and two students. Professor Knight for Professor Brancaccio in the second semester.

FOREIGN STUDENTS AND FOREIGN STUDY Professor Holland; Deans Rosenthal and Carroll; Director of Financial Aid, Professor Hickox; Registrar, Professor Coleman; Professors Biron, Curran, P. Doel, Easton, Elison, Pan, Schmidt, Weissberg; and Mrs. Kerkham.

FRESHMAN WEEK Earl Smith; Deans Rosenthal and Quillin; Professors M. Bither, Blake, Coleman, Makinen, McKeen, Meek, and Russ.

GRADUATE SCHOLARSHIPS Professors McKeen, Berschneider, P. Bither, Hickox, Kellenberger, Sweny, Terry, and Todrank.

GRIEVANCE Professors Berschneider, Biron, and Hudson.

HONORARY DEGREES Professors Benbow, Fowles, Gunn, D. Koonce, Matthews, Raymond, Ré, Reid, and W. Zukowski.

LIBRARY Professors Gillum, Blake, Davis, Hudson, Libbey, Norford, Peters, F. Pérez, W. Smith; Messieurs Fuglister and Hunt; and Mrs. Mursin.

NOMINATING Professors Benbow, Birge, Cauz, Macheimer, Pestana, G. Smith, and Weissberg.

PROFESSIONAL PREPARATION

College Teaching Professors Kellenberger, Bridgman, Small, and Sweney.

Engineering Professors Dudley, Junghans, and Ray.

Law and Government Service Professors Berschneider, Hogendorn, Jacobs, and Weissberg.

Medicine Professors Terry, Macheimer, Maier, and Quillin.

Secondary School Teaching Professors Jacobson, Combellack, D. Koonce, Makinen, McKeen, Meek, Schmidt; and Mr. Knox.

Theology Professors Thorwaldsen, Clark, and Todrank.

REMEMBRANCE Professors Simpson, M. Bither, A. Comparetti, and Libbey.

SENIOR SCHOLARS Professors Maier, Cary, Heinrich, MacKay, Metz, Raymond; and Mr. Landsman.

SOCIAL Miss Barry, Professors R. Doel, McGee; and Mr. Scholz.

STANDING Professors Pullen, P. Bither, and Koons; Deans Johnson, Rosenthal, and McCue; and Registrar, Professor Coleman.

These committees were superseded as of April 8, 1970, when new committee lists were circulated in accordance with governance procedures recommended by Colby's Constitutional Convention and approved by the Board of Trustees on January 31, 1970. Most of the revised committees also included student members.

Administrative Staff 1969-1970

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Robert Edward Lee Strider II, PH.D., LL.D., HH.D.,
L.H.D., D.S. in B.A., D.ED.

DEAN OF THE FACULTY

Ernest Parker Johnson, PH.D.

ADMINISTRATIVE VICE-PRESIDENT

Ralph Samuel Williams, M.B.A.

VICE-PRESIDENT FOR DEVELOPMENT

Edward Hill Turner, B.A.

TREASURER

Arthur William Seepe, M.C.S.

ADMINISTRATIVE ASSISTANT TO THE PRESIDENT

Robert Hurd Kany, PH.D.

ASSISTANT TO THE PRESIDENT

Richard Nye Dyer, B.A.

DEAN OF STUDENTS

Jonas Oettinger Rosenthal, M.A.

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Ellen Margaret McCue, M.A.
Charles Robert Quillin, PH.D.

DEAN OF ADMISSIONS

Harry Rowland Carroll, M.A.

ASSISTANTS TO THE DEAN OF ADMISSIONS

Robert S. Aisner, B.A.
Lynn Myler Kirkby, B.A.

REGISTRAR

George Leidigh Coleman II, M.A.

ASSISTANT TO THE REGISTRAR

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**DIRECTOR OF FINANCIAL AID; COORDINATOR OF
GOVERNMENT SUPPORTED PROGRAMS**

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COLLEGE EDITOR

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LIBRARIAN

Kenneth Pond Blake, Jr., M.A., M.S.

CURATOR OF RARE BOOKS AND MANUSCRIPTS

Richard Cary, PH.D.

ASSOCIATE LIBRARIAN

Florence Elizabeth Libbey, M.S.

READERS' SERVICES LIBRARIAN

Bruce Drace Bonta, M.L.S.

TECHNICAL SERVICES LIBRARIAN

Ward Eric Shaw, M.S.

CATALOG/REFERENCE LIBRARIAN

Byron Van Whitney, M.S.

CATALOGER OF SPECIAL COLLECTIONS

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Hugh J. Gourley III, B.A.

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Ober C. Vaughan

DIRECTOR OF ANNUAL GIVING PROGRAM

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Earl H. Smith, B.A.

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Irving B. Faunce, B.A.

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SUPERINTENDENT OF BUILDINGS AND GROUNDS

George Edward Whalon

DIRECTOR OF HEALTH SERVICES

Carl E. Nelson, M.E.D.

DIRECTOR OF FOOD SERVICE

Gary Wilson

DIRECTOR OF RUNNALS UNION

Eunice Beal (Mrs.)

HISTORIAN

Ernest Cummings Marriner, L.H.D.

MANAGER OF THE BOOKSTORE

Donn Byrne, B.A.

MANAGER OF SUPPLY AND MIMEOGRAPH SERVICE

Pauline Lawton O'Connell (Mrs.)

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Captain Stanley Eugene Hilinski, B.A.

Captain Richard J. Korejwo, B.S.

Technical Sergeant Donald Joseph Rich

Staff Sergeant Edward Francis Kenney

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Elva Fernald Armstrong (Mrs.)

Secretary, Office of the President

M. Jean Bird (Mrs.), B.A.

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Rachel T. Cail (Mrs.)

Secretary, Assistant to the President

Marilyn E. Canavan (Mrs.)

Secretary, Dean of Students' Office

Priscilla Carter

Secretary, Development Council

Freda Marie Charles (Mrs.)

Office Supervisor, Development Council

Margaret V. Clark (Mrs.)

Secretary, Buildings and Grounds

Anita S. Cook (Mrs.)

Secretary, Publications Office

Jean M. Cormier

Clerical Assistant, Library

Miriam Covell (Mrs.)

Secretary, Treasurer's Office

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Assistant Secretary, Admissions Office

Nancy Davison (Mrs.)

Secretary, Infirmary

Frances E. Diggs

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Information and Switchboard
- Doris L. Downing (Mrs.), B.A.
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- Virginia W. Gallant (Mrs.)
Secretary to the Director of Placement and Career Planning
- Doris F. Gardner (Mrs.)
Secretary, Art Department
- Jeanne Hammond (Mrs.), B.A.
Secretary, Registrar's Office
- Helen M. Harwood (Mrs.)
Secretary, Chaplain's Office
- Glennis F. Hetzler (Mrs.)
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- Charlotte Hinckley
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- Sylvia E. Hudson (Mrs.)
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- Joanne LaBombard (Mrs.)
Secretary, Aerospace Studies
- Mabel Lancaster
Addressograph
- Malvina Libby (Mrs.)
Information and Switchboard
- Hazel Longley (Mrs.)
Secretary, Development Council
- Dorothea E. Marchetti
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- Dorothy P. McKenney (Mrs.)
Secretary, Admissions Office
- Glenna M. Michaud (Mrs.)
Secretary, Physical Education
- Theresa Laura Morrissette (Mrs.)
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- Carolyn M. Nelson (Mrs.)
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- S. Carleen Nelson (Mrs.)
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- Barbara Nowland (Mrs.)
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- Pauline Cunningham Otis (Mrs.)
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- Susan L. Peckham
Secretary, Women's Physical Education; Student Activities Office
- Collette P. Pelkey
Assistant Secretary, Admissions Office
- Helen Picard (Mrs.)
Clerk, Treasurer's Office
- Constance Burke Pomerleau (Mrs.)
Secretary to Director of Summer and Special Programs
- Theresa K. Pomerleau (Mrs.)
Cashier, Treasurer's Office
- Alice Poirier (Mrs.)
Secretary, English; History & Government
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- Madeline B. Reid (Mrs.)
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- Elizabeth A. Reilly
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- Annette Reynolds (Mrs.)
Clerk, Bookstore
- Earla B. Robertson (Mrs.)
Secretary to the Librarian
- Mary C. Roy (Mrs.)
Secretary, Alumni Office
- Ellen F. St. Peter (Mrs.)
Clerk, Treasurer's Office
- Hilda F. Seeley (Mrs.)
Secretary, Financial Aid Office
- Susan R. Sitnik (Mrs.)
Clerical Assistant, Library
- Vernett F. Smith (Mrs.)
Secretary to the Dean of Faculty
- Zella Weyer Taylor (Mrs.)
Clerk, Treasurer's Office
- Frances Elizabeth Thayer, B.A.
Assistant to the Dean of Students
- Esther Trott (Mrs.)
Secretary, Development Council

Mary F. Wandersee (Mrs.)
Secretary, Alumni Office
Elizabeth Eleanor Warren (Mrs.)
Secretary to the Administrative Vice-President
Lillian Williams (Mrs.)
Clerk, Treasurer's Office
Barbara Williamson (Mrs.)
Mailing Room Clerk

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General Foreman
J. Norman Poulin
Sanitation Foreman
Robie F. Bickmore
Heating Foreman
Fernand J. Michaud
Outside Foreman
Roy Brackett
Electrical Foreman

MEDICAL STAFF

Clarence E. Dore, M.D.
College Physician
John F. Reynolds, M.D.
Consultant in Surgery
Carl E. Nelson, M.Ed.
Director of Health Services
Philip Swett
Assistant Director of Health Services
Priscilla Sargent, R.N.
Head Nurse in Residence

NURSES

Rose Bilodeau (Mrs.), R.N.
Elizabeth Frost (Mrs.), R.N.
Harriet Gould (Mrs.), R.N.
Jean Palmer, R.N.
Medora Savasuk (Mrs.), R.N.
Emily Webster (Mrs.), R.N.

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Richard Duncan
Manager, Dana Dining Hall
Inza T. Foster (Mrs.)
Manager, Foss Dining Hall
Duane E. Rancourt
Manager, Roberts Union Dining Hall
Dennis Watson
Assistant Manager, Roberts Union Dining Hall

RESIDENCE STAFF

Mrs. Atwood Davis
Housemother, Kappa Delta Rho
Nancy Dover
Head Resident, Mary Low
Bonita Guilford (Mrs.)
Housemother, Lambda Chi Alpha
William Kittredge
Head Resident, Pepper
Thomas R. W. Longstaff
Head Resident, Butler
Marion MacMahon (Mrs.)
Housemother, Zeta Psi
Charles R. Quillin
Head Resident, Taylor
Mrs. Earle E. Smith
Housemother, Alpha Tau Omega
Mr. and Mrs. William Taffe
Head Residents, Foss
Roland W. Thorwaldsen
Head Resident, Coburn
Marie Warren (Mrs.)
Head Resident, Dana
Harriette Webster (Mrs.)
Head Resident, Small

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATIONS OF STUDENTS' HOMES, 1969-1970

	<i>Total</i>	<i>Men</i>	<i>Women</i>		<i>Total</i>	<i>Men</i>	<i>Women</i>
ALL AREAS	<i>Grand Total</i> 1506	799	707	Washington	2	1	1
NEW ENGLAND				West Virginia	2	1	1
Connecticut	152	73	79	Wisconsin	2	1	1
Maine	237	134	103	Wyoming	1	1	0
Massachusetts	499	300	199		—	—	—
New Hampshire	61	24	37		453	209	244
Rhode Island	45	22	23				
Vermont	19	9	10				
	—	—	—	FOREIGN COUNTRIES	<i>Total</i>	<i>Men</i>	<i>Women</i>
	1013	562	451	Belgium	1	1*	0
OUTSIDE NEW ENGLAND				Canada	10	8	2**
Alabama	1	0	1	Colombia	1	0	1*
Arizona	1	0	1	England	2	1*	1*
California	12	6	6	Ethiopia	1	1	0
Colorado	1	1	0	France	3	3***	0
Delaware	5	1	4	Greece	2	1	1
District of Columbia	9	5	4	Hong Kong	1	1	0
Florida	10	6	4	Indonesia	1	0	1*
Hawaii	1	1	0	Iran	1	0	1
Illinois	13	8	5	Israel	1	1	0
Iowa	1	0	1	Italy	1	1*	0
Kansas	1	0	1	Japan	1	1	0
Kentucky	2	0	2	Jordan	1	1	0
Maryland	19	4	15	Kenya	1	1	0
Michigan	4	3	1	Lebanon	1	0	1*
Minnesota	6	6	0	Nigeria	1	1	0
Missouri	3	1	2	Paraguay	1	0	1*
Montana	1	1	0	Saudi Arabia	2	1	1*
New Jersey	92	41	51	Syria	1	1	0
New York	150	80	70	Tibet	1	1	0
North Carolina	6	3	3	Trinidad, W. I.	1	0	1
Ohio	23	11	12	Turkey	3	3	0
Oklahoma	1	0	1	Venezuela	1	0	1
Pennsylvania	56	15	41		—	—	—
Tennessee	4	2	2		40	28	12
Texas	3	1	2				
Virginia	21	9	12				

* denotes American citizen

** denotes one of total is American citizen

*** denotes two of total are American citizens

Honors and Awards

The degree of Bachelor of Arts with honors is awarded in three grades: *summa cum laude* to those who obtain a 3.75 grade point average; *magna cum laude* to those with a 3.50 grade point average; *cum laude* to those with a 3.25 grade point average.

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible the student must have at least an average of 3.25 and recommendation of the major department. The department recommends *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 society, founded in 1776, restricts its chapters to leading colleges and universities, and maintains high scholastic standards. The Beta chapter of Maine was organized at Colby in 1895.

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; 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 at a separate convocation for the Julius Seelye Bixler and Charles A. Dana scholars, when scholarships are awarded to top-ranking students in recognition of their academic achievements.

Other honors recognizing high academic standing include being named on the annual list of Senior Scholars and 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 3.20 in a minimum of twelve credit hours for upper-classmen, 3.00 in a minimum of twelve credit hours for freshmen.

College Prizes

GENERAL *Frederick F. Brewster Honor Scholarship*

Awarded in 1969 to JEFFREY ALAN PARNES '70; DOUGLAS EDWARD REINHARDT '71; DAVID WASHINGTON '71.

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 1969 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.

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

Awarded in 1969 to JOYCE MARTHA HALL '72.

Columbia Teacher's College Book Prize. Presented to a member of the junior class who has displayed a high degree of constructive intellectual interest in educational issues.

Awarded in 1969 to CHERYL ANN MORIARTY '70.

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 1969 to ROBERT ALAN RUDNICK '71.

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.

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

Awarded in 1969 to SUSAN JANET LONGHITO '72.

Adelaide True Ellery Scholarship. Awarded to a woman for outstanding religious leadership.

Awarded in 1969 to DEBORAH ELIZABETH NELSON '71.

Lelia M. Forster Prizes. 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 1969 to APRIL JOAN NELSON '72; MATTHEW S. ZWEIG '72.

Phyllis S. Fraser Scholarship. Presented by Alpha Chapter of Sigma Kappa to a Colby son or daughter.

Awarded in 1969 to CATHERINE ANN DELANO '71.

Lieutenant John Parker Holden, II, Award. For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

Awarded in 1969 to DAVID PAUL DEMERS '69.

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

Awarded in 1969 to DAVID JOSEPH NOONAN '69.

Kim Miller Scholarship and Trophy. Given by the alumni and active members chapter of Lambda Chi Alpha to an outstanding

junior man who exemplifies the qualities of friendship, individualism, and leadership.

Awarded in 1969 to PETER CLARK BOGLE '70.

George T. Nickerson Award. Presented by the Interfraternity Council to the fraternity which fosters to the greatest extent student, faculty, and administrative relations.

Awarded in 1969 to LAMBDA CHI ALPHA.

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

Awarded in 1969 to ELIZABETH JORDAN SHERER '72.

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.

Not awarded in 1969.

Philip W. Tirabassi Memorial Award. A book awarded 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 1969 to FRANK O. O. APANTAKU '70.

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

Awarded in 1969 to CHRISTINE MARIE CELATA '70.

Scott Paper Foundation Award for Leadership. Awarded to a sophomore of the men's division who has demonstrated outstanding scholarship and leadership and participation in extracurricular activities.

Awarded in 1969 to PHILIP SAUL SINGER '71.

Waterville Area Colby Alumni Association Award. Presented for scholastic and personal achievement to a senior from the Waterville area.

Awarded in 1969 to TERRY ANN SMILEY '69.

ADMINISTRATIVE SCIENCE *Ernest L. Parsons Prize.*

Awarded in 1969 to JAMES MEADE KLINGENSMITH '69 and THOMAS DONALD MCBRIERTY '69.

James J. Harris Prize.

Awarded in 1969 to MARTIN THOMAS KOLONEL '70 and ROBERT MARK KAUFMAN '70.

ART AND ARCHITECTURE *George Adams Dietrich Award.*
Awarded in 1969 to ROBERT GENE FU WOO '70.

Charles Hovey Pepper Prize.

Awarded in 1969 to FREDERICK JAMES SKINNER '69.

The Dodge Prizes.

Awarded in 1969 to:

1st Prize: ALAN KIMBALL '71 and PETER KEYES '71.

2nd Prize: SARAH HALL '71 and PAULA DROZDAL '71.

Architectural Model Prizes.

Awarded in 1969 to:

1st Prize: BRIAN HARVILLE '69 and DWIGHT RIGGS '69.

2nd Prize: WILLIAM REVETT '69.

3rd Prize: KERRY N. HAYES '69 and JEANNE BRYANT '69.

CLASSICS *John B. Foster Prize.*

Not awarded in 1969.

ECONOMICS *Departmental Prize in Economics.*

Awarded in 1969 to LAWRENCE JOSEPH GREENBERG.

ENGLISH *George Adams Dietrich Award in Literature.*

Not awarded in 1969.

Mary Low Carver Prizes for Poetry.

Awarded in 1969 to:

Women: *1st:* NADINE JOYCE MACDONALD '70.

2nd: NADINE JOYCE MACDONALD '70.

Men: *1st:* JAMES LAWRENCE MARTIN '70.

2nd: EDWARD FRENCH WILLIAMS '69.

Solomon Gallert English Prizes.

Not awarded in 1969.

Elmira Nelson Jones Essay Prize.

Not awarded in 1969.

HISTORY AND GOVERNMENT *Paul A. Fullam History Prize.*
Awarded in 1969 to DEXTER PHILIP ARNOLD.

Edward Lampert History Prize.

Not awarded in 1969.

William J. Wilkinson History Prize.

Awarded in 1969 to PETER CLARK BOGLE and DEBORAH ANN FITTON.

The F. Harold Dubord Prize in Political Science.

Awarded in 1969 to VICKI DIANE CARTER '69 and ERIC JAMES SIEGELTUCH '69.

MODERN LANGUAGES *French Consulate Book Prizes.*

Awarded in 1969 to DORIS LOYD DOWNING '69; ISABELLE DE COURTIVRON '69; TERRY ANN SMILEY '69; NANCY ELLEN LEVINE '69; MARTHA CARSON MCCALL '70; ROGER GARRY COTTINGHAM '71; AUDREY GERTRUDE RUSHTON '71; FRAN FELICE KOSKI '72; JAN LOUISE WORSTER '72; DAVID MICHAEL KONJOIAN '72; CAROLYN WARD POINIER '72.

German Consulate Book Prizes.

Awarded in 1969 to INES RUELIUS BROWN '69; DAVID KROLL KATZ '69; HEIDI HARWOOD '72.

German Club Prizes.

Awarded in 1969 to RICHARD ALLAN KABACK '72 and REBECCA MARBLE TALCOTT '72.

Harrington Putnam German Prizes.

Awarded in 1969 to WILLIAM PAUL SHUMAKER '71; AUDREY GERTRUDE RUSHTON '71; DAVID MICHAEL GLASS '71; TERRY ANN SMILEY '69; CEMAL YALINPALA '71.

Delta Phi Alpha German Prize.

Not awarded in 1969.

Russian Book Prize.

Awarded in 1969 to CLAUDIA FRANCES CARUSO '71; JEAN ALICE CLARK '69; JUDITH SUE KENOYER '71; JUDITH ANN SCHWARTZ '72; JAN LOUISE WORSTER '72.

Spanish Book Prizes.

Awarded in 1969 to CRAIG BERNARD JOHNSON '70; STEVEN ALAN KANOVITZ '72; ELLEN MUZZY '72; ETHEL LEE WOODMAN '69.

Garcia Lorca Award for Spoken Spanish.

Awarded in 1969 to:

1st Prize: ETHEL LEE WOODMAN '69.

2nd Prize: SHARON DI BARTOLOMEO '71.

Japanese Embassy Book Prizes.

Awarded in 1969 to JUDITH ANN SCHWARTZ '72 and CLIFFORD ANDREW WALKER '72.

MUSIC *Colby College Band Award.*

Awarded in 1969 to DAVID LEE CHRISTENSEN '69.

Alma Morrissette Award.

Awarded in 1969 to BENJAMIN GODDARD MAGUE '69.

Glee Club Award.

Awarded in 1969 to BENJAMIN GODDARD MAGUE '69.

Symphony Orchestra Awards.

Awarded in 1969 to ELLEN SARA FLORIN '69; THOMAS GLEN MAYNARD '69; MARGARET ADAIR FRIZZELL '70.

PHILOSOPHY *Stephen C. Pepper Prize in Philosophy.*

Awarded in 1969 to ROBERT ANDREW STECKER '69.

Naravane Essay Prize.

Awarded in 1969 to ELLEN S. SASLAW '69 in the field of philosophy and theology.

DRAMATICS *Andrew Blodgett Award.* For excellence in **dramatics**, presented by Powder and Wig Society in memory of Andrew Blodgett, 1962. Awarded in 1969 to LINDA JO-ANN PATTON '69.

PUBLIC SPEAKING *Coburn Speaking Prize.*

Awarded in 1969 to:

1st Prize: NANCY PRISCILLA ANTHONY '70.

2nd Prize: ROBERT SAUL HARK '69.

3rd Prize: PORTIA GLENN IVERSON '72.

Goodwin Public Speaking Prizes.

Awarded in 1969 to:

1st Prize: (MRS.) VIRGINIA RUSSELL HANSON (special student).

2nd Prize: MARGARET ANNE O'HANIAN '72.

3rd Prize: MICHAEL JOHN STROTZ '72.

Hamlin Speaking Prizes.

Awarded in 1969 to:

1st Prize: MARGARET ANNE O'HANIAN '72.

2nd Prize: MICHAEL JOHN STROTZ '72.

3rd Prize: MICHAEL JOSEPH SZOSTAK '72.

Julius and Rachel Levine Speaking Prizes.

Awarded in 1969 to:

1st Prize: ROBERT MICHAEL KNIGHT '71.

2nd Prize: MARK NEWMAN '71.

3rd Prize: MICHAEL JOHN STROTZ '72.

Herbert Carlyle Libby Prize.

Awarded in 1969 to MARK NEWMAN '71.

Murray Debating Prizes.

Awarded in 1969 to BARRY JOHN KELLEY '71 and

J. BOLE H. STEFFEY '69.

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.

NATURAL SCIENCES *American Institute of Chemists Medal.*
Awarded in 1969 to JEAN ELLEN RYNIKER.

The Chemical Rubber Company Prize in Physics.
Not awarded in 1969.

Chi Epsilon Mu Prize in Chemistry.
Awarded in 1969 to GEORGE ALFRED PEABODY.

The Webster Chester Biology Prize.
Awarded in 1969 to INES RUELIUS BROWN '69.

Mark Lederman Prize for Study of Medicine.
Awarded in 1969 to BARRY MARK ARKIN.

Mark Lederman Scholarship in Biology.
Awarded in 1969 to WILLIAM BROOKS WARE '70.

William A. Rogers Prize in Physics.
Awarded in 1969 to CHRISTINE MARIE CELATA.

ACS Undergraduate Award in Analytic Chemistry.
Awarded in 1969 to CARL DOUGLAS BAER '70.

Departmental Prizes in Science. Awarded by each department to a sophomore, junior, and senior, for academic distinction.
Awarded in 1969 to:

Biology: GEORGE LORING HIGGINS III '69.
FRANK O. O. APANTAKU '70.

Chemistry: BARRY MARK ARKIN '69.
LAUREL ELLEN MANEY '70.
THOMAS EMANUEL GALLANT '71.

Geology: MICHAEL PETER FOOSE '69.
ALLAN KIMBALL BRADDOCK '70.
JANICE RAE OLIPHANT '71.
PATRICIA ANN GODFREY '72.

Physics: SUSAN ALICE KINGSBURY '69.
SUSAN CATHERINE COOPER '71.
JAY THAXTER PHILOON '72.

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

Not awarded in 1969.

Albion Woodbury Small Prizes in Sociology.

Awarded in 1969 to ROBERT WEEKS ANTHONY '69; WILLIAM GEOFFREY LITTLE '69; SANDRA LEE REED '69; THOMAS CURTIN WEDEKIND '69.

ATHLETICS *J. Seelye Bixler Award in Track.*

Awarded in 1969 to JOHN S. DOWLING '70.

James Brudno Award in Track.

Awarded in 1968 to SEBSIBE MAMO '70.

David W. Dobson Memorial Skiing Award.

Awarded in 1969 to PETER W. SMITH '69.

Paul F. "Ginger" Fraser Award for a non-letter man in football.

Awarded in 1968 to JOHN T. HOPKINS '71.

Robert LaFleur Memorial Basketball Award.

Awarded in 1969 to KENNETH L. JORDAN '70.

Gilbert F. Loeb's Soccer Award.

Awarded in 1968 to STUART C. GILES '69.

Ellsworth W. Millett Hockey Award.

Awarded in 1969 to JOHN M. JANES '69.

Cy Perkins Track Award.

Awarded in 1969 to RODNEY L. BRAITHWAITE '71.

Edward C. Roundy Memorial Baseball Award.

Awarded in 1969 to PETER T. EMERY '69.

Mike Ryan Track Award.

Awarded in 1969 to JAMES A. PETERSON '71.

Theodore N. Shiro Basketball Award.

Awarded in 1969 to DOUGLAS E. REINHARDT '71.

Herbert E. Wadsworth Football Award.
Awarded in 1969 to **DAVID J. NOONAN '69.**

Norman E. Walker Hockey Award.
Awarded in 1969 to **DAVID W. WILLIAMS '71.**

Norman R. White Leadership and Sportsmanship Award.
Awarded in 1969 to **WILLIAM R. REVETT '69.**

Honors and Degrees

DEGREES AWARDED AT COMMENCEMENT
SUNDAY, JUNE 1, 1969

BACHELOR OF ARTS

- Lawrence Albert Adams, *China, Me.*
 Robert Patrick Ahern, Jr., *Wells, Me.*
 Margaret Elizabeth Allan, *North Andover, Mass.*
 Bonnie Rae Allen, *Turner, Me.*
 Stephen Eugene Anderson, *Atherton, Calif.*
 Robert Weeks Anthony, *Glen Head, N. Y.*
 William N. Antonucci, *Wolfboro, N. H.*
 Barry Mark Arkin, *Malden, Mass.*
 Thomas Houston Armistead, *Corning, N. Y.*
 Dexter Philip Arnold, *Nashua, N. H.*
 Barry Lane Atwood, *Cape Elizabeth, Me.*
 Gary Merton Austin, *Mexico, Me.*
 Jonathan L. Bader, *New York, N. Y.*
 John Henry Bailey, *Hinckley, Me.*
 Betsey Jane Baker, *Foxboro, Mass.*
 Daniel Joseph Barnett, *Brookline, Mass.*
 James Alfred Barys, *Holden, Mass.*
 Kathryn Holly Batten, *Darien, Conn.*
 Raymond Edward Beard, Jr., *Medfield, Mass.*
 Barbara Frances Benn, *Short Hills, N. J.*
 Martha Lee Bennett, *Baldwinsville, N. Y.*
 Gary Henry Berke, *Hastings-on-Hudson, N. Y.*
 James Carpenter Bishop, *Falmouth Foreside, Me.*
 C. Lyndon Bixby III, *New Seabury, Mass.*
 David Walter Blair, *Barrington, R. I.*
 Steven Lealie Blumsack, *Winthrop, Mass.*
 Denise Marie Boucher, *Alexandria, Va.*
 Suzanne Scott Bouton, *Fairfield, Conn.*
 Rae Jean Braummuller, *Basking Ridge, N. J.*
 Jonathan Dutro Breul, *Fairfield, Conn.*
 Ines Ruelius Brown, *Wayne, Penn.*
 Peter Childs Brown, *Concord, Mass.*
 Giles Cunningham Browne, *Lincoln, Mass.*
 Jeanne Bryant, *Miami, Fla.*
 Jessica Burdick, *Fargo, N. D.*
 William L. Burges, *Dumont, N. J.*
 John Forest Burnham, *Williamstown, Mass.*
 Thomas Greene Burrage, *Cape Elizabeth, Me.*
 Paula Stone Calahan, *Chalfont, Penn.*
 George Malcolm Cameron, *Clinton, Conn.*
 Howard Lester Camp, *Vineland, N. J.*
 Stephen Arnold Canders, *Stamford, Conn.*
 Donald Raymond Caouette, *Saco, Me.*
 Vicki Diane Carter, *West Upton, Mass.*
 Ronald Caruso, *Rye, N. Y.*
 Dennis Arthur Casey, *West Springfield, Mass.*
 Richard Lewis Chabot, *West Newton, Mass.*
 Donald Markle Chamberlain, *Erie, Penn.*
 Jane Elizabeth Chandler, *Cumberland Center, Me.*
 David Lee Christensen, *Reading, Mass.*
 Betty Rose Ciaffone, *Sturbridge, Mass.*
 Vincent Richard Cianciolo, *Torrington, Conn.*
 Alan Marshall Clark, *Augusta, Me.*
 Donald Boylston Clark, *Carlisle, Mass.*
 Jean Alice Clark, *Whallonsburg, N. Y.*
 Mary Jane Clifford, *Skowhegan, Me.*
 Jeffrey Frederick Clunie, *Danvers, Mass.*
 Jeffrey Waterman Coady, *Canton, Mass.*
 Virginia Lee Coates, *Cincinnati, Ohio*
 Alan Samuel Coit, *Dallas, Texas*
 John Frederick Collins, *Tampa, Fla.*
 Rosemary Constable, *Unity, Me.*
 Peter David Constantineau, *N. Andover, Mass.*
 Eric Bruce Cote, *Saco, Me.*
 Martha Munder Crane, *Portland, Me.*
 Mary Louisa Cupp, *Alexandria, Va.*
 Anne Goodson Curtis, *Boulder, Colo.*
 Howard William Cutler, *Brighton, Mass.*
 Catherine Anne Cyr, *Littleton, N. H.*
 Joyce Helen Dahlgren, *Lunenburg, Mass.*
 John Alfred Davies, *Hallowell, Me.*
 Paul Bond Dealy, Jr., *Stoneham, Mass.*
 Isabelle de Courtivron, *Paris, France*
 David Paul Demers, *Sanford, Me.*
 Susan Linda Diplock, *Brunswick, Me.*
 Laura Ellen Dixon, *Brooklyn, N. Y.*
 Richard Whitmore Dow, Jr., *South Portland, Me.*
 Doris Loyd Briggs Downing, *Smithfield, Me.*
 Cheryl Marie Dubois, *Reading, Mass.*
 Virginia Michelle Dupont, *Berlin, N. H.*
 Louise Cratty Dustin, *Bangor, Me.*

- Jacqueline Boyington Dyer, *Lake Forest, Ill.*
 Katharine Baker Earnshaw, *Glendale, Mass.*
 Gregory James Ellsworth, *Lynnfield, Mass.*
 Frederick Clayton Emery, Jr., *Bangor, Me.*
 Peter Talbot Emery, *Wilmington, Mass.*
 John Stewart Estabrook, *Pelham, N. Y.*
 Donald Colton Esty, Jr., *Berwyn, Penn.*
 Jon Blanchard Eustis, *Waterville, Me.*
 Susan Jean Evans, *Needham, Mass.*
 Mary Kristina Faber, *Mountain Lakes, N. J.*
 Bryant Jerome Farnsworth, *Camden, N. Y.*
 Irving Bernard Faunce, *Waterville, Me.*
 Carol Beth Feldman, *Longmeadow, Mass.*
 Barbara Felz, *Woodbury, N. J.*
 Beverly Jean Fernald, *Farmingdale, Me.*
 Stephen Cobb Fisher, *Dedham, Mass.*
 Ellen Sara Florin, *New Hyde Park, N. Y.*
 Michael Peter Foose, *Amherst, Mass.*
 Vivian Louise Foss, *Hancock, Me.*
 Christine Louise Franchi, *Belmont, Mass.*
 Nancy Carter Frantz, *Hollis, N. H.*
 Richard Cameron Frantz, *Shavertown, Penn.*
 Lynn Fontaine Fulton, *Brownville Junction, Me.*
 Kenneth Paul Fye, *Woods Hole, Mass.*
 Joseph Gallagher, *Danvers, Mass.*
 Constance Elizabeth Gates, *Mystic, Conn.*
 Raymond Peter Gerbi, Jr., *Littleton, Mass.*
 Stuart Cary Giles, *Wilbraham, Mass.*
 Wendy Louise Gillingham, *Oxford, Penn.*
 Stephen Arthur Goodwin, *Waldoboro, Me.*
 Katherine A. Gorham, *Cape Newagen, Me.*
 Susan Kennison Gould, *Kennebunkport, Me.*
 Lee Cox Graham, *Farmington, Me.*
 Linda Isabel Gray, *Brooksville, Me.*
 Lawrence Joseph Greenberg, *Rye, N. Y.*
 Robert Gordon Greene, *Valley Stream, N. Y.*
 Richard Ira Habeshian, *Belmont, Mass.*
 Pamela Hood Harding, *Hamden, Conn.*
 Robert Saul Hark, *Brookline, Mass.*
 Jill Ann Harris, *Ontario, N. Y.*
 Denise French Harvey, *Medfield, Mass.*
 Brian Francis Harville, *Skowhegan, Me.*
 Ellen Brooks Haweeli, *Greenwich, Conn.*
 Kerry Nicin Hayes, *New York, N. Y.*
 Carol Elaine Hayward, *Brockton, Mass.*
 Warren Stuart Heller, *Milford Mass.*
 Henry Edmund Helm, *Essex, Conn.*
 Hans Henker Cardona, *Bogota, D. E., Colombia*
 Virgil Walter Hervey, *Waterville, Me.*
 George Loring Higgins III, *Bangor, Me.*
 Edward Sanderson Hoe, *Berkeley Heights, N. J.*
 Peter Alan Hoffman, *Rochester, Minn.*
 Judith Ellen Holden, *Barrington, R. I.*
 Mary Elizabeth Holden, *Hyde Park, Vt.*
 Sarah Fownes Hudson, *Pittsburgh, Penn.*
 Sandra Lee Huling, *Waterville, Me.*
 Alice Blackburn Huse, *New York, N. Y.*
 Richard Trimmer Jacques, *Waterford, Conn.*
 Miklos Jako, *Andover, Mass.*
 John Mark Janes, *Rochester, Minn.*
 Elliot Gary Jaspin, *Baldwin, N. Y.*
 Thomas Paul Jenkins, *Salem, Mass.*
 Russell Philip Johnson, Jr., *Winslow, Me.*
 Sarah Johnston, *Old Greenwich, Conn.*
 Paula Michael Joseph, *Fairfield, Me.*
 Diane Margaret Kalinowski, *Wethersfield, Conn.*
 Douglas Otto Kant, *Toronto, Canada*
 Lawrence Allan Kassman, *Ithaca, N. Y.*
 David Kroll Katz, *Beverly Hills, Calif.*
 John Stephen Kearns, *Manchester, N. H.*
 David Stanley Keene, *Reading, Mass.*
 Childs Bradford Kelly, *Pasadena, Calif.*
 Roberta Ann Kent, *Alexandria, Va.*
 Laurie Alison Killoch, *Westbury, N. Y.*
 Diane Elizabeth Kindler, *Webster, Mass.*
 Susan Alice Kingsbury, *Wellesley Hills, Mass.*
 Robert Wade Klahn, *North Easton, Mass.*
 Barbara Joan Klingerman, *Wayland, Mass.*
 Jonathan Burnett Knight, *Worcester, Mass.*
 Faye Christine Kolhonen, *Peabody, Mass.*
 Robert Wade Koons, *Waterville, Me.*
 Kristen Mary Creamer, *Annuville, Penn.*
 John Warren Kusiak, *Nashua, N. H.*
 Judith Ellen LaJeunesse, *Acton, Mass.*
 Judith Stewart Lee, *West Hartford, Conn.*
 Donald Wheelock Leith, *Worcester, Mass.*
 Alan Zakon Levin, *West Newton, Mass.*
 Nancy Ellen LeVine, *Newton, Mass.*
 John Lydon Limauro, *Lynn, Mass.*
 William Geoffrey Little, *Melrose, Mass.*

- Frederick Henry Littlefield, *Portland, Me.*
 Eric Seeger Livingstone, *Lancaster, N. H.*
 Mary Ellen Lyle, *Castine, Me.*
 Gary William Lynch, *Topsfield, Mass.*
 William Harry Lyons, *Fitchburg, Mass.*
 R. A. Gordon MacNab, *St. John's, Nfld., Can.*
 Susan Elizabeth Magdefrau, *Rockville, Conn.*
 Benjamin Goddard Mague, *Milbridge, Me.*
 Jay Irving Mann, *Dover, N. J.*
 Rosamond Bliss Manwaring, *Intervale, N. H.*
 Richard Hilbert Masser, *Pleasantville, N. Y.*
 Donna Lee Massey, *Swampscott, Mass.*
 Nancy Joan Mathers, *Doylestown, Penn.*
 Susan Marion Mathews, *Millburn, N. J.*
 Anita Eva Matson, *Haworth, N. J.*
 Gail Mattson, *Weston, Mass.*
 Kenneth Damien May, *Marlboro, Mass.*
 Thomas Glen Maynard, *East Hartford, Conn.*
 Thomas Donald McBrierty, *Georgetown, Mass.*
 John William McClain, *Bronx, N. Y.*
 Charles Thomas McGee, *Fort Fairfield, Me.*
 Thomas Gerald McGrath, *Amesbury, Mass.*
 Lynn Josette McKinley, *New York, N. Y.*
 Alice Jane McLaren, *Scarsdale, N. Y.*
 Bruce Edson McLean, *Plymouth, Mass.*
 Alan Douglas McWhirter, *East Greenwich, R. I.*
 Jean E. Melusky, *East Hartford, Conn.*
 Barton Joel Menitove, *Newton, Mass.*
 Jeanne Louise Merola, *Pelham, N. Y.*
 William Dellinger Merritt, *Rochester, N. Y.*
 Charles Edward Miller, *Hamden, Conn.*
 Fredric Singer Miller, *Pittsburgh, Penn.*
 Richard Canders Mitchell, *Portland, Me.*
 Nancy Jean Money, *Cranford, N. J.*
 Michael Edward Mooney, *Union City, N. J.*
 Patricia Moore, *Clearwater, Fla.*
 Lorraine Irene Morel, *New Hyde Park, N. Y.*
 Lucinda Delphine Murray, *Port Jervis, N. Y.*
 Joyanne Nelb, *Mishawaka, Ind.*
 Laurence Nelson, *West Newton, Mass.*
 Stephen Jay Neter, *Buffalo, N. Y.*
 Donald Scott Neumann, Jr., *Farmingdale, N. Y.*
 Valerie Jane Noble, *Guilford, Me.*
 David Joseph Noonan, *Wellesley Hills, Mass.*
 Robert Louis Oldershaw, *Holyoke, Mass.*
 Mary Elizabeth Olsen, *Rochester, Minn.*
 Ann Montgomery Osborne, *Storrs, Conn.*
 James Lithgow Osborne, *Pultneyville, N. Y.*
 Paul Walter Oste, *Wethersfield, Conn.*
 Wendy Slater Palmer, *Waltham, Mass.*
 Carol Jean Partridge, *Apopka, Fla.*
 Linda Jo-Ann Patton, *Wayland, Mass.*
 Jane Frances Petitmermet, *Darien, Conn.*
 Martha Lithgow Peverly, *Milton, Mass.*
 Peter Laurence Phillips, *Barnstable, Mass.*
 Penelope Jane Post, *Lincolnton Beach, Me.*
 Linda Pushee, *Templeton, Mass.*
 Carol Alden Putnam, *Oakland, Me.*
 Robyn Lee Ramsay, *South Portland, Me.*
 Sandra Lee Reed, *Montpelier, Vt.*
 Terrence Allen Reed, *Waterville, Me.*
 Diane Leslie Reid, *Wilton, Conn.*
 William Rogers Revett, *Wantagh, N. Y.*
 Lois Dorothy Revis, *Garden Grove, Calif.*
 Dwight Alan Riggs, *Providence, R. I.*
 Edward Spence Rogerson, *Milton, Mass.*
 Deborah Ann Rose, *Waltham, Mass.*
 Stuart Michael Rosenfeld, *Hamden, Conn.*
 Michael Meyer Rothschild, *Bangor, Me.*
 Janet Ann Rubinstein, *New Hyde Park, N. Y.*
 Robert Alan Rudnick, *New Hyde Park, N. Y.*
 Jean Ellen Ryniker, *Chappaqua, N. Y.*
 Beth Ellen Sanborn, *South Portland, Me.*
 Jeffrey Saul Sandler, *Malden, Mass.*
 Ellen S. Saslaw, *Middletown, N. J.*
 Curtis Gustave Schneider, *Manchester, N. H.*
 Thomas Buck Schulhof, *Kings Point, N. Y.*
 Catherine Marie Seymour, *Burlington, Vt.*
 Elaine Holly Shackleton, *Lewiston, Me.*
 Holly Nathalie Shaw, *Gorham, Me.*
 Peter David Shearston, *Andover, Mass.*
 Rosemary Lung-Mei Shu, *Evanston, Ill.*
 Eric James Siegeltuch, *Forest Hills, N. Y.*
 Marya Tekla Sienkiewicz, *Vassalboro, Me.*
 Moses Silverman, *Mount Vernon, N. Y.*
 Frederick James Skinner IV, *Pelham, N. Y.*
 Terry Ann Smiley, *Winslow, Me.*
 George Milford Smith, Jr., *Melrose, Mass.*
 Peter Ward Smith, *Glastonbury, Conn.*
 Vincent George Smith, *Berlin, Conn.*

Susanne Gilmore Snow, *Waterville, Me.*
 William I. Sparkes, *Lynnfield, Mass.*
 Nancy Ann Spokes, *South Burlington, Vt.*
 Phillip Townsend Stantial, *Melrose, Mass.*
 Robert Andrew Stecker, *Laurelton, N. Y.*
 Joseph Bole Hare Steffey, *Pittsburgh, Penn.*
 Joseph Allen Steiner, *New York, N. Y.*
 Craig George Stevens, *Ware, Mass.*
 Roger Everett Stiles, Jr., *Hallowell, Me.*
 Richard Hunter Stinchfield, *Guilford, Me.*
 Cheryl Barbara Stitham, *Dover-Foxcroft, Me.*
 Joel Sugerman, *Manchester, N. H.*
 William Rand Surgi, *Cumberland Center, Me.*
 Carol Irene Swann, *Richmond, Va.*
 Louise Devine Swartz, *Medford, Mass.*
 Martin Alan Swartz, *Newton, Mass.*
 Richard Frank Thayer, *Hamden, Conn.*
 Anna Elizabeth Thompson, *Washburn, Me.*
 Dorcas Ward Thompson, *Weymouth, Mass.*
 Henry Lee Thompson, *Fairfield, Ala.*
 Susan Thompson, *North Dartmouth, Mass.*
 Sharon Elizabeth Timberlake, *Portland, Me.*
 Constance Louise Tingle, *Chadds Ford, Penn.*
 Daniel Phillip Todzia, *New Britain, Conn.*
 Karen Lee True, *Kittery Point, Me.*
 Deborah Anne Tucker, *Old Saybrook, Conn.*
 Warren Marston Turner, *Yarmouth, Me.*
 Deborah Ruth Van Hoek, *Brookline, Mass.*
 Susan Wakeman, *Hingham, Mass.*
 Mary Elisabeth Walker, *Grosse Pointe, Mich.*
 Patricia Lynne Walker, *Manchester, N. H.*
 Thomas John Watson III, *Greenwich, Conn.*
 Thomas Curtin Wedekind, *Bay Village, Ohio*
 Lloyd Charles Welken, *Glen Head, N. Y.*
 Marian Janet White, *Milan, Mich.*
 Otto Paul Wielan, *East Providence, R. I.*
 Lowell Lyndon Wilkes III, *Lexington, Mass.*
 Marjorie Ann Willcox, *Wellesley Hills, Mass.*
 Edward French Williams, *Winchester, Mass.*
 Patricia A. Williams, *Bangor, Me.*
 Raymond Leonard Williams, *Clifton, Me.*
 Alden Chandler Wilson, *Auburn, Me.*
 Miriam Carol Wohlgemuth, *Westfield, N. J.*
 Daniel Scott Woloshen, *Peabody, Mass.*
 Karen Andersen Woodard, *East Boothbay, Me.*

Edward Martin Woodin, *West Concord, Mass.*
 Ethel Lee Woodman, *New London, N. H.*
 Gail Jean Wright, *Pittsfield, Me.*
 Thomas Grover Wright, *Wellesley Hills, Mass.*
 Stephen Berke Wurzel, *Newton, Mass.*
 Anne Elizabeth York, *Barrington, R. I.*

Degrees granted in October as of the Class of 1968

Harvey A. W. Collins, Jr., *Ridgewood, N. J.*
 Mark Alan Crosby, *West Acton, Mass.*
 Timothy Adams Crowell, *New York, N. Y.*
 Bernard Melvin Finkle, *Newton, Mass.*
 Leon Paul Garnett, *Brownville Junction, Me.*
 Richard Marc Goldberg, *Winthrop, Mass.*
 Bruce Warwick Logan, *Ramsey, N. J.*
 Michael Warren Metcalf, *Falmouth, Mass.*
 Robert Brassil Savage, *Georgetown, Me.*
 Michael Lung-Hua Shu, *Evanston, Ill.*
 Donna Gail Sidelinger, *Wakefield, Mass.*

As of the Class of 1968

Robert Bruce Bonner, *Hartford, Conn.*
 John Lewis Kesaris, *Augusta, Me.*
 David Worth Oelerking, *Bronxville, N. Y.*
 Walter Everett Young, Jr., *Waterville, Me.*

As of the Class of 1967

Paul Eugene Cronin, *Revere, Mass.*
 Diane Pierce Murphy, *Leominster, Mass.*

As of the Class of 1966

Peter Floyd Fellows, *Horseheads, N. Y.*

As of the Class of 1965

Rosemary Blankenship Hubbard, *Harahan, La.*

As of the Class of 1949

Mary Bauman Gates, *White Plains, N. Y.*

HONORS

Summa Cum Laude

Vicki Diane Carter
 John Frederick Collins
 Doris Loyd Briggs Downing
 Michael Peter Foose

Magna Cum Laude

Barry Mark Arkin
 Dexter Philip Arnold
 Ines Ruelius Brown
 Linda Isabel Gray
 Nancy Ellen LeVine
 Anita Eva Matson
 Jean E. Melusky
 Terry Ann Smiley
 Robert Andrew Stecker
 Raymond Leonard Williams

Cum Laude

Betsey Jane Baker
 William L. Burges
 Stephen Arnold Canders
 Jean Alice Clark
 Virginia Lee Coates
 Isabelle de Courtivron
 Ellen Sara Florin
 Vivian Louise Foss
 Christine Louise Franchi
 Lawrence Joseph Greenberg
 Denise French Harvey
 George Loring Higgins III
 Edward Sanderson Hoe
 Sarah Johnston
 David Kroll Katz
 Laurie Alison Killoch
 Kristen Mary Kreamer
 Ann Montgomery Osborne
 Penelope Jane Post
 Michael Meyer Rothschild
 Ellen S. Saslaw
 Thomas Buck Schulhof
 Moses Silverman
 Susanne Gilmore Snow
 Lowell Lyndon Wilkes III
 Alden Chandler Wilson
 Karen Andersen Woodard
 Gail Jean Wright

DISTINCTION IN THE MAJOR

Art

Anita Eva Matson
 Alden Chandler Wilson

Biology

Ines Ruelius Brown
 Alan Samuel Coit
 George Loring Higgins III
 Linda Pushee

Chemistry

Barry Mark Arkin
 Ellen Sara Florin
 Christine Louise Franchi
 Jean Ellen Ryniker

Economics

Peter Childs Brown
 Donald Boylston Clark
 Jean Alice Clark
 Linda Isabel Gray
 Lawrence Joseph Greenberg
 Lowell Lyndon Wilkes III
 Raymond Leonard Williams

English

Vivian Louise Foss
 Kristen Mary Kreamer
 Mary Ellen Lyle
 Jean E. Melusky
 Martha Lithgow Peverly
 Deborah Ann Rose
 Michael Meyer Rothschild
 Marian Janet White

French

Virginia Lee Coates
 Isabelle de Courtivron
 Doris Loyd Briggs Downing
 Denise French Harvey
 Nancy Ellen LeVine
 Terry Ann Smiley

Geology

Michael Peter Foose
 Richard Hunter Stinchfield

Government

William L. Burges
 Stephen Arnold Canders
 Vicki Diane Carter

Thomas Buck Schulhof
Eric James Siegeltuch
Moses Silverman

History

Dexter Philip Arnold

Mathematics

John Frederick Collins
Susan Elizabeth Magdefrau
Stephen Berke Wurzel

Music

Benjamin Goddard Mague

Philosophy

Thomas Paul Jenkins
Ellen S. Saslaw
Robert Andrew Stecker

Psychology

Judith Stewart Lee

Sociology

Ann Montgomery Osborne

PHI BETA KAPPA

Elected in Junior Year

Dexter Philip Arnold
Vicki Diane Carter
John Frederick Collins
Michael Peter Foose

Elected in Senior Year

Barry Mark Arkin
Ines Ruelius Brown
Stephen Arnold Canders
Jean Alice Clark
Doris Loyd Briggs Downing
Ellen Sara Florin
Linda Isabel Gray
Lawrence Joseph Greenberg
Denise French Harvey
George Loring Higgins III
Sarah Johnston

David Kroll Katz
Kristen Mary Kreamer
Nancy Ellen LeVine
Anita Eva Matson
Jean E. Melusky
Ann Montgomery Osborne
Jean Ellen Ryniker
Ellen S. Saslaw
Thomas Buck Schulhof
Terry Ann Smiley
Susanne Gilmore Snow
Robert Andrew Stecker
Lowell Lyndon Wilkes III
Raymond Leonard Williams
Karen Andersen Woodard
Gail Jean Wright

MASTER OF SCIENCE IN TEACHING

Robert Wayne Arnold, *Medina, N. Y.*
Edward Francis Barry, *Marstons Mills, Mass.*
G. William Bauer, *San Rafael, Calif.*
Donald Peter Berry, *Morrill, Me.*
Paul Ernest Bonneville, *Hinsdale, N. H.*
Seymour Cohen, *Levittown, N. Y.*
Richard L. Coon, *Toms River, N. J.*
James Bernard Corscadden, *Wellesley Hills, Mass.*
Ronald Lloyd Edgcomb, *Westbrook, Me.*
Francis C. Henrick, *Monroe, Conn.*
David Howard Hill, *Beaconsfield, Que., Can.*
Frederick Herman Kohler III, *Pittsfield, Me.*
Maryann Lassota, *Beacon Falls, Conn.*
Philip Edward Martin, *Boca Raton, Fla.*
James Howard Massey, *Parkesburg, Penn.*
Roger Duane Mays, *Pico Rivera, Calif.*
John R. Mulcare, *Bloomington, Ill.*
H. Dean Peterson, *Northport, N. Y.*
Richard M. Pratt, *Sunset, Me.*
Herbert Milton Reitz, *Wausau, Wis.*
Jay Leonard Rogoff, *Bayside, N. Y.*
Carol E. Ross, *Carmel, N. Y.*
Roland Victor Wortman, Sr., *Dexter, Me.*
Barbara A. Zaner, *Farmingville, N. Y.*

HONORARY DEGREE RECIPIENTS

Quentin Northrop Burdick

Doctor of Laws

Ira Noel Gabrielson

Doctor of Science

John Putnam Merrill

Doctor of Science

Eliot Furness Porter

Doctor of Fine Arts

Fairfield Porter

Doctor of Fine Arts

Thomas Hedley Reynolds

Doctor of Laws

Gunther Schuller

Doctor of Music

Benjamin Robert Speicher

Doctor of Science

Arthur Totten Thompson

Doctor of Science

SENIOR SCHOLARS

Barry Mark Arkin

Relative Electronegativities of the Propyl Groups

Christine Louise Franchi

Relative Donor Properties of Various Propyl Ketones in Iodine Solution Using Spectroscopic Methods

Stuart Michael Rosenfeld

An Investigation of Unusual Forms of Thiamine

Michael Meyer Rothschild

Snail Snail

Shoot Out Your Horns (a novel)

Ellen S. Saslaw

A Lecture Series on an Analytic Interpretation of Husserl's Phenomenology

Alden Chandler Wilson

Some Aspects of the Theory and Practice of Six Twentieth Century Critics of Art

Karen Andersen Woodard

The Earth In Our Bones (a collection of poems)

JULIUS SEELYE BIXLER SCHOLARS

Class of 1969

Dexter Philip Arnold

Vicki Diane Carter

John Frederick Collins

Michael Peter Foose

Class of 1970

Robert Edward French

Barbara Irene Hamaluk

Carol Lewis

Anne Virginia Peterson

Leslie Ann Seaman

Class of 1971

Susan Catherine Copper

Roger Garry Cottingham

Audrey Gertrude Rushton

Philip Saul Singer

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Barry Mark Arkin

William Leonard Burges

Dorothy Louise Crary

Vivian Louise Foss

Linda Isabel Gray

George Loring Higgins III

Miklos Jako

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Anita Eva Matson

Jean Elizabeth Melusky

Peter Rorstad Pennypacker

Penelope Jane Post

Beth Ellen Sanborn

Terry Ann Smiley

Nancy Ann Spokes

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Frank Olusegun Olatunde Apantaku
Marguerite Louise Baxter
Martha Elizabeth Belden
Judith Ann Carlisle
Christine Marie Celata
Nancy Ellen Costello
Susan Roberta Costello
Adrienne Phyllis Creanza
Sharon Mary Eschenbeck
Lorraine Ann Gill
Mary Ann Golden
Marlene Beth Goldman
Martha Carson McCall
Judith Ann McLeish
Jeffrey Alan Parness
Jane Ellen Sawyer
Karen Lee Teravainen
Maureen Ann Vaughan
Sarah Eileen Vose
William Brooks Ware

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Mary Louise Burgess
Sally Jean Cole
Margaret Macy DeLong
Kendall Peter Didsbury
Jill Fernald
Nancy Holm Gaston
John Lory Ghertner
Kathryn Patricia Hayes
Judith Sue Kenoyer
Ronald William Lupton
John Michael McCallum
Jeanne Emily Miller
Jeffrey Lee Nordstrom
Daniel Leo Ouellette
Timothy John Richardson
Arland William Russell, III
William Paul Shumaker
Sandra Jean Smith
Anne Stockton Wetherill
Cemal Yalinpala

Interviewers for Admission

ARIZONA

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 The Rev. Robert Peale '51
 3530 North 32nd Street
 Aldersgate Methodist Church

CALIFORNIA

Fountain Valley 92708
 Mr. Lloyd I. Cohen '59
 18524 Cottonwood

Fremont 94536
 Mrs. S. Baines Howard '53
 4882 Richmond Avenue

Los Altos 94022
 Mrs. Lawrence W. Carr
 (Janice Rideout '60)
 24285 Summerfield

Norco 91760
 Mrs. Roland C. McEldowney
 (Barbara Read '63)
 1630 Valley View

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 Prof. Willard Wyman '56
 Associate Dean of Students
 Stanford University

Palos Verdes Peninsula 90274
 Mr. Fenton R. Mitchell '51
 Mrs. Fenton R. Mitchell
 (Mary Leighton '51)
 31107 Marne Drive

San Francisco 94102
 Prof. Norman D. Lattin '18
 Hastings College of Law
 University of California
 198 McAllister Street

COLORADO

Colorado Springs 80909
 Miss Martha De Cou '66
 1912 Trent

Denver 80218
 Mrs. George Clymer
 (Janet Kimball '57)
 508 High Street

CONNECTICUT

Bloomfield 06002
 Mr. Clayton W. Johnson '25
 Apartment J — 14 West Lane

Bridgeport 06606
 Mr. Richard Bishop '60
 799 Huntington Tpke.
 Mrs. Kiernan J. Murphy
 (Carol MacIver '55)
 4 Hunting Street

Essex 06426
 Mr. N. Scott Brackett '61
 7 Riverview Street

Fairfield 06430
 Mr. Wilford D. Whiteley '51
 208 South Benson Road

Hartford 06105
 Miss Rosemarie Carbino '62
 57 Huntington Street

Lakeville 06039
 Mr. E. Arthur Eddy '54
 Mrs. E. Arthur Eddy
 (Barbara Guernsey '54)
 Box 36 Hotchkiss School

Mr. Arthur White '52
 Hotchkiss School

Manchester 06040

Mrs. John H. P. Holden
 (Janet Jacobs '45)
 75 Farm Drive
 Miss Paula B. McNamara '66
 40 Durkin Street

Monroe 06468
 Mr. Karl E. Decker '54
 Mrs. Karl Decker
 (Merrilyn Healy '54)
 R.F.D. #5, Elm Street

New Haven

Mr. Gary B. Miles '62
 Mrs. Gary B. Miles
 (Margaret Bone '62)
 34 Beers Street 06511
 Mr. Henry N. Silverman '61
 88 Diamond Street 06515

Simsbury 06070
 Mr. John A. T. Wilson '60
 3 Walker Drive

Southbury 06488
 Mrs. James C. Hummel
 (Jean Smith '59)
 White Oak

Waterbury 06705
 Miss Louise Leavenworth '49
 329 Circular Avenue

West Hartford

Mrs. John H. P. Holden
 (Janet Jacobs '45)
 745 Farmington Avenue
 Apt. 3-W 06119

Mr. Norman P. Lee '58
 6 Paxton Road 06107

Mr. Robert Roth '51
 Mrs. Robert Roth
 (Helen Palen '51)
 96 Van Buren Avenue 06107

Willimantic 06226

Mr. Thomas A. Callaghan '23
201 Lewiston Avenue

Wilton 06897

Mr. Robert E. Nielson '59
26 Woodchuck Lane

FLORIDA

Boca Raton 33432

Mr. William D. Hood '61
P. O. Box 974

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Mrs. William Odell
(Mary Burrison '48)
2321 SW 35th Avenue

Jacksonville 32217

Dr. Carl E. Reed, Headmaster '35
The Bolles School
7400 San Jose Boulevard

HAWAII 96814

Honolulu

Miss Pamela Taylor '62
2824 S. King St. #7

ILLINOIS

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Mr. Kenneth P. Nye '64
708 Glenwood Lane

Lake Forest 60045

Mr. Lawrence R. Pugh '56
1750 Bowling Green

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Indianapolis 46260

Mrs. Albert J. Robinson
(Marcia Peterson '60)
1550 West 72nd Street

Richmond 47374

Prof. Claude Stinneford '26
404 College Avenue

KENTUCKY

Lexington 40503

Mr. Byron Petrakis '63
1729 South Limestone Street

Louisville 40222

Mr. William P. Clark '58
Mrs. William P. Clark
(Nancy J. Harmon '58)
1610 Clearview Drive

MAINE

Bangor 04401

Mrs. Kenneth E. Danielson
(Roberta Stockwell '67)
Graystone Trailer Park
MRB 275

Mr. Roderick Farnham '31

Mrs. Roderick Farnham
(Margaret Davis '28)
M.R.C. Box 17

Mr. Chesley H. Husson, Jr. '52
35 Wiley Street

Cape Elizabeth 04107

Mr. Albert F. Carville, Jr. '63
19 Patricia Drive

Mr. Thomas Skolfield '59
Trundy Road
Shoreacres

Hallowell 04347

Mr. Larry Arber '30
8 Wilder Street

Houlton 04730

Mrs. Ralph Howard
(Eleanor B. Ross '37)
R.F.D. #2

Millinocket 04462

Mrs. Roland L. Russell
(Patricia Farnham '62)
184 Highland Avenue

Winterport 04496

Mrs. Gordon W. Bowie
(Mary Stimson '65)
Box 93

MARYLAND

Baltimore 21204

Mr. Michael D. Flynn '61
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Mrs. George C. Spiegel
(Betty Ann Royal '42)
8803 Clifford Avenue

Lanham 20801

Mrs. Peter G. Cote
(Janet Jolicoeur '66)
c/o Cole, Apartment 7
9859 Telegraph Road

Laurel 20810

Miss Judith Jones '66
13908 Briarwood Drive
Apartment 2122

Riverdale 20840

Mr. Maurice P. Ronayne '51
6289-67th Court
"Prince Georgetown"
(Mailing—P. O. Box 2546
Washington, D. C. 20013)

MASSACHUSETTS**Abington 02351**

Mr. Carl R. MacPherson '26
621 Washington Street

Bedford 01730

Mr. Benjamin R. Sears '52
31 Sweetwater Avenue

Brighton 02135

Mr. Charles R. Levin '67
2 Ayr Road

Brookline 02146

Mr. Philip Kay '67
23 Westbourne Terrace

Carlisle 01741

Mr. Malcolm Remington '57
Meadowbrook Road

Cochituate 01760

Mr. Donald D. Mordecai '60
7 Anthony Road

Concord 01742

Mr. Clifford A. Bean '51
2 Wood Street

Danvers 01923

Mr. Robert S. Lee '51
Hotwatt, Inc.
128 Maple Street

Dedham 02026

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655 Westfield Street

Dover 02030

Mr. William C. Foehl '59
Centre Street

East Bridgewater 02324

Miss Susan K. Nutter '66
82 Plymouth Street

Edgartown 02539

Mrs. Stephen E. Gentle
(Mary J. Ballantyne '62)
Box 331

Falmouth 02540

Mr. George H. Lebherz, Jr. '52
175 Main Street

Great Barrington 01230

Mr. Robert E. Brolli '59
Mrs. Robert E. Brolli
(Marcia Eck '62)
R.F.D. #3, Alford

Haverhill 01832

Miss Edith E. Emery '37
59 Chandler Street

Hingham 02045

Mr. Charles A. Pearce '49
957 Main Street

Lunenburg 01462

Mr. Andrew J. Karkos '31
83 Lancaster Avenue

Malden 02148

Mrs. Lawrence DeGeorge
(Geraldine Davies '66)
130 Avon Street

Manchester 01944

Mrs. Daniel F. Daley
(Hilda Brown '61)
49 Forest Street

Marblehead 01945

Mrs. Richard B. Canton
(Marilyn Perkins '58)
12 Gallison Avenue

Mr. David Thaxter '62

13 Sagamore Road

Newton Highlands 02161

Mr. Marvin S. Joslow '48
74 Elinor Road

Newtonville 02160

Mr. Howard L. Ferguson '31
133 Lowell Avenue

North Andover 01845

Mrs. Douglas B. Allan
(Elizabeth Swanton '33)
37 Bradstreet Road

Northampton 01060

Dr. David Morse, Jr. '52
Mrs. David Morse, Jr.
(Deborah Brush '52)
26 Washington Avenue

Northboro 01532

Mr. Brian Shacter '66
64 Cedar Hill Road

Peabody 01962

Mr. Richard A. Vose '51
2 Livingston Drive

Plymouth 02360

Mr. Andrew J. Karkos '31
Langford Road

Reading 01867

Mr. Frederick R. Boyle '51
267 Grove Street

Miss Cheryl Dubois '69

9 Tennyson Road

Roxbury 02121

Mr. Leon T. Nelson '60
26 Crawford Street
2nd Floor

South Duxbury 02374

Mr. Richard G. Lucier '60
Chestnut Street

Springfield

Mr. U. Cleal Cowing '27
369 Tremont Street 01105

Squantum 02171

Mrs. David B. Chapin
19 Bay Street

Topsfield 01983

Mrs. Richard L. Hampton
(Eugenie Hahlbohm '55)

Waltham 02154

Mr. Richard S. Fields '61
51 Jacqueline Road

Wayland 01778

Dr. Alton Lamont, Jr. '52
Mrs. Alton Lamont, Jr.
(Joan Martin '52)
7 Clubhouse Lane

Wellesley 02181

Mr. John T. King II '54
8 Edgehill Road

West Roxbury 02132

Mr. Gerald Wolper '58
11 Grove Street, Apartment 8

Worcester 01608

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LaVigne Press, Inc.
41 Jackson Street

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Mrs. Edward F. Heekin, Jr.
(Judith Miller '60)
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Detroit 48221

Mrs. Arthur Schneider
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Flint 48503

Mrs. Franklin P. Bennett
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1101 Woodside Drive

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Mr. Daniel Traister '63
Mrs. Daniel Traister
(Barbara Howard '65)
1019 Sutherland Avenue

MINNESOTA

Minnetonka 55343

Mr. John W. E. Vollmer '60
Mrs. John W. E. Vollmer
(Janice Turner '62)
3924 Avondale

Mrs. David Decker

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46 Skyline Drive

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Creve Coeur 63141

Mr. John J. Pallotta '61
Mrs. John J. Pallotta
(Barbara Hunter '59)
13042 Gallagher Road

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Lincoln 68502

Mrs. Ann M. Birky '61
2026 A Street

NEW HAMPSHIRE

Berlin 03570

Mr. Lawrence W. Dwyer '38
286 Church Street

East Rochester 03867

Mr. Ralph W. Hilton '44
53 Main Street

Hampstead 03841

Mr. Bruce MacDonald '59
Hilltop Lane

Haverhill 03765

Mr. A. Frank Stiegler '28
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Londonderry

Mrs. Richard P. Vacco
(Marjeanne Banks '62)
Gilcreast Road
(Mailing: P.O. Box 102
Derry, N. H. 03038)

Nashua 03060

Mr. Laurie L. Harris '42
R.F.D. #1

Mr. C. Wallace Lawrence '17
179 Amherst Street

Tilton 03276

Mr. Alfred J. Gengras III '59
Tilton School

NEW JERSEY

Belle Mead 08502

Mr. Anthony S. Glockler '57
Mrs. Anthony S. Glockler
(Beverly Jackson '60)
29 Whippoorwill Way
R.D. #2

Chatham 07928

Mr. R. Dennis Dionne '61
22 Inwood Road

Fort Lee 07024

Mr. David Bergquist '61
201 Cross Street
Apt. 10E

Mr. Donald F. Kellogg '32
English Department
Fort Lee High School

Jersey City 07306

Mr. George M. Cain '66
225 St. Paul's Avenue

Madison 07940

Mr. Roy V. Shorey, Jr., '54
56 Niles Avenue

Newfoundland 07435

Mr. Robert J. Gannon '61
10 Rolling Ridge Road
R.F.D. #1

New Vernon 07976

Mr. Charles R. DeBevoise '48
Youngs Road, R.F.D.

Pompton Lakes 07442

Mrs. Robert E. Otis
(Bonnie McGregor '61)
1144 Ringwood Avenue

Princeton 08540

Mrs. Brewster H. Gere, Jr.
(Anne Ruggles '66)
Fifth Entry, Pyne Hall
Princeton University

Red Bank 07701

Mrs. Harry C. Hodum
(Ruth Veit '62)
55 Center Street

Somerset 08873

Mr. Robert W. Burke '61
30 Hill Street

Westfield 07090

Mrs. Donald E. Gilbert, Jr.
(Sally Saabye '64)
715 St. Marks Avenue

NEW MEXICO

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Mrs. H. Anthony Homet
(Barbara Klein '57)
Pioneer Motel
7600 Central Avenue

NEW YORK

Albany

Mr. William M. Harriman '17
188 West Lawrence Street 12203

Dr. Curtis L. Hemenway '42
Dudley Observatory
140 South Lake Avenue 12208

Balmat 13609

Mr. C. MacDonald Grout '54
Mrs. C. MacDonald Grout
(Eleanor Edmunds '56)

Binghamton 13901

Mr. Stuart H. Rakoff '65
S.U.N.Y., Department Political
Science

Brooklyn 11210

Mr. Solomon Hartman '67
951 East 32nd Street

Buffalo 14223

Mr. Francis J. Silver '51
485 Woodland Drive

Garden City, L. I. 11535

Mr. Patterson Small '47
101 Wyatt Road

Kings Park, L. I. 11754

Mr. William C. Droll '60
595 East Northport Road

Lafayette 13084

Mrs. Howard Lawrence
(Donna Cobb '63)
R. D. #2, Lafayette Road

Manhasset, L. I. 11030

Mr. M. Colby Tibbetts '45
15 Ridge Circle

New Paltz 12561

Mrs. Barbara Grant Nnoka '43
408 South Ohioville Road

New York City

Mrs. Douglas F. Bevin
(Cynthia Gardner '58)
1130 Park Avenue 10028

Mr. Edwin Roy Eisen '54
654 Madison Avenue 10021

Mr. William B. Neil, Jr. '65
2040 Bruckner Boulevard
Bronx 10473

Miss Deborah Nutter '68
535 West 113th Street
Apartment 31 10025

Miss Marsha F. Palmer '63
415 East 80th Street 10021

Miss Helen Strauss '45
240 East 79th Street 10021

Peekskill 10566

Mrs. Timothy C. Crane
(Louise Hahlbohm '61)
Watch Hill Road

Pelham Manor 10803

Mr. Robert L. Schultz '55
Mrs. Robert L. Schultz
(Xandra McCurdy '55)
25 Garden Road

Pittsford 14534

Mr. Donald Butcher '44
67 Reitz Parkway

Port Washington 11050

Mr. Paul Marsolini '64
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Rochester 14625

Mrs. Peter C. Aydelotte
(Judith Fassett '64)
304 Wilmot Road

Mrs. Pieter Punt
(Beryl Baldwin '53)
55 Lincoln Mills Road

Rockville Centre, L. I. 11570

Mrs. David B. Pressman
(Madelyn Wechsler '53)
43 Berkshire Road

Mrs. Gerald Seidenberg
(Gloria Shine '48)
1 Forestdale Road

Scarsdale 10583

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107 Grand Boulevard

Schenectady 12304

Mrs. J. Rene Gonzales
(Coral Crosman '63)
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Schuylerville 12871

Miss Charlotte Killam '67
Ranger Road

Syosset, L. I. 11791

Dr. Anthony Arthur '54
36 Whitman Avenue

Trumansburg 14886

Prof. David S. McKeith '55
Mrs. David S. McKeith
(Shirley Coatsworth '55)
32 Strowbridge Street

West Sand Lake 12196

Mr. Kenneth Van Praag '55

Westbury, L. I. 11590

Mrs. Robert Merriman
(Nancy Weare '52)
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NORTH CAROLINA

Raleigh 27609

Mr. Ray Deltz '49
5235 Knollwood Drive

OHIO

Cincinnati

Mr. Philip C. Heywood '51
7075 Old Chapel Drive 45244

Mr. Peter S. Lowrey '53
8210 Margaret Lane 45242

Cleveland 44106

Miss Dorothy Nyman '54
2546 Kenilworth Road

Columbus 43209

Mr. Frederick W. Ziegler '52
3082 Elbern

Hudson 44236

Mr. Ormande Brown '51
85 Manor Drive

Kent 44240

Dr. Lawrence S. Kaplan '47
Assistant Dean, College of Arts &
Sciences
Kent State University

Toledo 43607

The Rev. Philip A. Shearman '50
1947 Potomac Drive

OKLAHOMA

Oklahoma City 73120
 Mrs. Warren J. Randolph
 (Leslie Wyman '57)
 2525 N. W. 117th Street

OREGON

Eugene 97405
 Miss Frances C. Gray '40
 610 Horizon Road

Corvallis 97330
 Mr. Daniel Hodges '61
 1460 N. W. 20th Street

PENNSYLVANIA

Bethlehem 18015
 Mrs. James McIntosh
 (Sally Phelan '59)
 246 Uncas Street

Blue Bell 19422
 Dr. Charles C. Leighton
 553 Beale Road

Bryn Mawr 19010
 Mr. William D. Wooldredge '61
 937 Wootton Road

Doylestown 18901
 Mr. Thomas McK. Thomas '63
 Mrs. Thomas McK. Thomas
 (Patricia Raymond '65)
 Church School Road, R.D. #2

Easton 18042
 Professor David Crocket '52
 Chemistry Department
 Lafayette College

Gladwyne 19035
 Mr. Richard B. Beal '51
 936 Merion Square Road

Media 19063
 Mr. J. Lawrence Eckel '66
 130 East 2nd Street

Middletown 17057
 Mrs. Robert A. Conover
 (Nancy Moyer '54)
 Londonderry Drive, R. D. #1

Philadelphia 19119
 Miss Audrey Bostwick '51
 6705 Springbank Lane

Pittsburgh 15216
 Mrs. Bay E. Estes, Jr.
 (Ruth E. Stubbs '34)
 812 Elm Spring Road

Radnor 19088
 Mr. Chester D. Harrington, Jr. '51
 924 Weadley Road

Roslyn 19001
 Dr. William V. Chase '62
 Mrs. William V. Chase
 (Barbara Haines '63)
 1321 Clarke Road

Sewickley 15143
 Mr. Edward A. Waller '49
 461 Maple Lane

Swarthmore 19081
 Mrs. Clifford Henricksen
 (Bonnie Zimmerman '66)
 249 Haverford Avenue

RHODE ISLAND

Cranston 02920
 Mr. Norval E. Garnett '51
 Mrs. Norval E. Garnett
 (Norma Bergquist '52)
 67 Dellwood Road

Pawtucket 02860
 Mr. John S. Baxter '58
 41 Fiume Street

Saunderstown 02874
 Mr. Courtney Davis '60
 Box 63

TENNESSEE

Knoxville 37901
 Mr. George Wales '51
 Standard Knitting Mills, Inc.

TEXAS

Dallas
 Mr. James S. Hall '50
 3928 Royal Palms Court 75234

Mr. Alden E. Wagner '44
 3812 Gillon Avenue 75207

VERMONT

Springfield 05156

Mr. David S. O'Neil '54
31 Myrtle Street

St. Johnsbury 05819

Mr. Donald M. Jacobs '50
Headmaster
St. Johnsbury Academy

Westminster Station 05159

Miss Mary Adams '58
Box 14

VIRGINIA

Arlington 22201

Mrs. David T. Scheele
(Frances Buxton '59)
3418 North Pershing Drive

Charlottesville 22903

Mr. John C. Parsons II '65
Mrs. John C. Parsons II
(Janice Wood '65)
201 B Raymond Avenue

Fairfax 22030

Mrs. Arthur W. Gatenby
(Eleanor G. Gray '57)
3133 Chichester Lane

Vienna 22180

Mrs. James T. Greenwood
(Colette Piquerez '57)
9306 Sibelius Drive

WASHINGTON

Seattle

Mr. Randall L. Holden, Jr. '65
Mrs. Randall L. Holden, Jr.
(Pamela Harris '66)
4744 11th Avenue N. E. 98105

Mrs. Donald G. Sachs
(Roberta Holt '45)
17820 4th S. W. 98166

WISCONSIN

Madison

Mrs. Russell V. Brown
(Karen Jaffe '65)
2217 Fish Hatchery Road
Apt. B 53713

Mr. Bruce Davey '65

Mrs. Bruce Davey
(Margaret Chandler '64)
410 Berwyn Court 53711

Miss Judith de Luce '68
615 Howard Place 53703

Mr. Starbuck Smith III '65
Mrs. Starbuck Smith
(Anna K. Owens '65)

1552 Simpson Street
Apt. #2 53713

MEXICO

Mexico 7, D.F.

Miss Jane P. Holden '60
DATAMEX
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Index

- About Colby*, 2
 Absence, 28, 49
 Absence from Examinations, 27
 Academic Program, 15
 Academic Standing, 27
 Acceleration, 19
 Accounting, 75
 Accreditation, 5
 Activities, 44
 Activities Fee, 36, 38
 Administrative Science, 60, 75
 Administrative Staff, 163
 Admission, 31
 Admission Deposit, 37
 Admission Interviewers, 32, 187
 Admission Procedure, 31
 Admission Schedule, 32
 Adult Education
 (See Summer and Special Programs)
 Advanced Payments, 37
 Advanced Standing, 33
 Aerospace Studies, 69, 76
 AFROTC (See Aerospace)
 Afro-American History, 115
 American Civilization, 59
 Anatomy, 80
 Anthropology, 137
 Applications, Admissions, 31
 Arboretum, 13
 Area Requirements, 18
 Art, 46, 56, 77
 Arts, Preparation for, 142
 Astronomy, 68, 80
 Athletics, 70, 127, 177
 Attendance, 49
 Auditing Courses, 26
 Automobiles, 51
 Awards, 169
 Band, 45
 Bills, 39, 40
 Biochemistry, 85
 Biology, 65, 80
 Bixler Scholars, 168, 169, 185
 Blue Key, 168
 Board, 36, 37
 Botany, 81
 Breakage Fees, 39
 Buildings, 12
 Business Administration
 (See Administrative Science)
 Business, Preparation for, 144
 Calculus, 119, 121
 Calendar, inside back cover
 Calendar of Payments, 36
 Campus, 12
 Cap and Gown, 168
 Career Planning, 2, 142
 CEEB Tests, 33
 Center for Coordinated Studies, 23
 Changes of Course, 26
 Chapel, 12, 44
 Chemistry, 68, 83
 Chemistry Breakage Fee, 39
 Choir, 44, 45
 Class Standing, 27
 Classics, 56, 86
 Classics-English Major, 56, 58
 Classics-Philosophy Major, 56, 63
 Colby Library Associates, 14
 Colby Today, 6
 College Board Tests, 33
 Combined Majors, 21, 179
 Commencement, June 1969, 179
 Committees, Faculty, 160
 Committees, Trustee, 149
 Comparative Literature, 86
 Computer Science, 87
 Concentration, 20
 Concerts, 46
 Conduct, 50
 Corporation, 147
 Courses:
 Auditing, 26
 Changes of, 26
 Dropping of, 29
 E, 28, 73
 Election, 25
 Extra, 26, 39
 Key to Numbering, 73
 Repeated, 28, 29
 Year, 28
 Courses of Study, 73
 Credit, 29, 30
 Dana Scholars, 168, 170, 185
 Dean's List, 169
 Debating, 47
 Degree Requirements, 16
 Degrees, June 1969, 179
 Dentistry, Preparation for, 142
 Departments, 56
 Deposits Required, 37, 39
 Developmental Reading, 35
 Dietary Staff, 166
 Dishonesty, 27
 Distinction in the Majors, 168, 183
 Distribution Requirements, 17
 Division of Adult Education and Extension (See Summer and Special Programs)
 Division of Aerospace Studies, 69
 Division of Physical Education and Athletics, 70
 Division of Humanities, 56
 Division of Social Sciences, 59
 Division of Natural Sciences, 64
 Divisions of Instruction, 15
 Dormitories, 12
 Dramatics, 47

- Dropping Courses, 29
 Drugs, Regulations, 51

Echo, 48
 E Courses, 28, 73
 Early Decision, 32
 Earth Science Option,
 Geology Major, 68
 East Asian Studies
 Program, 59, 60, 87
 Ecology, 82
 Economics, 61, 88
 Education, 61, 90
 Edwin Arlington Robinson
 Memorial Room, 14
 Election of Courses, 25
 Embryology, 82
 Emeriti, 150
 Employment, 42
 Endowment, 5
 Engineering, Preparation for,
 143
 English, 57, 91
 English-Classics Major, 56
 English Literature
 Requirements, 17, 57
 Enrollment, 5, 167
 Examinations, 27
 Exchange Program, 24
 Exemption by Examination, 20
 Exhibitions, 46
 Extension Courses
 (See Summer and Special
 Programs)
 Extra Courses, 26, 39
 Extracurricular Activities, 47

 Faculty, 150
 Fees, 36
 Fellows of Colby College, 148
 Film Societies, 47
 Finances, 36
 Financial Aid, 41
 Fisk University Exchange
 Program, 24

 Foreign Language Placement
 Tests, 35
 Foreign Language
 Requirements, 17
 Foreign Languages, 58
 Foreign Students, 18, 24
 Foreign Study, 23
 Fraternities, 39, 47
 French, 58, 98
 Freshman Orientation, 35
 Freshman Program, 15
 Freshman Scholarship, 41
 Friends of Art, 46

 General Fee, 36, 38
 General Information, 5
 General Regulations, 49
 Genetics, 81
 Geographical Distribution of
 Students, 167
 Geology, 67, 101
 Geology-Biology Major, 64
 Geology-Chemistry Major, 65
 Geophysical Science, 103
 German, 58, 103
 Glee Club, 45
 Government, 62, 106
 Government Service,
 Preparation for, 142
 Grades, 28
 Graduate Study, 142
 Graduation Requirements, 16
 Greek, 57, 110

 Health Certificate, for
 Admission, 34
 Health Service, 34, 38
 Histology, 82
 History, 62, 111
 History, Ancient, 77
 History of Colby College, 6
 Honesty, 27
 Honorary Degrees, 185
 Honors, 168, 182

 Honors Program in English
 Literature, 58
 Hour-Examinations, 27
 Housing, 12, 37, 38
 Humanities, 56
 Humanities Requirements, 18

 Incomplete Work, 28
 Independent Study, 22
 Infirmary, 13, 38
 Inquiries, 2
 Insurance, 38
 Interfaith Association, 44
 International Relations, 107
 Interviews for Admission, 32, 187
 Intramural Sports, 70
 Italian, 116

 James Augustine Healy
 Collection, 14
 January Program, 10, 17, 22
 Japanese, 117
 Jobs, Student, 42
 Junior Year Abroad, 23, 30

 Language, Cooperative
 Undergraduate Program
 (Princeton University), 58
 Language Placement, 35
 Language Requirement, 17
 Late Registration, 25
 Latin, 57, 118
 Law, Preparation for, 142
 Lectures, 44
 Library, 14
 Liquor, Regulations, 50
 Loans, 42

 Maintenance Staff, 166
 Major, 11, 20
 Major Requirements, 20, 56 ff.
 Marketing, 75
 Marks, 28
 Married Students, 51
 Mathematics, 68, 120
 Mathematics-Philosophy
 Major, 60

- Mathematics Placement Test, 35
 Medical Staff, 166
 Medicine, Preparation for, 143
 Meteorology, 101
 Microbiology, 82
 Mineralogy, 101
 Modern Foreign Languages, 58
 Money and Banking, 89
 Music, 45, 59, 121
 Music Associates, 46
 Musical Programs, 46

 Natural Sciences, 64
 Natural Science Requirements, 64

 Oceanography, 103
 Officers of the College, 163
 Officers of the Corporation, 147
Oracle, 48
 Orchestra, 45
 Organizations, 48
 Orientation Program, 35

 Paleontology, 103
 Parents' Confidential Statement, 41
 Payment of Bills, 25, 36, 40
 Perkins Arboretum, 13
 Phi Beta Kappa, 168, 184
 Philosophy, 63, 124
 Philosophy-Mathematics
 Major, 60
 Philosophy-Religion Major, 63
 Physical Education, 19, 70, 127
 Physics, 68, 128
 Physics-Mathematics
 Major, 65
 Physiology, 80
 Placement, 2, 142
 Placement in Foreign Languages,
 35
 Placement in Mathematics, 35
 Points, Quality, 17
 Point-Scale in Major, 20
 Political Theory, 107
 Portuguese, 130

 Princeton University
 (cooperative program), 58
 Prizes, 169
 Presidents, 9
 Professional Schools, 142
 Programs of Study, 15
 Psychology, 63, 130

 Quality Requirements, 17
 Quantity Requirements, 17
 Quizzes, 27

 Reading Period, 21
 Reading Tests, 35
 Readmission, 30
 Recognition Assembly, 168
 Refunds, 40
 Registration, 25, 37
 Regulations, 49
 Religion, 44, 63, 133
 Religious Activities, 44
 Repeated Courses, 28, 29
 Residence Requirements, 19
 Residence Staff, 166
 Robert College Exchange
 Program, 24
 Rochester, University of
 (cooperative program), 143
 Room Deposit, 37
 Room Fees, 36, 38
 Room Reservations, 38
 Russian, 59, 135
 Russian Literature
 Collection, 14

 SAT Scores, 33
 Scholarships, 41
 Scholastic Aptitude Tests, 33
 Science Requirements, 19
 Sciences, Preparation for, 142
 Secretaries, 164
 Semester Bill, 36, 39
 Semester Examinations, 27
 Senior Scholars, 22, 185
 Ski Area, 13

 Social Regulations, 49
 Social Rules, 49
 Social Science Course, 136
 Social Science Requirements, 19
 Social Sciences, 59
 Social Thinkers, 136
 Sociology, 64, 136
 Sororities, 47
 Spanish, 59, 139
 Special Students, 34
 Speech, 47, 92
 Staff, 163
 Standing, Academic, 27
 Statistics, 120
 Stratigraphy, 103
 Student Exchange, 24
 Student Government, 49
Student Handbook,
 49
 Student Organizations, 48
 Summer and Special
 Programs, 72
 Summer School, 30

 Teaching, Preparation for, 144
 Theology, Preparation for, 143
 Traffic Regulations, 51
 Transcripts, 39
 Transfer, 34
 Transferred Credits, 30
 Transfer Students'
 Requirements, 18, 30, 34
 Trustees, 147
 Tuition, 25, 36
 Tuition Deposit, 36, 37

 Veterans, 34

 Walcker Organ, 12
 Warnings, 27
 Withdrawal from College, 29, 40
 Withdrawal from Course, 29
 Work-Study Program, 42

 Year-Courses, 28, 73, 74

 Zoology, 81

College Calendar, 1970-1971

Friday, September 11	Freshman program begins
Monday, September 14	Upper-class registration
Tuesday, September 15	First classes
Saturday, October 17	Parents Weekend (classes meet)
Saturday, October 24	Homecoming Day; all classes omitted
Wednesday, November 25, 10:00 A.M. to Monday, November 30, 8:30 A.M.	Thanksgiving recess
Thursday, December 10	Last classes of first semester
Saturday, December 12 <i>through</i> Friday, December 18	Semester examinations
Saturday, December 19	First semester makeup examinations
Monday, January 4 <i>through</i> Saturday, January 30	January Program
Monday, February 8	Registration for second semester
Tuesday, February 9	First classes of second semester
Friday, March 26, 10:00 A.M. to Monday, April 5, 8:30 A.M.	Spring recess
Friday, May 7 <i>through</i> Thursday, May 20	Reading period for 300 & 400 courses
Friday, May 21	Last classes for 100 & 200 courses
Monday, May 24 <i>through</i> Wednesday, June 2	Final examinations
Sunday, June 6	Commencement

1970

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