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COLBY
COLLEGE
BULLETIN

WATERVILLE, MAINE



MAY, 1960

Annual Catalog Issue

FOR a more informal description of Colby College, including photographs, the inquirer is referred to an illustrated booklet *About Colby*.

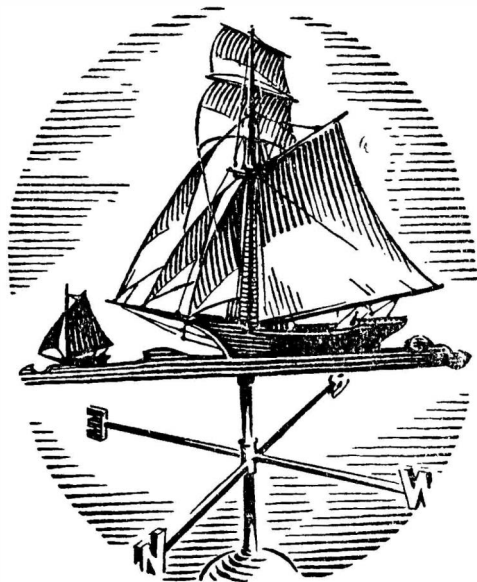
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For a list of extra-curricular organizations, and for regulations governing social functions, athletics, and other areas of student life, *The Colby Gray Book* should be consulted.

GENERAL INFORMATION

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A LIBERAL ARTS COLLEGE
ADMISSION
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HONORS AND PRIZES
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GENERAL REGULATIONS
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The sloop Hero, in which Jeremiah Chaplin sailed from Boston in 1818 to become Colby's first president.

General Information

- 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. Authorized to confer degrees by the first Legislature of Maine, June 19, 1820. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. First classes, 1818. First Commencement, 1822.
- FUNCTIONS:** Independent college of liberal arts for men and women (women first admitted, 1871); nonsectarian, founded under Baptist auspices.
- DEGREE CONFERRED:** Bachelor of Arts.
- ENROLLMENT:** 692 men, 476 women. Faculty: 114.
- ENDOWMENT:** \$7,600,000, book value.
- LIBRARY:** 185,000 books; 32,747 pamphlets.
- ACCREDITATION:** Accredited by the New England Association of Colleges and Secondary Schools. Member of the College Entrance Examination Board, the Association of American Colleges, the American Council on Education. Approved by the American Chemical Society, Association of American Medical Schools, American Association of University Women, the American Association of University Professors. The Colby Chapter of Phi Beta Kappa was founded in 1898.
- LOCATION:** Waterville, Kennebec County, Maine. Population 19,100. Industries: textiles, paper, molded paper products, shirts, plastics. Junction point on Maine Central R.R. Airport with service of Northeast Air Lines. On U.S. Highway 201, connecting with Maine Turnpike at Augusta.

A LIBERAL ARTS COLLEGE

COLBY is an undergraduate college of liberal arts. It confers only the Bachelor of Arts degree, has no graduate courses and no professional schools. Colby is dedicated to the aims of unrestricted inquiry and to the task of seeking the truth wherever it may be found. Because life is more important than a living, the Colby student is subjected to the broad fields of knowledge and inquiry which affect not only his vocational career but all phases of his life.

Colby does not, however, ignore the career motive which prompts so many students to attend college. The truth, as sought in the liberal arts, cannot be detached from what men call "practical" and "useful." It is not enough for a college to turn out graduates who know something well; they must also be able to do something well. Hence, within the framework of a liberal arts curriculum, the student may prepare for business, for teaching, for study of medicine, dentistry, law, engineering or research; but he may not narrowly so prepare. Every candidate for the Colby degree must meet the same broad requirements, demanding that he shall have taken courses in literature, foreign language, science, and the social sciences. Only in his field of concentration is he given direct opportunity to prepare for intended life work. Even here he finds the study general and basic, and not confined to detailed vocational topics.

DIVISIONS OF INSTRUCTION

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

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

METHODS OF INSTRUCTION

The recitation method, so long used in American college classrooms, is no longer the predominant means of instruction. Nor does its successor, the lecture method, in which the student is a passive listener, prevail.

Recitations and lectures are still used, but always accompanied by newer methods.

In several of the larger courses at Colby the entire class frequently meets once or twice a week for lectures, then is broken up into small groups for weekly or more frequent sessions. These group meetings are not recitations, but are free discussions of points raised by lectures or reading. In the sciences, lectures are supplemented not only by laboratory experiments in small sections, but also by weekly discussion sections. In the foreign languages, the classes (though normally not more than twenty-five in size) are still further broken into smaller weekly sections for oral instruction. In the classes in speech, in literature and in foreign languages much use is made of phonograph records, tape recorders, and other modern devices. In all departments use is made of slides, motion pictures, and other visual aids. A feature of several departments is the senior seminar.

THE STUDENT'S PROGRAM

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

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

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

Prospective students frequently ask just what subjects they will take, especially in the freshman year. It is true that certain requirements must be met, but the programs of individual freshmen differ according to their future educational plans and their tastes. For instance, if a student intends to prepare for a scientific career or for the study of medicine, he should get started on the necessary scientific requirements in the freshman year. On the other hand, the student primarily interested in a non-scientific field has a wide choice of courses to meet the modest science requirement for graduation. To present any specific pattern of courses

for freshman and sophomore years is likely to be misleading. Whenever choice must be made, the student should discuss his individual needs fully with his adviser before making out his program. Prospective science majors should note carefully the requirements for the major in which they are interested.

In order, however, that the fixed requirements may be emphasized, two general programs (one for men, another for women) are here given for the freshman and sophomore years. To understand more fully why certain items appear in these programs, the reader should consult the Graduation Requirements on page 18.

MEN

WOMEN

FRESHMAN YEAR

English Composition	English Composition
Physical Education	Physical Education
Foreign Language, unless requirement already met	Foreign Language, unless requirement already met
A course in Science or Mathematics	A course in Science or Mathematics
A course in the Social Sciences or the Humanities *	A course in the Social Sciences or the Humanities *
ROTC or another elective	Elective

SOPHOMORE YEAR

Survey of Literature	Survey of Literature
Physical Education	Physical Education
Foreign Language, unless requirement is met	Foreign Language, unless requirement is met
A course in Science or Mathematics	A course in Science or Mathematics
A course in the Social Sciences or the Humanities	A course in the Social Sciences or the Humanities
ROTC or another elective	Elective

In junior and senior years, three-fifths of a student's program may be determined by his major department; the remaining two-fifths will include electives and any graduation requirements not previously fulfilled.

SUPPLEMENTING THE CURRICULUM

LECTURES AND CONCERTS

The Averill Lecture series annually brings to Colby several outstanding scholars, musicians, and artists, who not only present public lectures, but also remain on the campus for discussions with classes and small groups of students. The Gabrielson Lectures, given weekly during the second semester, are concerned with national and international political problems. The Ingraham Lectures are devoted to philosophy and religion. Among the lecturers and artists who came to Colby in 1959-60 were: Ralph J. Bunche,

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

Arthur S. Adams, Francis T. P. Plimpton, John Mason Brown, The Modern Dance Quartet, Ross A. McFarland, Bradford Washburn, Clark R. Mollenhoff, William G. Avirett, Gwendolen M. Carter, Albert E. Parr, Theodore M. Greene, and James B. Conant (Commencement speaker).

MUSIC

Musical organizations which offer opportunities in serious vocal and instrumental music are the Colby Community Symphony Orchestra, the Glee Club, Concert and Chapel Choirs, and the Colby College Band. These are under faculty direction and carry academic credits for satisfactory participation. There are also two informal student groups which provide opportunity for those interested in lighter vocal music. These are the Colby Eight for men and the Colbyettes for women. The Walcker Organ in Lorimer Chapel, gift of Dr. Matthew Mellon, a trustee, gives opportunity for recitals by organists of international repute. The Carnegie Collection of Records is available regularly to student listeners.

DRAMATICS

Powder and Wig, the dramatic society, has a long record of outstanding productions under the supervision of the Director of Dramatics, who is a member of the English faculty. Students not only act in plays, but also direct short productions, build scenery and supervise staging and lighting. The College offers in alternate years a credit course in The Development of the Theatre.

SPEECH AND DEBATE

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

BOOK OF THE YEAR

A unique feature at Colby is the *Book of the Year*. Each spring a committee of faculty and students selects an outstanding book for all to read during the ensuing college year. The book is frequently mentioned in different courses and in informal discussions.

Since the program was introduced in 1949, the books have been: *Human Destiny* by Lecomte du Nouy; *The Mature Mind* by Harry Overstreet; *Policy for the West* by Barbara Ward; *Selected Plays* by George Bernard Shaw; *Who Speaks for Man* by Norman Cousins; *Out of My Life and Thought* by Albert Schweitzer; *The Lonely Crowd* by David

Riesman; *The Adventures of Don Quixote* by Cervantes; *The Shaping of the Modern Mind* by Crane Brinton; *Theory of the Leisure Class* by Thorstein Veblen; *Magic, Science and Religion* by Bronislaw Malinowski.

ATHLETICS

Athletic teams, varsity and freshman, include baseball, basketball, football, hockey, track, golf, tennis, skiing, and soccer. For more than 60 years, keen interest has centered in the Maine Intercollegiate Athletic Association, consisting of the four long-established colleges of the state. In this so called "state series" Colby wins its share of championships (in 1958-59 four). All coaches are members of the faculty in the Department of Physical Education.

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

FRATERNITIES AND SORORITIES

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

RELIGION AT COLBY

Although Colby has for some time been independent of formal affiliation with any religious denomination, the College is proud of its Baptist heritage. With their insistence on religious liberty and the right of private

conscience, the Baptist founders of Colby endowed it with Christian principles which still invigorate its program. The College has a full-time Chaplain.

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

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

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

A notable event of the year is Religious Convocation, in February, when the Interfaith Association brings to the campus prominent religious leaders who take up residence in the student houses and conduct informal discussions. In 1960, the Convocation theme was *Religion and the Fine Arts*. A poet, a sculptor, a painter, and an architect were among the speakers.

Many Colby graduates have entered the ministry, and the list of missionaries is especially impressive. The missionary tablet in the Rose Memorial Chapel (one wing of Lorimer Chapel) testifies to the participation of Colby men and women in home and foreign missions for 138 years.

GUIDANCE

The guidance program for men students is directed by the Dean of Men, for women students by the Dean of Women. Each student is assigned to a faculty adviser who aids in the selection of an academic program, after considering recommendations from a committee who has reviewed the freshmen's own choice of courses. The adviser holds frequent conferences with the student throughout the freshman year, and is available at all times to help meet any problems if they arise.

In addition to his faculty adviser, each freshman is assigned a student adviser selected from the junior and senior classes. These advisers work both independently and with the faculty advisers and, like the latter, are available throughout the freshman year. Required orientation assemblies for freshmen are held during the first semester.

Prior to entering college each freshman is asked to participate in a summer reading program. The books assigned in 1959 were Archibald

MacLeish's Pulitzer Prize play *JB* and *The Book of Job*. One of the features of Freshman Week was a faculty panel discussion of the summer reading.

To acquaint freshmen with the academic program from which they will choose a major in their sophomore year, a tea is given by each academic department at which freshmen learn about the majors through informal discussions with students and professors. When the student selects his field of concentration, his adviser becomes a member of that department. In the case of a pre-professional or a combined major, the adviser is the faculty member who heads the specified program.

During Freshman Week a test is administered to all members of the incoming class to determine levels of speed and comprehension in reading. Those students whose reading ability is deficient to a marked degree are given special assistance in a selective developmental reading program, on a voluntary basis and without academic credit.

A valuable member of the guidance staff is the Chaplain, who is available for the same sort of advice for which the student would go to his own home pastor. The dormitory counselors for men and the head residents for women also assist in the guidance program.

PLACEMENT

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

GRADUATE STUDY

Advising students concerning graduate and professional study is a function of the department chairmen and major advisers. The Dean of the Faculty informs advisers and students of graduate and professional programs, graduate fellowships and scholarships. The Dean of the Faculty is responsible for administration of the examinations for admission to graduate and professional schools.

THE LIBRARY

Because the liberal arts college must be a reading college, the library is the focus of the academic program. The Miller Library is literally at the focal point of the campus. Here are spacious reading rooms, private study carrels, and six tiers of stacks, housing more than 185,000 books and

manuscripts. On the basis of volumes per student, Colby has one of the larger college libraries in America.

The library supplies the materials for reference, required reading, and research papers; it also compiles bibliographies, prepares exhibits, publishes a quarterly, and stimulates interest in reading. It receives regularly more than 500 news magazines, learned, scientific, technical and literary journals and daily newspapers. Included are many from foreign countries. It is a depository for publications of the United States Government and is one of a few libraries in the nation designated as a depository for the United States Army Map Service.

The Colby library has achieved international distinction through its special collections. These are housed in the Edwin Arlington Robinson Treasure Room, so named because the library has been made the custodian of the books, manuscripts, and personal papers of that American poet. Here also is the world's most comprehensive collection of works by and about Thomas Hardy. Other noteworthy collections concern Sarah Orne Jewett, Jacob Abbott, Henry and William James, A. E. Housman, Mathew and Henry Carey, Elijah Parish Lovejoy, James Brendan Connolly and the College has been given the poetry library of Harold Trowbridge Pulsifer, the library of Thomas Sergeant Perry, the James A. Healy Collection of Modern Irish Literature, and items of local interest.

The Book Arts Collection contains examples from well known private presses and examples of the work of famous book designers and printers.

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

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

COLLEGE PLANT

In 1952, Colby completed its move from a hundred-year old campus in downtown Waterville to a 650 acre site, known as Mayflower Hill, two miles west of the city. Today there are 31 new buildings on this campus, one of the most modern and beautiful in the nation.

Lorimer Chapel was the first building. Given by the late George Horace Lorimer, Colby 1898, editor of the *Saturday Evening Post* for nearly 40 years, it honors the memory of his father, the Reverend George Claude Lorimer, minister of the Tremont Temple, Boston, and one of the leading Baptist preachers of the 1890's.

At the center of the Mayflower Hill Campus is *Miller Library* with its study and reading areas, extensive storage stacks for books, periodical and reference rooms, and several special collections.

On either side of the library, as one faces Waterville, are classroom buildings. The *Keyes Science Building*, dedicated in 1950, houses the departments of chemistry, physics, and mathematics. The *Life Sciences Building* is devoted to biology and geology.

Named for America's first martyr to press freedom, who graduated with the Class of 1826, the *Elijah Parish Lovejoy Building* has faculty offices and classrooms for the humanities and the social sciences. There are special workshops for modern languages and psychology.

The newest building is the *Bixler Art and Music Center*, which has classrooms, studios, a library for the departments, gallery, auditorium, rehearsal hall, and practice and listening rooms. The gallery displays the college's permanent collection of paintings, sculpture, and other art as well as travelling exhibitions throughout the year. The *John L. Given, Jr. Auditorium*, seating 400 and acoustically designed for vocal and instrumental performances, is equipped to record musical programs stereophonically. Leading off the gallery, and out-of-doors, is the *Montague Sculpture Court*.

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

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

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

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

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

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

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

ADMISSION

ALL MATTERS pertaining to admission of freshmen, both men and women, are administered by the Director of Admissions, in accordance with policies determined by the Committee on Admissions.

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

Sixteen units are required:

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

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

COLLEGE BOARD TESTS

All applicants are required to take both the Scholastic Aptitude Test and the Achievement Tests of the College Entrance Examination Board. It is recommended that a candidate take the Scholastic Aptitude Test in January of the senior year and the Achievement Tests in March. The Achievements should include English Composition and two other tests of the candidate's choice. It is highly recommended that one of these be in the foreign language which the student expects to continue at Colby.

During the academic year 1960-1961 the College Entrance Examination Board will hold a complete series of examinations on each of the following dates:

Saturday, December 3, 1960	Saturday, March 18, 1961
Saturday, January 14, 1961	Saturday, May 20, 1961
Saturday, February 4, 1961*	Wednesday, August 9, 1961

*Morning program (Scholastic Aptitude Test) only.

The schedule of tests will be as follows:

8:45 A.M. — Scholastic Aptitude Test, for all six dates listed above.
(Verbal and Mathematical Sections)

1:45 P.M. — Afternoon Tests, for December, March, May, and August only. Candidates may take not more than three of the following:

Achievement Tests:

English Composition	Biology
Social Studies	Chemistry
French	Physics
German	Advanced Mathematics
Latin	Intermediate Mathematics
Spanish	

The schedule permits a candidate to take the morning Scholastic Aptitude Test and a maximum of three of the afternoon tests.

Copies of College Board Tests (Bulletin of Information), obtainable without charge from the College Entrance Examination Board, contain rules regarding applications, fees, and reports; rules for the conduct of the test; advice to candidates; descriptions of the tests; sample questions and answers; and lists of examination centers.

Candidates should make application by mail to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey. Applicants in the Mountain and Pacific Coast states apply at the western office of the Board, P. O. Box 27896, Los Feliz Station, Los Angeles 27, California.

A copy of the bulletin of information is routinely sent to every candidate requesting an application blank.

Each application submitted for registration must be accompanied by the examination fee. A detailed schedule of fees follows:

Scholastic Aptitude Test and one, two, or three hours of afternoon tests	\$10.00
Scholastic Aptitude Test only	4.00
One, two, or three hours of afternoon tests only	6.00

Please note that there will be no reduced fee for those taking morning and afternoon sessions at one administration.

All applications and fees from within the United States should reach the appropriate office of the Board not later than the dates specified below:

<i>For Tests On</i>	<i>Closing Date for Application</i>
December 3, 1960	November 5
January 14, 1961	December 17
February 4, 1961	January 7
March 18, 1961	February 18
May 20, 1961	April 22
August 9, 1961	July 12

Applications received after these closing dates will be subject to a penalty fee of three dollars in addition to the regular fee, but no application can be accepted, even with the extra fee, later than two weeks prior to examination date.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates holding tickets of admission to the centers at which they present themselves will be admitted to the tests. Requests for transfer of examination centers cannot be considered unless these reach the appropriate Board office at least two weeks prior to the date of the examination.

ADVANCED PLACEMENT

Colby subscribes to the Advanced Placement Program of the College Entrance Board. Candidates interested in advanced placement and credit must take the Advanced Placement Test given by the Board.

ADMISSION PROCEDURE

1. File a formal application with the Director of Admissions. A non-refundable \$10 application fee to cover part of the cost of processing each application is required. A check or money order for this amount should be returned with the formal application blank.
2. Personal interviews are required of all applicants, either at the College or with a Colby representative near the applicant's home.
3. The majority of each entering class is selected in April.
4. If admitted, an applicant must make the required deposit of \$50 not later than a date agreed upon by certain member colleges of the College Entrance Examination Board. That group of colleges, which includes Colby, has agreed that no admitted applicant is required to assure the college of his acceptance of admission earlier than a common date fixed annually by the group. In 1960 the date was May 18. The 1961 date will be about the same time. An applicant may assure his chosen college of his acceptance of admission as much earlier than the May date as he may desire.

ADMISSION BY TRANSFER

Admission by transfer from another college, including a junior college, is limited to a few carefully selected students. The Dean of Men and the Dean of Women (*not* the Director of Admissions) administer all matters pertaining to the admission of transfer students.

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

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

ADMISSION OF VETERANS

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

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

SPECIAL STUDENTS

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

GRADUATION REQUIREMENTS

THE DEGREE of Bachelor of Arts is the only degree-in-course conferred at Colby College. To qualify for this degree a candidate must meet certain specifications in quantity, quality, distribution and concentration (see "Major" below).

QUANTITY

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

Two years of Physical Education.

QUALITY

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

DISTRIBUTION

The general distribution requirements for graduation have recently been revised. Both the old requirements and the new are on the next page, described as Plan A and Plan B respectively. Freshmen entering in the fall of

1960, those who entered as freshmen in the fall of 1958 or 1959, and sophomore transfers entering in the fall of 1960 (the classes of 1962, 1963 and 1964) will fulfill the requirements under Plan B; seniors (the class of 1961) may fulfill the requirements under either Plan A or Plan B, according to their preference.

PLAN A

1. English Composition (English 121, 122) in the freshman year.
(See note on Remedial English, p. 60)
2. Literature (English 221, 222 or 223, 224) in the sophomore year.
3. Two years in the Natural Sciences, which may be taken in either of the following options:
 - (a) One year-course, or two sequence semester courses, in any two of the following subjects: Biology, Chemistry, Geology, Mathematics, Physics.
 - (b) Two year-courses, or their equivalent in semester courses in any one of the following subjects: Biology, Chemistry, Geology, Mathematics, Physics.
4. Three year-courses or equivalent in semester courses, selected from three different subjects in the Division of Social Sciences; provided, however, that not more than one of the following courses may be counted toward this requirement: Social Science 121, 122; Religion 111 and Philosophy 112; or any other course in the Division of Social Sciences which is open to freshmen. Air Science 221, 222 count as one course toward this requirement.
5. A basic knowledge of one of the ancient or modern foreign languages taught at Colby. This requirement may be met in one of the four following ways:
 - (a) Giving evidence of satisfactory achievement either (1) by attaining before entrance a sufficiently high score in the College Entrance Examination Board foreign language achievement test, or (2) by passing an achievement examination designed to test the student's ability to read the foreign language proficiently.
 - (b) Successful completion of any year-course numbered above 101, 102 in an ancient or modern foreign language offered at Colby College, beginning in freshman year and pursued in sequence until the requirement is fulfilled.
 - (c) A transfer student whose work has been in a foreign language other than one taught at Colby will have fulfilled the foreign language requirement provided he has completed at an accredited institution the equivalent of two years of that language at the college level, and provided the marks received are high enough to make the work acceptable toward the Colby degree.
(See note on p. 24 regarding election of language courses.)
 - (d) In the case of a foreign student whose native language is not English, knowledge of his native language will be recognized normally as being acceptable fulfillment of the language requirement, subject to the approval of, and possible testing by, the Department of Modern Foreign Languages.

PLAN B

I. All College requirements:

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

Note:

This requirement will be met by English 121; English 221 or 223; and English 222 or 224. Those students for whom 4 terms are required will take English 122. (See note on Remedial English, p. 60)

- B. *Foreign Language*: Same as Plan A, section 5.

II. Area requirements:

- A. 4 terms in each of the areas (described below) into which the student's major does not fall.

Note:

- (1) Not more than 2 term courses in any one subject may be counted towards the requirement in any one area. Combined subjects listed in the "Areas" in III below (such as Philosophy and Religion) will be considered to be one subject as far as this note is concerned.
- (2) Among the *social sciences*, no more than 2 terms of 100-level courses may be counted towards the requirement.
- (3) Among the *sciences* at least 2 terms must involve laboratory courses, and the 4 terms must be chosen from no more than 3 subjects.
- (4) English 222 or 224, required for all students, will count for one term of the humanities requirement.
- (5) For distribution purposes, students enrolled in combined majors which overlap two areas (as, for example: Psychology-Mathematics) must satisfy the area requirements in all three areas: humanities, sciences, and social sciences.

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

III. Areas:

- (1) *Humanities*
Art
Music
Classics (all courses)
English (except for 121, 122, 221, and Speech)
Modern Languages (except 101, 102, 103, 104 courses)
Philosophy and Religion (certain courses, including Rel. 213-214, the Bible; Rel. 311, Great Religions; Phil. 372, Philosophy of Religion; Phil. 315, Types of Philosophy)
- (2) *Sciences*
Biology
Chemistry
Geology
Mathematics
Physics and Astronomy
- (3) *Social Sciences*
Business Administration
Economics
Government
History
Philosophy and Religion (except those courses listed among the Humanities)
Psychology
Sociology

RESIDENCE

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

EXEMPTION BY EXAMINATION

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

OPTION FOR CERTAIN STUDENTS

A student returning to college after absence of one or more semesters must meet any new requirement for graduation made subsequent to his original enrollment, provided he still needs more than one-half of the total number of courses required for graduation; but he may elect to meet either the new requirement or the requirement in effect when he first enrolled, provided he still needs not more than one-half of the total number of courses required for graduation.

MAJOR

Near the end of the freshman year each student must tentatively elect a major, the field of study to which he wishes to devote his chief attention during subsequent college years. The major may be chosen in a single subject, such as English, chemistry, history, or in one of a few designated combinations. At the end of the sophomore year the student either confirms the tentative major as permanent or elects a different major.

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

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

Each student is expected to maintain the equivalent of at least C average in his major. Any student whose cumulative average in courses completed toward the major falls below a certain scale of points is not permitted to continue with that major. The required scale is as follows: first 2 semester courses, 3 points; and 2 points for each semester course thereafter. Such a student may change to another major at the end of the junior year if he has completed, with the required point average, at least the equivalent of two year-courses which may be applied toward fulfillment of the new

major. If, at the end of junior year, a student finds no department in which he can be accepted as a major, he cannot continue in college. If in the senior year the cumulative average in courses completed toward the major falls below the required number of points, the major requirement shall be considered as not fulfilled and the degree shall be withheld.

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

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

COMBINED MAJORS

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

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

The following combined majors are offered:

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

REGISTRATION

Students must register on assigned days at the beginning of each semester and at any other time of original entrance.

Registration consists of preparing and filing with the Recorder certain records in accordance with specific instructions issued at each registration period. For registration later than the date specified for a particular student for any registration period a fine of five dollars for each day of delay is charged on the student's semester bill.

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

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

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

ELECTION OF COURSES

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

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

With the consent of his adviser a student may elect one, but only one, course in excess of the usual five courses, provided his over-all average in

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

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

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

PLACEMENT IN FOREIGN LANGUAGES

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

A student presenting two or more units of a given language for entrance must, in order to receive credit for further courses in that language, continue that language on the intermediate (103, 104) or higher level. Should such a student through a low mark on the placement test or through inability to do the work in the course not qualify for at least the intermediate level, he must (a) take the language over at the elementary level without college credit, or (b) elect a different language on the elementary level. Exceptions may be made to this requirement only in the case of veterans who are entering college after a term of military service.

JUNIOR YEAR ABROAD

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

Committee approval presupposes in each case an academic record for the first three semesters sufficiently high to give promise of the student's ability to pursue and complete his program of foreign study with credit to himself and to the College.

WITHDRAWAL

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

AUDITING COURSES

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

Adults who are not students of the College are permitted to audit courses at a fee of five dollars each semester for each audited course, provided they obtain the consent of the instructor and of the Dean of the Faculty. Members of the college staff and their families may audit courses without charge.

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

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

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

EXAMINATIONS

At the close of each semester a period of ten days is set aside for a schedule of three-hour examinations in all courses except those which the Committee on Examinations has specifically exempted. The exact proportion given to the examination mark in computing the course mark is left to the decision of each instructor, except that the mark for the semester examination may constitute not more than half of the total.

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

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

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

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

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

COMPREHENSIVE EXAMINATION IN MAJOR

Each senior is required to take a comprehensive examination in his major field. This examination will come regularly on a Friday near the middle of the Reading Period in May. The length of the examination will be at least six hours, part of which may be oral, at the discretion of the department concerned. The objective is the integration and correlation of study in the major field and its relation to other disciplines. The examination is not marked numerically, but is graded Honors, Pass or Fail. Appropriate recognition at Commencement is given to students who receive Honors. Students failing the examination are not entitled to a second examination before Commencement. They may retake the examination in the fall, after September 1, or at the time of the comprehensive examinations the following year. The examination must be passed before the degree can be conferred. Students who expect to complete graduation requirements at mid-year may take the comprehensive examination at a time agreed upon in January.

GRADUATE EXAMINATIONS

It is becoming increasingly common for graduate and professional schools to require formal, objective examinations for admission. Hence a

center has been established at Colby College for administering the Graduate Record Examination, the Medical College Admissions Test, the Law School Admissions Test and the Graduate Business School Test. These tests are administered by the Dean of the Faculty, at whose office interested students may secure complete information about them. At the same office students may secure information about graduate schools and graduate scholarships. See pages 114-117.

SELECTIVE SERVICE EXAMINATIONS

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

READING PERIOD

Near the end of each semester, there is a Reading Period in all courses numbered in the 300's and 400's. In the first semester the period extends from the re-opening of college after the Christmas recess until the beginning of the midyear examinations. In the second semester it extends for approximately two weeks preceding the final examinations.

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

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

Any department wishing to have a particular 300 or 400 course exempted from the Reading Period and have its class meetings continue through that period will make application for such exemption to the Faculty Committee on Examinations, which has authority to grant or refuse the request.

ACADEMIC STANDING

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

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

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

The first semester mark in a course designated as a year-course is only a tentative mark. For designated year-courses no credit is given until the completion of the full year's work, and there is only one final mark for the entire year, not separate marks for the two semesters as in other courses. A mark below D, except for courses referred to in the next paragraph, means that a course has been failed and that credit hours thus lost must be made up by an additional course in a subsequent term. If the failed course is specifically required for graduation, it must be repeated.

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

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

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

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

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

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

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

HONORS AND PRIZES

The degree of Bachelor of Arts with Honors is awarded in three grades: *summa cum laude* to those who attain 155 points or better in 40 courses and who also receive honors on the comprehensive examination; *magna cum laude* to those who attain 145 points or better in 40 courses and who also receive honors on the comprehensive examination; *cum laude* to those who attain 135 points or better in 40 courses, whether or not such students receive honors on the comprehensive examination, or to those who attain 130 points or better in 40 courses and who also receive honors on the comprehensive examination.

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

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

An important annual event of the spring is Recognition Assembly, when a general assembly with a prominent guest speaker is held for the purpose of recognizing those students, who, during the year, have earned honors. Among those recognized are the following: newly elected members of Phi Beta Kappa; winners of College prizes; recipient of the Condon Medal; newly elected members of Blue Key and Cap and Gown, the honor societies for senior men and senior women respectively; recipients of certificates from Phi Beta Kappa, awarded to members of the three lower classes for distinction in scholarship.

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

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

COLLEGE PRIZES

GENERAL

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

Awarded in 1959 to Barbara Elizabeth Hunter, '59.

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

Awarded in 1959 to Donna Marie Tasker, '59.

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

Awarded in 1959 to Janice Ann Rideout, '60.

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

Awarded in 1958 to Margaret Alice Jack, '60.

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

Awarded in 1959 to Priscilla Ann Gwyn, '62, Andrew Bridgeman, '62 and David Thaxter, '62.

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

Awarded in 1959 to Rosemary Athearn, '60.

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

Awarded in 1959 to Lambda Chi Alpha. Area winners: Administration, Kappa Delta Rho; Scholarship, Beta Chi; Special events, Kappa Delta Rho; leadership, Lambda Chi Alpha; Athletics, Lambda Chi Alpha.

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

Awarded in 1959 to Judith Ann Sessler, '60.

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

In 1959 no award was made.

Michael Lester Madden Scholarship. Awarded by the Scott Paper Company in honor of Michael Lester Madden to a student at the end of the sophomore year who has best demonstrated outstanding scholarship as well as leadership and participation in extra-curricular activities; the scholarship to apply during the junior and senior years.

Awarded in 1959 to Michael Dilworth Flynn, '61.

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

Awarded in 1959 to Alta Sue Maher, '61.

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

Awarded in 1959 to Ann Elizabeth Weir, '61.

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

Awarded in 1959 to Philip Henderson, Jr., '59.

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

Awarded in 1959 to Daniel Lee Hodges, '61.

BUSINESS ADMINISTRATION

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

Awarded in 1959 to Donald Stanley Freeman, '59.

CLASSICS

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

Awarded in 1959 to George Grant Welch, Jr., '60.

ENGLISH

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

Awarded in 1959 to Diane Randolph Sadler, '61.

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

Awarded in 1959 to Frederick Campbell Moffatt, '60.

Poetry Prize for the Men's Division.

Awarded in 1959 to Edward Curtis Franklin, '62.

Elmira Nelson Jones Essay Prize.

Awarded in 1959 to Donald D. Mordecai, '60.

HISTORY

Lampert History Prize. For the senior who is the highest ranking major in the fields of history and government, a fund is provided for books of the winner's choice.

Awarded in 1959 to Erla Joyce Cleaves, '59.

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

Awarded in 1959 to Richard Frederick Casson, '60.

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

Awarded in 1959 to Louis L. Leotta, '59.

MODERN LANGUAGES

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

Awarded in 1959 to Susan Kahl Fetherston, '59.

German Prizes. For excellence in German courses.

Awards in 1959 were: Women's division — first, a tie, Iris Ann Cofman, '60, and Faith Kanoelani Bunker, '61, second, Judith Ann Hoffman, '61; Men's division — Daniel Lee Hodges, '61.

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

Awarded in 1959 to Nancy Gwendolyn Walker, '60.

MUSIC

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

Awarded in 1959 to Richard Gordon Kenison, '60.

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

Awarded in 1959 to David Harvey Lawrence, '59.

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

Awarded in 1959 to Donna Marie Tasker, '59.

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

Awarded in 1959 to Sarah Ann Peabody, '61, and Sally Ann Merrill, '61.

PHILOSOPHY

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

To be awarded for the first time in 1960.

PUBLIC SPEAKING AND DRAMATICS

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

Awards in 1959: first, Arthur Eduard Goldschmidt, '59; second, William Allan Wilbur, '59; third, Thomas Goya Skolfield, '59.

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

Awards in 1959: first, William Sullivan Alexander, '62; second, Gail Jean Smith, '62; third, Patricia Louise Jack, '62.

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

Awards in 1959: first, Frank Lawrence Wiswall, '62; second, Frank Howard Wallace, '61; third, Russell John Peppe, '59; 25th Anniversary Prize, Frank Howard Wallace '61.

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

In 1959 the winning team was Dorothy Dorman, '60, and Frank Howard Wallace, '61. Best speaker: Frank Howard Wallace, '61.

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

Awards in 1959: — Prepared Speeches: large schools — first, Anna Owens, Scarborough High School, second, Philip Fisher, North High School, Worcester, Massachusetts, third, Charles Fairweather, Cheverus

High School, Portland; small schools — first, Philip Hansen III, Lincoln Academy, Newcastle, second, Roxanne Bellows, Chapel Hill School, Waltham, Massachusetts, third, Ellen Southard, Duxbury (Massachusetts) High School. Extemporaneous Speaking: large schools — first, Charles Fairweather, second, Sandra Murphy, Bangor High School, third, Royce Flood, Old Town High School; small schools — first, Philip Hansen III, second, Ellen Southard, third (tie), Roxanne Bellows and Raymond Poulin, Dexter High School.

Powder and Wig Award. Presented by the dramatic society, Powder and Wig, for exceptional achievement in dramatic productions.

Awarded in 1959 to Jeremy Stockdale Guiles, '60.

SCIENCES

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

Awarded in 1959 to Bruce Reed MacPherson, '62.

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

Awarded in 1959 to Neil Jerome Johanson, '62.

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

Awarded in 1959 to Iris Ann Cofman, '60.

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

Awarded in 1959 to Donna Lynne Sample, '61.

SOCIAL SCIENCES

Chi Omega Prize in Social Science. Awarded in 1959 to the highest ranking woman in psychology.

Awarded in 1959 to Julia May Spear, '59.

Albion Woodbury Small Prizes. A bequest of Lina Small Harris of Chicago, in memory of her father, Albion Woodbury Small, 1876, former president of Colby College and professor of sociology and dean of the graduate school at the University of Chicago, this fund provides awards for students pursuing work in economics and sociology. Prizes are annually awarded for the best essays on some subject announced by the Department of Economics and Sociology.

In 1959 no awards were made.

HEALTH SERVICE

BEFORE MATRICULATION, each newly enrolled 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 college entrance. Regular forms for this purpose are submitted to the student prior to his arrival on the campus. It is desirable that all remediable defects be corrected before the student enters college.

Students may be requested to have a thorough physical examination once a year or whenever considered necessary by the College Physician. The College Physician will advise each student with physical limitations or disabilities as to the proper program for his particular case.

The College maintains a 32 bed infirmary in the Roberts Union under the direction of the College Physician, and staffed by registered nurses. A consulting staff of surgeons, internists and specialists of the Thayer Hospital are available to the College Physician in cases of serious illness.

The College Physician and his staff hold consulting hours at the Student Health Dispensary located in Roberts Union. Students are entitled to as many visits to the daily sick call as may be necessary, the use of the college infirmary in accordance with the established regulations, and all necessary attendance by the College Physician and the infirmary nursing staff. It is important that students and parents understand that the College Health Service does not entitle a student to services of a surgeon or specialist, such laboratory procedures as x-rays, blood counts, prescription medication, refractions, glasses, dentistry, or other special diagnostic techniques.

The College limits its responsibility to illness occurring only while college is in session. Students or their parents are free to select consultants, surgeons or hospitals of their own choice, but in such cases the fees of the physicians, surgeons, nurses, hospitalization, and incidental fees are not the responsibility of the College Health Service.

Free service in the College infirmary is restricted to a total of two weeks in any college year. Infirmary meals are charged at reasonable rates. Whenever students are regularly boarding at the College dining halls there is no additional charge for infirmary meals, except where special diets are ordered by the College Physician.

The College requires all students to take out the "Students' Accident and Sickness Insurance" which provides benefits in cases where the facilities of the Health Service are not sufficient. This insurance is supplementary to the College Health Service and details concerning it are published prior to the opening of each fall semester.

AIR FORCE RESERVE OFFICERS' TRAINING CORPS

AN AIR FORCE Reserve Officers' Training Corps unit has been established at Colby College since 1951. The unit, known as the Department of Air Science, is staffed by Air Force officers and airmen who administer and operate the program of instruction.

The AFROTC program has many objectives. Since this is the major source of officers for the Air Force, a primary purpose of the Department of Air Science is to select, develop and eventually commission graduates in the Air Force. Of like importance, the department presents a planned program designed to develop within the student an understanding of present day aviation, in addition to the mission, organization, problems and techniques of the United States Air Force.

The Advanced Air Science course, junior and senior years, including the attendance at a summer training unit, is offered to selected, qualified volunteers from the basic course. "Advanced" provides further opportunity for the selected students to train as intelligent, informed, responsible citizen-leaders of tomorrow. Qualified students successfully completing the Air Science courses will be commissioned Second Lieutenants in the United States Air Force Reserve upon graduation.

The majority of graduating ROTC Cadets will be qualified for acceptance into pilot or navigator training in the United States Air Force. These graduates and selected others have excellent opportunity to become officer-leaders in many Air Force career fields such as Electronics, Administration, Meteorology, Legal, Logistics, Air Installations, Research and Development, Command and Operations.

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

Outstanding achievement or performance in various fields of endeavor within the program is given recognition by presentation of awards, normally trophies or medals supplied by various civic, military and industrial organizations.

PROGRAM OF INSTRUCTION

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

BASIC

The Basic phase consists of Air Science 121, 122 taken during the freshman year and Air Science 221, 222 taken during the sophomore year. Three classroom hours and one field laboratory period per week are sched-

uled for each course. (See Curriculum Section for course content outline.) These Basic courses, or their equivalent, are a prerequisite for the Advanced Course.

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

ADVANCED

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

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

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

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

AFROTC ACTIVITIES AND ORGANIZATIONS

Membership in extra-curricular college activities and clubs, particularly as leaders, is excellent experience for the student. For this reason, the Department of Air Science sponsors the following organizations which are operated almost solely by members of the Advanced Cadet Corps. Recognition is given for outstanding achievement and performance.

AFROTC Band
AFROTC Drill Team
AFROTC Rifle Team
Arnold Air Society
AFROTC Athletic Teams

AFROTC OPPORTUNITIES FOR VETERANS

All veterans should apprise themselves of the opportunities offered by AFROTC before final selection of courses. Qualified veterans may be commissioned in the Air Force Reserve without active duty obligation upon graduation and/or may also be selected for pilot or navigator training in the Air Force. The Professor of Air Science and his staff are ready to assist the veteran with any questions relative to the program.

DEFERMENTS FROM SELECTIVE SERVICE

Students in good academic standing in college courses are normally deferred from active military service. Once awarded, a deferment is continuous as long as the student is in good standing in the AFROTC and his college courses.

VETERANS

Colby College is fully approved by the Veterans Administration to supply education and training under government benefits allotted to veterans by virtue of several federal laws. The Dean of the Faculty is Coordinator of Veterans' Affairs, and all inquiries about registration under veterans' benefits should be addressed to him. Each veteran must submit a certificate of eligibility issued by the Veterans Administration.

GENERAL REGULATIONS

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

The Administration of the College is concerned fully as much with the social habits and character of the students as with academic standing. Students who are persistently negligent in their academic and social obligations, or who consistently violate regulations of the College or community, may be required to terminate their attendance. The College reserves the right to dismiss any student whose presence its officers believe to be detrimental to the general welfare.

ATTENDANCE

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

2. Excuses for absence, including infirmary excuses, must be made to and secured from the Dean of Men or the Dean of Women. Individual instructors are not permitted to excuse students from classes.

The Dean of Men or the Dean of Women may grant excuses only for the following reasons:

- (a) Critical emergencies.
- (b) Athletic or other extra-curricular trips, or field trips in certain courses.
- (c) Illness certified by the College Physician or his authorized representative.

Medical excuses will be issued only to students who fall within one of three classifications:

- (a) Those confined to the college infirmary or hospital because of illness or surgery.
- (b) Those students treated by the medical staff at the dispensary, infirmary, or hospital.
- (c) Those students visited by the College Physician in dormitory or other place of residence.

Medical excuses will not be granted on a retroactive basis unless one of the three classifications is satisfied.

3. Each instructor shall explain at the first meeting of every semester what constitutes unsatisfactory attendance in that class, and shall record at the offices of the deans of men and women how many cuts are allowed in each of his courses.
4. Any student whose attendance is unsatisfactory shall be warned by the Dean. Upon receipt of a second attendance warning in one course in one semester, the student shall be dropped from that course with no credit and with a mark of F. No warning shall be issued unless the excessive absence is reported to the Dean within 72 hours of its occurrence.
5. The Dean shall not issue more than one warning in any one course to the same student for absence in any seven-day period. However, vacation warnings shall be issued regardless of the interval of time since any previous warning.
6. Any student absent without excuse from the last meeting of any class before a vacation or the first meeting of any class after a vacation shall receive a vacation warning for each such class absence. If any such warning shall constitute a second vacation warning in any course, the student shall be dropped from that course with no credit and with a mark of F. The word *vacation* is interpreted to mean the Thanks-

giving recess, the Christmas recess, the spring recess, and the period between the last classes of the first semester and the first classes of the second semester, but not single holidays. Each vacation cut shall count as one of the minimum cuts allowed, and a vacation warning shall constitute also an attendance warning if allowed cuts have all been taken before the vacation absence occurs.

7. All members of the senior class and those members of other classes who are on the Dean's List shall be entitled to unlimited absences in academic subjects, but such absences shall not include announced tests nor exempt the student from the provisions of Section 6 governing vacation absences.
8. More restrictive attendance requirements for students who are on probation, or who have received a major or a minor warning, shall be at the discretion of each instructor.
9. Absences caused by exclusion from classes because of nonpayment of college bills shall be treated in the same manner as all other absences, except that the appropriate dean shall have authority to excuse absences caused by such exclusion when he is convinced that no fault lies with the student.
10. No student on academic probation shall be excused from any class because of extra-curricular or athletic activities.
11. Because the college calendar provides for the closing of college for the Christmas recess at least a full week before Christmas Day, the deans can permit absences on or immediately before the closing day for the most urgent and exceptional reasons only. Such absences cannot usually be permitted for holiday employment.

SOCIAL REGULATIONS

Responsibility for behavior can rest only on the shoulders of the individual student. This is true of all phases of campus life, including academic integrity, relationships between students, adherence to college regulations, and the use of alcoholic beverages. In these areas, and in all others, it is the aim of the College to develop in every possible way this responsibility.

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

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

The use of automobiles at the College is not permitted to freshmen, sophomores or to upperclassmen who are on academic probation or scholarship. Students who have an automobile at the College are subject to the following restrictions:

- (1) Permission of parents for students who are not of legal age.
- (2) Registration of the automobile at the office of the Superintendent of Buildings and Grounds.
- (3) Proof that liability insurance is carried.
- (4) Observance of the motor vehicle regulations of the College as well as those of the State of Maine.
- (5) A satisfactory academic record. Students on academic probation may not bring cars to the campus.
- (6) Students who are recipients of financial aid may have cars only if permitted by the appropriate dean.

Social rules governing campus life are fully explained in *The Colby Gray Book*.

MARRIED STUDENTS

The College accepts married students under conditions which each such student must arrange with the Dean of Men or the Dean of Women. A married woman student may enroll or remain in college if her college residence is with her husband or parents. If a woman student wishes to continue living in her dormitory after being married, she may obtain permission to do so from the Dean of Women under certain conditions.

ADULT EDUCATION AND EXTENSION

THE BOARD OF TRUSTEES, in the fall of 1954, officially created the Division of Adult Education and Extension. The two main reasons for this decision by the trustees were the demonstrated success of the ever expanding summer program over the past few years and a sincere desire on the part of the College officials to provide opportunity for self-improvement to the adult population of Waterville and neighboring communities.

Colby's first venture in this field is recorded in the College catalog for 1924-25: "After 104 years spent in the education of young men and women, the College indicates its readiness to extend its activities further by the inauguration of College Extension Courses designed to meet the requirements of the following classes of persons." With only an occasional lapse of a year or two, extension courses were offered until 1943.

In the summer of 1945, a new phase of Colby's adult education program was inaugurated. Firm in his belief that the wonderful facilities of the beautiful new campus should not remain idle for three months of each year, Dr. Frederick T. Hill, a trustee of the College, proceeded to bring into reality his vision of a Colby serving the people for twelve months of the year. He conceived the idea of bringing to Mayflower Hill the First Annual Institute For Hospital Administrators, and these Institutes have ever since been an integral part of the expanding program.

The Colby-Swarthmore Summer School of Languages was organized in 1948 as a joint venture of the two colleges. In 1953, Colby assumed full responsibility for this activity.

In 1953, the Board of Trustees felt justified in creating a new division of the College and appointing a full-time Director. The summer program of 1955, which concluded the first full year of adult education activity under a full-time Director, brought over 2,000 people to Mayflower Hill as participants in one or another of the seventeen programs held at Colby. This more than doubled the figures of any previous summer.

Another activity of the Division of Adult Education and Extension is the Colby-sponsored Institute for Maine Industry, now in its ninth year. Held in late March, it brings to the campus 200 industrial leaders of Maine. Throughout the year other meetings and conferences are sponsored directly, or in cooperation with other departments of the College.

Beginning with the second semester of the college year of 1954-55, the offering of evening courses for adults was resumed. They were planned with two groups in mind: (1) those individuals, in and nearby Waterville, whose primary interest is in the cultural and intellectual aspects of the courses and enjoyment of them; and (2) teachers who, in addition, desire to acquire credit for teacher certificate requirements.

Colby has pioneered in presenting college courses by television. The first given in 1955 has been followed by eight others, reaching a wide audience in Maine, New Hampshire, Vermont, and parts of New York and Canada. The live telecasts originating at WMTW (Mt. Washington) are simulcast over WABI-TV (Bangor) and WAGM-TV (Presque Isle).

In addition, courses for special groups are sponsored as the need arises. Examples of such are classes preparing insurance men for C.L.U. and C.P.C.U. examinations, and workshop courses for teachers, which provided special training for remedial work in reading and speech.

A significant addition to the summer program in 1958 was the Institute for Science, made possible by a grant from the National Science Foundation. Additional grants made possible expanded Institutes in 1959 and 1960.

Recognizing the fact that in every community there is a wide diversification of educational interests, and believing that education should be a continuous process throughout one's life, Colby has set for itself certain objectives. Through the Division of Adult Education and Extension, the College plans to provide learning for occupational improvement, for participation in civic affairs, for leisure-time pursuits, and for scholastic achievement.

SUMMER SCHOOL OF LANGUAGES

THE SCHOOL was opened in 1948 as the Colby-Swarthmore Summer School of Languages. During the first five years of its operation it was sponsored by Colby College and Swarthmore College. For practical reasons Colby College, in 1953, assumed full responsibility for the School, continuing the general policies and standards previously established by the two colleges. The School recognizes the increasing need in our country for more men and women with a sound knowledge of foreign languages. It has faith that linguistically trained citizens can help to further international understanding and good will among nations. The School is organized especially for the training of the capable and ambitious young man or woman who is looking forward to graduate or foreign study, positions or travel in foreign lands, translation work, foreign language teaching, or government service.

The thirteenth session of the School opens on the Mayflower Hill campus on June 20 and closes on August 6, 1960. The fourteenth session is expected to be held between corresponding dates in the summer of 1961. Courses are offered at the elementary, intermediate, and advanced levels in French, German, Russian, and Spanish. Also offered are period courses in French Literature and a reading course in German for advanced degrees.

All courses are of the intensive type, covering in seven weeks one full year's work at the college level, with no less than one hundred and five hours of classroom instruction, and with a credit of six semester hours. The faculty, drawn from many colleges, is composed of native or bilingual instructors who have had wide experience and interest in teaching American students. They are chosen not only for their scholarly attainments but for their personalities and their ability to teach and handle students informally.

The student will find an atmosphere that is particularly conducive to rapid progress in learning a foreign language. The School insists upon the exclusive use of the foreign language outside the classroom in so far as circumstances and previous training permit. The use of the spoken language is encouraged by grouping the students in the dormitories, according to the language they study. Teachers live in the dormi-

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

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

FINANCES

THE CHARGES tabulated below constitute a student's major items of expenses for one semester. In addition there are the various expenses of a personal nature, books, student insurance, and the Student Activities Fee.

<i>Item</i>	SEMESTER CHARGES	
	<i>Amount</i>	<i>Payable</i>
Tuition, 5-course program	\$625	\$100 before August 1, balance before registration
Room, dormitory	150	On semester bill *
Board, College dining hall	225	On semester bill *
	\$1,000	

* The semester bill is issued approximately five weeks after registration and is due two weeks after date of issue.

ADVANCE PAYMENTS

No formal bills are issued for the following items:

APPLICATION

A non-refundable application fee of \$10 must accompany each application for admission to Colby College.

ADMISSION

Non-refundable deposit of \$50 due on or before acceptance date. (See page 17) This deposit is later credited toward tuition due prior to registration.

TUITION DEPOSIT

Non-refundable deposit of \$100 required of all upperclass students on or before August 1 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For new students the \$50 admission deposit covers this item.

ROOM DEPOSIT

All upperclass students must, in order to reserve a room for the following college year, make a \$10 deposit on or before May 1. This deposit is later credited toward room charge on the fall semester bill. The deposit will be refunded if the request for a room reservation is withdrawn before August 1.

TUITION

The tuition charge is \$625 per semester for a five course program. The semester per course charge is \$125. Tuition must be paid in full prior to registration for each semester.

INSURANCE

Accident and sickness insurance premium of \$22 (subject to rate change) for the college year must be paid in advance of first semester registration.

ROTC DEPOSIT

Deposit of \$15 for issued equipment is required of all men students enrolled in the Air Force ROTC. This deposit is due in advance of registration and is refundable at the end of each year upon surrender of all ROTC equipment.

SEMESTER BILL

Charges for items not due in advance of registration are included on a semester bill issued shortly after the opening of each term. This bill becomes due approximately two weeks from date of issue. Included are charges for room, board (if at a college dining hall), extra courses, student activities, and such miscellaneous items as the chemistry breakage deposit and the charge for the use of electrical appliances. Deduction is made for any prepayments on items charged.

BOARD

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

ROOM

Room in college dormitories is charged at the rate of \$150 per semester. All students are required to live in college housing facilities unless excused by the Dean of Men or the Dean of Women. Excuses may be granted only for students living at home or working in families for their rooms under arrangement specifically approved by the respective deans. Dormitory reservations for men students are made through the office of the Dean of Men and for women students through the office of the Dean of Women.

ACTIVITIES FEE

At the request of the students themselves a Student Activities Fee is collected annually for financing various student activities. This fee is charged on the first semester bill except for students in attendance for the second semester only who are charged a proportionate fee on the second semester bill. This fee is compulsory with no items deductible. The student organizations supported and the amount of the fee may vary from year to year. The fee for 1960-61 is \$23 for all students.

HEALTH SERVICE

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

The health services are described in detail on page 36 and also in the *Colby Gray Book*.

ACCIDENT AND SICKNESS INSURANCE

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

MISCELLANEOUS

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

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

In chemistry courses, students are required to pay for all apparatus broken or lost. A chemistry breakage deposit of \$10 per course is charged on the first semester bill and any unused balance is refunded at the end of the year.

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

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

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

PAYMENT OF BILLS

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

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

Tuition must be paid in full before a student is permitted to register or attend classes. No formal bill is issued for tuition. This catalog statement constitutes notice that payment must be made in advance. The Treasurer cannot permit deferred payment of tuition, but, at his discretion, he may grant partial extension for a brief period on the semester bill.

REFUNDS

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

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

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

Refund of the payment made for board to a student who withdraws either voluntarily or involuntarily will be made at the rate of \$10 per week for the incomplete portion of the semester.

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

FINANCIAL AID

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

Financial aid in excess of \$225,000 is annually distributed in scholarships, Woodman Grants, and college employment. The amount in the first two categories represents the income from invested funds provided throughout Colby's long history by alumni, other friends, foundations and organizations. Although scholarships are the basis for financial assistance, they cannot be expected to meet the full cost of a college education. Many students find it necessary to supplement them with loans. Those who hold scholarships in excess of \$300 are expected to accept employment at the college. In all cases, the amount of scholarship assistance depends upon financial need. When justified, some scholarships may exceed full tuition.

FRESHMAN SCHOLARSHIPS

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

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

UPPERCLASS SCHOLARSHIPS

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

LOANS

The College has loan funds totaling approximately \$35,000. The conditions under which these are allocated vary.

Colby participates in the National Defense Education Program. Loans under this plan provide for liberal repayment schedules and special rebates for those who enter the teaching profession.

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

The Benjamin Loan Fund has been established for short term loans to women students.

There are also funds for students, who, in cases of emergency, need to borrow small amounts for brief periods.

RESTRICTED SCHOLARSHIPS

(1) *Sons and Daughters of Baptist Ministers*

In recognition of Colby's historical affiliation with the Baptist denomination, it is a custom to grant a remission of half of the tuition to sons or daughters of ordained Baptist ministers. Applicants must qualify on the basis of need and academic achievement.

(2) *Kling Scholarships*

An endowment from the late Charles Potter Kling provides a number of scholarships annually which, by the terms of his will, are available only to "needy male students of American Colonial or Revolutionary ancestry." Some of these amount to full tuition and may be continued until graduation if the holder maintains good citizenship and a satisfactory scholastic standing. Applicants for Kling Scholarships should write to the Director of Admissions requesting a genealogical data form.

(3) *Other Restricted Scholarships*

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

COLLEGE EMPLOYMENT

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

CURRICULUM



HUMANITIES

SOCIAL SCIENCES

NATURAL SCIENCES

AIR SCIENCE

HEALTH AND PHYSICAL EDUCATION



Curriculum 1960-1961

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

DIVISION OF HUMANITIES

Art, Bibliography, Classics, English, Modern Foreign Languages, Music

DIVISION OF SOCIAL SCIENCES

Business Administration, Economics and Sociology, Education and Psychology, History and Government, Philosophy and Religion

DIVISION OF NATURAL SCIENCES

Biology, Chemistry, Geology, Mathematics, Physics and Astronomy

DIVISION OF AIR SCIENCE

DIVISION OF HEALTH AND PHYSICAL EDUCATION

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

Unless otherwise restricted any course may be elected by a student who has met the stated prerequisite.

NUMBERING SYSTEM

Each course is designated by a number with three digits.

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

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

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

- 0 — either semester of a year-course
- even number — one of two closely related semester courses
- odd number — an independent semester course

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

odd number — first semester course

even number — second semester course

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

The letter "e" after a number indicates an "E" course.

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

Two closely related semester courses (those with an even number as the second digit) are so constructed that the second may not be taken without completion of the first, except by special permission of the department offering the courses. A mark of "E", at the discretion of a department, may be given for the first of two related semester courses, provided the course is so designated under the course description in the current catalog. A mark of "E" designates provisional failure, and indicates that the deficiency may be made up by satisfactory completion of the second of two related courses 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 permanent mark for each semester, whereas a year-course carries only one permanent mark at the end of the year.

[] Brackets indicate that the course will not be offered in 1960-61.

* An asterisk indicates that the course will probably not be offered in 1961-62.

† A dagger indicates that the course will probably be offered in 1961-62.

Graduation requirements at Colby are stated in terms of courses and half-courses. In order to make it plain, however, that certain courses carry more than the usual number of semester hours, wherever that term is the unit requirement, these are so designated in the course descriptions.

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

On the following pages listing the courses offered in each department, each statement of prerequisite omits mention of class restriction, because the first digit of the course number gives that information.

DIVISION OF HUMANITIES

Chairman, PROFESSOR ALLEN

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

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

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

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

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

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

Divisional Courses

101, 102. PROBLEMS IN CREATIVE THINKING
(Freshman Section)

A section of 301, 302, described below, especially adapted for a number of selected freshmen.

[301, 302. PROBLEMS IN CREATIVE THINKING]
(Upperclass Section)

A course designed to stimulate students to creative thinking through the exploration of problems developed by the class. Although the upperclass and the freshman sections employ the same method, they operate independently. The content of each is divided into five units, each taken from a different field (science, the arts, philosophy, etc.) and directed by a member of the faculty in the field concerned. The students are presented with a general problem area rather than with a specific problem, and they are encouraged to develop hypotheses rather than to seek the opinion of authority.

Art

Chairman, PROFESSOR CARPENTER

Professor Carpenter and Assistant Professor Miller

Major requirements: Art 121, 122, 231, 411 and ordinarily 211; at least two semester courses chosen from Art 251, 272, 311, 312, 314, 318; and additional courses in Art to bring the total to nine semester courses. Two semester courses in European History. The C average is based on courses taken in the department.

121, 122. INTRODUCTION TO ART

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

Course 121 is prerequisite for 122. *Messrs. Carpenter and Miller*

* 211. THEORY AND PRACTICE OF DRAWING

The practice of drawing, with discussions and occasional lectures. Limited to 30 students.

Prerequisite: General aptitude. *Mr. Carpenter*

* 212. ADVANCED DRAWING

A continuation of the work begun in 211, with more complex problems. Modelling in clay is done to intensify knowledge of the human figure. Limited to 20 students.

Prerequisite: Art 211. *Mr. Carpenter*

† [231. THEORY AND PRACTICE OF DESIGN;
INTRODUCTION TO PAINTING]

Problems in design, with an emphasis on color. Studio course with discussions and lectures. Limited to 30 students.

Prerequisite: General aptitude.

† [232. INTRODUCTION TO PAINTING]

A continuation of 231, with more complex problems. Limited to 20 students. Though not prerequisite, Art 211 and 212 will be found valuable in this course.

Prerequisite: Art 231.

251. ARCHITECTURE

A survey of architectural styles with emphasis on modern developments. Work in the course will include problems in architectural design and the making of models of historical buildings. *Mr. Miller*

* 272. AMERICAN ART

A survey of architecture, sculpture and painting from Colonial times to the present. Lectures and problems will make use of the original material in the Colby collections. *Mr. Miller*

† [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 will be given to the graphic arts (woodcuts and engravings) in Germany.

Prerequisite: Art 121, 122 or permission of the instructor.

* 312. ART OF THE RENAISSANCE IN ITALY

The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major painters and sculptors.

Prerequisite: Art 121, 122 or permission of the instructor. *Mr. Miller*

† [314. BAROQUE ART]

The art of the seventeenth and eighteenth centuries, with emphasis on the major painters.

Prerequisite: Art 121, 122 or permission of the instructor.

† [318. MODERN ART]

In this course special attention will be given to French painting of the nineteenth and twentieth centuries.

Prerequisite: Art 121, 122 or permission of the instructor.

321, 322. STUDIO WORK

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

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

Mr. Carpenter

411. SEMINAR IN ART HISTORY AND CRITICISM

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

Messrs. Carpenter and Miller

Bibliography

Associate Professors McKenna and Libbey

312. BIBLIOGRAPHICAL MATERIALS AND MAKING OF BOOKS

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

Prerequisite: junior standing; sophomores by permission.

Classics

Chairman, PROFESSOR ALLEN

Professor Allen and Mr. Dell

Major requirements:

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

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

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

Attention is invited to the opportunity for concentrating in the combined majors Classics-English and Classics-Philosophy. See page 55.

Placement Test: Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college. (See page 24 for further details.)

CLASSICS COURSES IN ENGLISH

Note: These courses require no knowledge of Latin or Greek.

CLASSICS 221, 222. LITERATURE AND THOUGHT OF THE CLASSICAL WORLD

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

[Classics 231. CLASSICAL EPIC POETRY]

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

Not open to students who have taken Classics 222.

[Classics 232. CLASSICAL DRAMA]

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

Prerequisite: Classics 231, or English 222 or 281.

HISTORY 261, 262. HISTORY OF THE ANCIENT WORLD

See page 88.

GREEK

101, 102. ELEMENTARY GREEK

Introduction to the language; reading of Attic prose.

Prerequisite: none.

103, 104. HOMER AND EARLY LYRIC POETRY

A reading course primarily in the Homeric poems, with some reading of the early lyric and elegiac poets.

Prerequisite: Greek 101, 102. This course is a prerequisite for all Greek courses listed on the next page.

[241, 242. GREEK TRAGEDY]

Selected tragedies of Aeschylus, Sophocles, and Euripides.

243, 244. GREEK PHILOSOPHY AND HISTORY

Reading of one or more works of Herodotus, Thucydides, Plato, or Aristotle. The work to be read will be determined by the particular interests of the students.

281, 282. GREEK PROSE STYLE

Exercises in Greek composition, based on reading of Greek prose.

LATIN

101, 102. ELEMENTARY LATIN

Introduction to the language; reading of Caesar and Cicero.

Prerequisite: none.

103, 104. INTERMEDIATE LATIN

In the first semester, a systematic review of Latin grammar and vocabulary; in the second semester, reading of prose and poetry, including a part of Vergil's *Aeneid*. The course is particularly designed for students whose study of Latin may have been interrupted for several years.

Prerequisite: Latin 101, 102 or two years of high school Latin. Students offering three or four years of high school Latin may take Latin 103, 104 if they are not adequately prepared for Latin 105, 106.

105, 106. READINGS IN LATIN LITERATURE

Reading and discussion of a variety of Latin writers, including Vergil, Ovid, Sallust, and Livy.

Prerequisite: Latin 103, 104 or four years of high school Latin. This course is a prerequisite for all Latin courses listed below.

[231. LYRIC POETRY]

Catullus and the *Odes* of Horace.

[232. DRAMATIC POETRY]

Comedy (Plautus and Terence) and Tragedy (Seneca).

233. ELEGY

Tibullus and Propertius.

[234. RHETORIC]

Orations of Cicero and the *Institutes* of Quintilian.

[235. SATIRE]

The *Satires* and *Epistles* of Horace and later Latin satirical prose and poetry.

236. LATER LATIN PROSE

Tacitus and other prose writers of the Empire.

[237. PHILOSOPHICAL POETRY: LUCRETIUS]

The *De Rerum Natura* of Lucretius.

[238. PHILOSOPHICAL PROSE]

Selections from the philosophical works of Cicero and Seneca, and from the *Confessions* of St. Augustine.

[251. VERGIL]

Books VII-XII of the *Aeneid*.

[252. CAESAR AND CICERO]

The political careers of Caesar and Cicero and the relations between them studied in their writings.

281, 282. LATIN PROSE STYLE

Exercises in Latin composition, based on reading of Latin prose.

English

Professors Chapman, Marriner, Strider, and Schoen-René¹; Associate Professors Alice Comparetti, Benbow, Cary, and Sutherland; Assistant Professors MacKay, Suss, Iorio, Witham, and Yokelson; Mr. Garab, Dr. Brown, Dr. Curran, Mr. Guss², Dr. Kirk, and Mr. Phillips.

Requirements for majoring in English Literature are: in the sophomore year, English 221e, 222 and History 243, 244; in the junior year, two year period courses or their equivalent in semester courses, one year of which must be in periods before 1800; in the senior year, English 411, 412 and one year period course or its equivalent in semester courses. Those courses classified as period courses are: 311, 312, 314, 317, 318, 332, 333, 334, 335, 336, 338, 351, 352, 411, 412, 413, 421, 422, 423, 424.

Requirements for majoring in American Literature are: in the sophomore year, English 221e, 222 and History 281, 282; in the junior year, English 351, 352 and one year of English Literature in periods before 1800; in the senior year, English 423, 424 and English 421, 422. English 316 is considered as a period course for American Literature majors and is recommended.

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

Attention is invited to the opportunity for concentrating in the combined major Classics-English. See page 55.

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

¹ 1959-60, second semester.

² 1959-60.

121e, 122. ENGLISH COMPOSITION

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

131d. GENERAL SPEECH

A general course in the fundamental principles of the composition and oral delivery of speeches. *Messrs. Witham and Suss*

151d. ADVANCED SPEECH

A study of the composition and oral presentation of extended speeches. Emphasis is placed upon practical problems encountered in a variety of speaking situations. *Messrs. Witham and Suss*

221e, 222. INTRODUCTION TO LITERATURE IN ENGLISH

A general introduction to literature in the English language through a study of selected English and American authors. Required of all sophomores.

Prerequisite: English 121. *Mrs. Comparetti and Staff*

[223, 224. THE ROMANTIC REVIVAL]

English Literature from 1798 to 1832: Coleridge, Wordsworth, Byron, Keats, Shelley, and their prose contemporaries.

253. ARGUMENTATION AND DEBATE

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

Prerequisite: English 131 or by permission. *Mr. Witham*

254. ORAL INTERPRETATION

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

Prerequisite: English 221 or 223. *Mr. Witham*

[281, 282. DEVELOPMENT OF THE THEATRE]

Drama in the western world from the ancient Greek to the beginnings of modern realism. Significant plays will be read and discussed against the background of developing production techniques and the social and intellectual context.

Prerequisite: English 121. Qualified students may be admitted to the second semester without the first.

311. ANGLO-SAXON LITERATURE; MEDIEVAL LITERATURE I

English Literature from the beginning to 1400. The first half of the course considers *Beowulf*, selected Anglo-Saxon lyrics, Round Table ma-

terial, early ballads, and selections from *Piers Plowman*. The latter half is devoted to an intensive study of Chaucer's *Canterbury Tales*.

Prerequisite: English 221, 222; or 223, 224. *Mr. MacKay*

* 312. MEDIEVAL LITERATURE II

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

Prerequisite: English 311, or permission of the instructor. *Mr. MacKay*

[314. THE EARLIER RENAISSANCE]

A brief study of a few major authors — and concepts — of the Italian Renaissance as a background to an intensive study of such authors as More, Erasmus, Wyatt, Surrey, Sidney, and Spenser.

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

316. SHAKESPEARE

Eight or ten representative plays of Shakespeare, with attention to their literary qualities, the development of Shakespeare as a dramatist, and the intellectual background of the Elizabethan age as reflected in his art. Designed especially for non-majors.

Prerequisite: English 221, 222; or English 223, 224. *Mrs. Comparetti*

317. SEVENTEENTH CENTURY LITERATURE I

A study of the prose, poetry, and tragedy of the early seventeenth century as they reflect the changing intellectual background. Attention will be focused on selected works of Bacon, Burton, Donne, Ford, Hooker, Webster, and others.

Prerequisite: English 221, 222; or 223, 224. *Messrs. Benbow and Strider*

318. SEVENTEENTH CENTURY LITERATURE II

Beginning with a study of Jacobean comedy, attention will be focused on literary and intellectual problems of the later seventeenth century. Selected works of Jonson, Marston, Massinger, and Middleton; Browne and the Cambridge Platonists, Hobbes, and Locke; Herbert, Marvell, and Dryden. Although this course is a continuation of work begun in English 317, it may be elected separately.

Prerequisite: English 221, 222; or 223, 224. *Messrs. Benbow and Strider*

332. MILTON

A study of Milton's poetry and prose.

Prerequisite: English 221, 222; or 223, 224. *Mrs. Comparetti*

333. THE AGE OF POPE

A study of selected works of Swift, Pope, Fielding, and other major English authors of the first half of the eighteenth century.

Prerequisite: English 221, 222; or 223, 224. *Mr. Sutherland*

334. FROM JOHNSON THROUGH BLAKE

A study of major works of English Literature written between 1750 and 1798. Although this course is a continuation of work begun in English 333, it may be elected independently.

Prerequisite: English 221, 222; or 223, 224. *Mr. Sutherland*

335. VICTORIAN LITERATURE I

A study of the major writers who began publishing in the 1830's: Carlyle, Dickens, Tennyson, Browning, and Thackeray.

Prerequisite: English 221, 222; or 223, 224. *Miss Curran*

336. VICTORIAN LITERATURE II

A study of Victorian prose and poetry from Matthew Arnold through Gerard Manley Hopkins, including novels by George Eliot and Thomas Hardy.

Prerequisite: English 221, 222; or 223, 224. *Miss Curran*

[338. HISTORY OF THE ENGLISH LANGUAGE]

An historical study of the vocabulary and grammar of English, its sources and its modern trends.

Prerequisite: English 121 and at least one year of foreign language completed in college or exemption from foreign language requirement by passing of Reading Knowledge Examination.

341, 342. SURVEY OF AMERICAN LITERATURE

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

Prerequisite: English 221, 222; or 223, 224. *Mr. Iorio and Staff*

351. EARLY AMERICAN AUTHORS

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

Prerequisite: English 221, 222; or 223, 224. *Mr. Iorio*

352. THREE AMERICAN NOVELISTS

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

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

Mr. Iorio

361, 362. GREAT ENGLISH NOVELS

Readings in the major novelists of the British tradition. In the first semester, Defoe to Emily Bronte; in the second, Thackeray to Joyce. Designed especially for non-majors. Qualified students may be admitted to the second semester without the first.

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

Mr. Cary

* 363, 364. MODERN DRAMA

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

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

Mr. Suss

372. EXPOSITORY WRITING

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

Prerequisite: English 121.

Mr. MacKay

[374. LITERATURE AND RHETORIC: A SEMINAR]

Classical rhetoric: Aristotle, Cicero, Quintilian, and the tradition of rhetoric to *circa* 1800. The "Rhetorics" of the Fine Arts. Rhetoric in modern literature. Reports, conferences, discussions, term paper. Open to qualified juniors and seniors in the Humanities.

(Given only in 1959-60, by *Mr. Schoen-René*)

381, 382. WRITERS' WORKSHOP

Practise in the writing of short stories based on a critical study of the development of the form in Europe and America during the nineteenth and twentieth centuries. Consideration will be given to other forms of writing.

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

Mr. Iorio

411. INTRODUCTION TO SHAKESPEARE

A study of selected plays with special attention to the intellectual background and to Shakespeare's development as a dramatist.

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

Mr. Benbow

412. SHAKESPEARE

An intensive study of four plays including *Hamlet* and *King Lear*.

Prerequisite: English 221, 222; or 223, 224. *Mr. Benbow*

* 413. HISTORY OF LITERARY CRITICISM

A study of the classical backgrounds and of the development of English criticism. (Open to juniors by permission.)

Prerequisite: English 221, 222; or 223, 224. *Mrs. Comparetti*

421, 422. CONTEMPORARY LITERATURE

English and American Literature of the twentieth century. An introduction to the most important authors since 1914, and a detailed study of one author by each student each semester. (Although this is a continuous course, either semester may be elected separately by qualified students.)

Prerequisite: English 221, 222; or 223, 224. *Mr. Chapman*

423, 424. MAJOR AMERICAN ROMANTICS

A study of the Golden Age of Romanticism in American Literature. In the first semester, representative works of Poe, Emerson, Thoreau; in the second semester, Whitman, Melville, Hawthorne. The first semester may be taken alone but is a prerequisite for the second.

Prerequisite: English 221, 222; or 223, 224. *Mr. Cary*

Modern Foreign Languages

Chairman, PROFESSOR MCCOY

Professor McCoy; Associate Professors Strong, G. Smith, P. Bither, Kellenberger, Biron, Holland; Assistant Professors Schmidt and Brady; Mr. Cauz, Mr. Harjan¹, Miss Pallister, Miss Sherwin, Dr. Rothschild², and Instructor.

Placement Test: Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college. (See page 24 for further details.)

FRENCH

Major requirements: French 105, 106; 221, 222; and any two of the three French courses: 343, 344; 345, 346; 347, 348; German 225, 226. History 221, 222 is recommended in the sophomore year. A student desiring certification for teaching French must also include French 311 and 414. When computing the C average, all courses taken in the Department are included.

¹ 1959-60.

² 1959-60, second semester.

101, 102. ELEMENTARY FRENCH

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy French; collateral reading. One hour per week of language laboratory.

Mr. Kellenberger and Staff

103, 104. INTERMEDIATE FRENCH

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms. Special sections with one hour per week of language laboratory.

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

Mr. Smith and Staff

105, 106. READINGS IN FRENCH LITERATURE

A study of some of the masterpieces of French Literature from the Middle Ages to the present day, with biographical sketches of the authors read. Translation, class discussion, collateral reading, composition. One hour per week of language laboratory, with emphasis on pronunciation, intonation, and comprehension and use of the spoken language. Conducted chiefly in French.

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

Mr. Biron and Staff

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

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

Prerequisite: French 105, 106 or special permission.

Mr. Smith

223, 224. CONVERSATIONAL FRENCH

Practice in oral French for students whose main interest is in the spoken aspects of the language. Organized development of new vocabulary by means of oral and written reports based on reading of periodicals, newspapers, and French texts concerning the culture and life of modern France. Class discussion of current events to develop free oral expression. Intensive training in the use of correct grammatical and idiomatic construction. Intended primarily for non-majors. Conducted in French.

Prerequisite: French 105, 106.

Mr. Biron

311. SPOKEN AND WRITTEN FRENCH

Reading, writing, and reciting French, with a view to developing fluency in expression. Phonetic training directed toward a correct accent.

Intended primarily for advanced students and prospective teachers. Conducted in French.

Prerequisite: French 221, 222 or 223, 224. *Mr. Strong*

312. ADVANCED SPOKEN AND WRITTEN FRENCH

A continuation of French 311, with more emphasis on free composition, originality of expression, and extemporaneous speaking. Conducted in French.

Prerequisite: French 311. *Mr. Strong*

* 343, 344. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY

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

Prerequisite: French 221, 222. *Mr. Kellenberger*

345, 346. FRENCH LITERATURE OF THE NINETEENTH CENTURY

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

Prerequisite: French 221, 222. *Mr. Strong*

† [347, 348. CONTEMPORARY FRENCH LITERATURE]

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

Prerequisite: French 221, 222.

† [355. THE FRENCH REALISTIC NOVEL OF THE NINETEENTH CENTURY]

Study of the form and development of the realistic novel in France through the reading of representative novels of Balzac, Flaubert, and Zola. Particular attention given to the "Comédie humaine" of Balzac. Conducted chiefly in French.

Prerequisite: French 105, 106.

414. TEACHING OF FRENCH AND SPANISH IN THE SECONDARY SCHOOL

Problems and methods of teaching French and Spanish; readings, discussions, practice work, and criticisms. Counts as three hours in Education toward the Maine Professional Secondary Certificate. Conducted in English.

Prerequisite: French 221, 222 or Spanish 221, 222. *Mr. Strong*

† [454. DIDEROT]

A study of the works of Diderot and his contributions to the thought of the eighteenth century. Particular emphasis upon his literary and

aesthetic ideas. Course conducted in seminar style with individual oral and written reports. Conducted chiefly in French.

Prerequisite: French 221, 222.

461, 462. FRENCH SEMINAR

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

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

Staff

GERMAN

Major requirements: German 107, 108; 225, 226; and any two of the three German courses: 343, 344; 345, 346; 347, 348. History 221, 222 is recommended in the sophomore year. When computing the C average, all courses taken in the Department are included.

101, 102. ELEMENTARY GERMAN

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy German; collateral reading. One hour per week of language laboratory.

Mr. McCoy and Staff

103, 104. INTERMEDIATE GERMAN

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

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

Mr. Bither and Staff

107, 108. CONVERSATION, COMPOSITION, AND READING

Practice in speaking and writing German; collateral reading in prose selected to meet the individual needs of students majoring in other fields. One hour per week of language laboratory. Conducted chiefly in German.

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

Mr. Schmidt

225, 226. GERMANIC ARTS AND LITERATURES

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

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

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

The literature of the Classical Period: Klopstock, Wieland, Herder, Lessing, Goethe, and Schiller. Emphasis on a detailed study of the masterpieces of Goethe and Schiller.

Prerequisite: German 107, 108 or special permission.

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

Characteristic works of representative men, including Novalis, Tieck, Schlegel Brothers, Eichendorff, Rückert, Körner, Uhland, Kleist, Heine, Ludwig, Grillparzer, Hebbel, and Hauptmann. Literary movements: Romanticism, Young Germany, Realism, Naturalism.

Prerequisite: German 107, 108 or special permission.

347, 348. CONTEMPORARY GERMAN LITERATURE

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

Prerequisite: German 107, 108 or special permission. *Mr. Schmidt*

461, 462. GERMAN SEMINAR

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

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

ITALIAN

* 225. DANTE

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

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

* 226. ITALIAN LITERATURE OF THE RENAISSANCE

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

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

PORTUGUESE

† [211. ELEMENTARY PORTUGUESE]

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

Prerequisite: Spanish 103, 104.

† [212. LITERATURE IN PORTUGUESE]

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

Prerequisite: Portuguese 211.

RUSSIAN

101, 102. ELEMENTARY RUSSIAN

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy Russian; collateral reading. One hour per week of language laboratory. *Instructor*

103, 104. INTERMEDIATE RUSSIAN

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

Prerequisite: Russian 101, 102 or equivalent. *Instructor*

SPANISH

Major requirements: Spanish 105, 106; 221, 222; and any two of the three Spanish courses: 341, 342; 355, 356; 357, 358; German 225, 226. History 221, 222 is recommended in the sophomore year. A student desiring certification for teaching Spanish must also include French 414. When computing the C average, all courses taken in the Department are included.

101, 102. ELEMENTARY SPANISH

Introduction to the language; pronunciation; grammar, composition; conversation; vocabulary building; reading of easy Spanish; collateral reading. One hour per week of language laboratory. *Mr. Cauz and Staff*

103, 104. INTERMEDIATE SPANISH

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

Prerequisite: Spanish 101, 102 or two years of high school Spanish. This course is not open to students who receive a mark of B or higher in Spanish 101, 102.

Miss Brady and Staff

105, 106. READINGS IN SPANISH LITERATURE

An introduction to some of the masterpieces of Spanish Literature from the Middle Ages to the present day. Translation, class discussion, collateral reading, and grammar review. One hour per week of language laboratory, with emphasis on pronunciation, intonation, and comprehension and use of the spoken language. Conducted chiefly in Spanish.

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

Mr. Holland and Staff

221, 222. 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 105, 106.

Mr. Holland

† [341, 342. SPANISH LITERATURE OF THE GOLDEN AGE]

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

Prerequisite: Spanish 221, 222.

* 355. SPANISH DRAMA AND POETRY OF THE 19TH CENTURY

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

Prerequisite: Spanish 221, 222.

Mr. Holland

* 356. THE SPANISH NOVEL OF THE 19TH CENTURY

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

Prerequisite: Spanish 221, 222.

Mr. Holland

357. THE GENERATION OF 1898

A study of the more important members of the Generation of 1898, with emphasis on Unamuno, Azorin, Baroja, Valle-Inclán, and Machado. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

Mr. Cauz

358. 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 221, 222.

Mr. Cauz

461, 462. SPANISH SEMINAR

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

Prerequisite: Spanish 341, 342 or 355, 356 or 357, 358.

Staff

Music

Chairman, PROFESSOR COMPARETTI

Professor Comparetti and Associate Professor Ré

Major requirements: ten semester courses in Music not including 101, 102; two semester courses in European history and either French 103, 104 or German 103, 104. Students planning for graduate work in musicology are advised to elect both languages.

101, 102. SURVEY OF MUSIC

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

Staff

103, 104. HISTORY OF MUSIC

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

Staff

111. THEORY AND PRACTICE OF MUSIC

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

Limited to ten students.

Mr. Ré

112. HARMONY

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

Prerequisite: Music 111 or equivalent. *Mr. Ré*

211. COUNTERPOINT

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

Prerequisite: Music 111, 112. *Mr. Ré*

212. ADVANCED COUNTERPOINT

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

Prerequisite: Music 111, 112, 211 and permission of instructor.

Mr. Ré

[301, 302. THE VIENNESE CLASSICISTS]

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

Prerequisite: Music 101, 102, 111, 112 and permission of instructor.

305, 306. OPERA AND ORATORIO

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

Prerequisite: Music 101, 102, 111, 112. *Mr. Comparetti*

APPLIED MUSIC

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

Students desiring private instruction in piano are referred to Mr. Comparetti; in voice to Mr. Roger Nye and Mrs. Freda Masse; in stringed instruments to Mrs. Robert Reuman or Mr. Max Cimbollek; in organ to Mr. John E. Fay.

For participation in the College Glee Club, the Symphony Orchestra and the College Band, a student may receive credit for a one year course provided he is an active member of one of the above organizations through four years in college and has by his senior year completed requirements in any one course offered by the Department of Music. There is no credit

for the freshman year or for any period less than the four years of active participation. If this credit is applied to the requirement for graduation, as one of the twenty courses required, payment must be made on the established per course basis.

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

DIVISION OF SOCIAL SCIENCES

Chairman, ASSOCIATE PROFESSOR BIRGE

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

- (a) *American Civilization*; Adviser, Mr. Bridgman
Major requirements: History 281, 282 and four additional semesters of American History; English 341, 342 and two additional semesters of American Literature; Economics 221, 222 or 241, 242; Philosophy 351 and Religion 312; two semesters in American Government (consult with adviser on choice).
- (b) *Philosophy-Mathematics*; Advisers, Mr. Clark and Mr. Combella.
Major requirements:
In Philosophy: 212 and either 211 or 112; 331 and 332; 381 or 382; one further semester course in the Department.
In Mathematics: six semester courses in Mathematics comprising either (a) 123, 124, 221, 222, 361, and 362; or (b) 125, 126, 361, and 362, plus two additional semester courses in Mathematics.
Students should consult with one of the departments involved regarding the advisability of electing this combined major, and should register for the first course in mathematics in the freshman year.
- (c) *Philosophy-Religion*; Adviser, Mr. Clark. See page 94.
- (d) *Psychology-Mathematics*; Adviser, Mr. Johnson. See page 84.

Divisional Course

121e, 122. SOCIAL THINKERS IN THE WESTERN TRADITION

Selected writings of some of the great social thinkers in Western civilization are studied during the year in this course, which is taught cooperatively by faculty members from departments within the division of social sciences. The class meets together once a week for a lecture, followed

by two weekly meetings in discussion sections. The social thinkers studied in 1959-60 were Plato, John Calvin, John Locke, Adam Smith, John Stuart Mill, and Karl Marx. It is anticipated that in 1960-61 there will be several additions to this list, such as Aristotle, Machiavelli, and Rousseau.

Open only to freshmen.

Mr. Raymond and Staff

Business Administration

Acting Chairman, ASSOCIATE PROFESSOR ZUKOWSKI

Professor Williams; Associate Professors Seepe and W. Zurowski; Mrs. Fisher and Mr. Madison.

Major requirements: Business administration 221, 222, 321, 322, 411, 414; Economics 241, 242; and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 332; Psychology 222; and any additional courses in Business Administration.

Course marks used in computing the average required for the major include all Business Administration courses and Economics 241, 242. If, in lieu of courses in Business Administration, one or two semester courses from the approved group are used to satisfy major requirements, then these grades must also be computed in the major average.

Students planning to do graduate work in Business Administration are urged to include mathematics among their college courses. Such students should consult with the Chairman of the Department of Business Administration early in their college career.

221e, 222. PRINCIPLES OF ACCOUNTING

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.

Mrs. Fisher and Mr. Madison

321, 322. FINANCE

A basic course in business finance emphasizing the financial problems of the viable business concern. Principles of short-term finance are studied during the first semester. Problems of long-range financial policy are stressed during the second semester.

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

Mr. Zurowski

341, 342. ADVANCED ACCOUNTING

An advanced study of accounting with stress placed upon the analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.

Prerequisite: Business Administration 221, 222.

Mr. Zurowski and Mrs. Fisher

343, 344. MARKETING

An analytical approach to the study of marketing functions, activities, and institutions. Business, economic, and social implications of major policies underlying the activities of such institutions are examined.

Mr. Madison

353. MANAGERIAL ECONOMICS

Problems of products competition, profits, cost, demand, price determination, advertising, and capital formation are subjected to economic analysis. Concepts rather than detailed techniques are stressed. Economics of production are covered through independent work on the part of the student.

Prerequisite: Economics 241, 242.

Mr. Zurowski

354. BUSINESS LAW

This course is designed to provide an understanding of the principles of common and statutory law. The nature, purpose, origin and sources of law, as well as legal procedure, are considered. Emphasis is placed upon business relationships.

Mr. Madison

411. FINANCIAL PROBLEMS OF THE CONSUMER

An examination of the principles underlying the financial problems of the individual. Relevant instruments of finance are reviewed in their institutional framework.

Mrs. Fisher and Mr. Madison

412. INVESTMENTS

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

Prerequisites: Business Administration 221, 222, 321, 322, 411 and permission of the instructor.

Mr. Williams

414. BUSINESS POLICY

A terminal course which builds upon and integrates the core material studied by all business administration majors.

Prerequisites: Business Administration 221, 222, 321, 322 and two additional semester courses in Business Administration or from the approved group.

Mr. Zurowski

Economics and Sociology

Chairman, PROFESSOR BRECKENRIDGE

Professors Breckenridge and Pullen; Associate Professor Birge; Assistant Professors Barlow and Geib; Mr. Rosenthal and Instructor.

ECONOMICS

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

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

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

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

221e, 222. THE AMERICAN ECONOMY

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

241e, 242. PRINCIPLES OF ECONOMICS

An introductory course in the principles of economics and their applications to modern economic life. Required of majors in Economics, Business Administration, and the combined major in History, Government and Economics, and elective for others who meet the prerequisite.

Credit will be given for either Economics 221e, 222 or Economics 241e, 242, but not for both. Course 241 is prerequisite for 242.

321, 322. ECONOMICS OF GOVERNMENT REGULATION

A study of the role of government in economic life, with emphasis upon the regulation of competition and monopoly and of public utilities.

Prerequisite: Economics 221, 222; or 241, 242. Course 321 is prerequisite for 322.

Mr. Breckenridge

† [332. INTERMEDIATE ECONOMIC THEORY]

The construction of a consistent body of economic theory as a foundation for further economic analysis. Emphasis is placed upon some of the more important analytical concepts used in the determination of price and output for both the individual firm and the industry under varying conditions of competition and monopoly.

Prerequisite: Economics 221, 222; or 241, 242.

333. MODERN THEORY OF INCOME DETERMINATION

A study of aggregate economic analysis, with emphasis upon the Keynesian theory of the determination of income and employment. Recent post-Keynesian developments are examined. Both the historical development of the theory and the policies associated with it are studied and analyzed critically.

Prerequisite: Economics 221, 222; or 241, 242.

Instructor

334. BUSINESS FLUCTUATIONS

An analysis of the processes of economic change with particular attention to business cycles, including a study of business cycle theories with consideration to the related problem of economic growth.

Prerequisite: Economics 221, 222; or 241, 242.

Instructor

* 341, 342. MONEY AND BANKING

A study of the role of money, credit, and banking in the economic system, with emphasis on the structure and operation of commercial banking and the Federal Reserve System in the United States, and on monetary theory and business cycle theory and their application to the problem of economic stability.

Prerequisite: Economics 221, 222; or 241, 242. Course 341 is prerequisite for 342.

Mr. Pullen

352. TAXATION AND FISCAL POLICY

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

Prerequisite: Economics 221, 222; or 241, 242.

Mr. Breckenridge

361, 362. LABOR ECONOMICS

An analysis of the American labor movement emphasizing the development of unionism, union collective bargaining policies and practices, labor legislation, and the economic aspects of some major problems of labor.

Prerequisite: Economics 221, 222; or 241, 242. Course 361 is prerequisite for 362.

Mr. Pullen

371. MAJOR ECONOMISTS, 1750-1900

An examination and appraisal of the contributions of the major economists from Adam Smith to Alfred Marshall to the development of economic thought. Extensive use of source material will be made.

Prerequisite: Economics 221, 222; or 241, 242. *Mr. Breckenridge*

392. COMPARATIVE ECONOMIC SYSTEMS

A basic institutional comparison of the most important contemporary economic systems (capitalism, socialism, totalitarianism) as exemplified by the economies of the United States, the United Kingdom, and the U.S.S.R., including an analysis and evaluation of planned and unplanned economies.

Prerequisite: Economics 221, 222; or 241, 242. *Mr. Barlow*

394. INTERNATIONAL COMMERCIAL POLICIES

A study of the basic principles and problems of international commercial policy, with particular reference to the commercial policy of the United States. This will include a discussion of the principles, problems and institutions of international economic cooperation, especially in the post-World War Two period.

Prerequisite: Economics 221, 222; or 241, 242. *Mr. Barlow*

411. SEMINAR IN CURRENT ECONOMIC PROBLEMS AND POLICIES

A study of current economic problems and policies considered in relation to their historical background and to the economic principles underlying them. *The New York Times* will be the text. Frequent oral and written reports will be required of each student.

Prerequisite: Economics 221, 222; or 241, 242; at least two additional semester courses in Economics; and permission of the instructor.

Mr. Barlow

SOCIOLOGY

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

Students planning to do social work should, at the beginning of their sophomore year, consult with the instructor concerning minimum requirements. However, please note that the course on Social work can not be offered for credit as a Sociology major.

In computing the required average for the major, all courses required for the major will be counted.

221e, 222. PRINCIPLES OF SOCIOLOGY

An introduction to the study of human society; its growth, institutions, activities and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. Course 221 is prerequisite for 222.

† [311. NORMATIVE SOCIAL THEORY]

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

Prerequisite: Sociology 221, 222.

† [312. HISTORY OF SOCIOLOGICAL THEORY]

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

Prerequisite: Sociology 221, 222.

331. INTRODUCTION TO SOCIAL WORK

This course will focus on the nature of social work, including some considerations of the history of social work. It is designed to acquaint the student with the various types of social work now practiced. A brief consideration will be given to a few of the modern techniques of social work. There will be at least three required field trips, taking place during October and/or November. This course cannot be used to fulfill the requirements for the major.

Prerequisite: Sociology 221, 222.

Mr. Geib

* 332. DELINQUENCY AND CRIME

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

Prerequisite: Sociology 221, 222.

Mr. Geib

* 351. RACE AND MINORITIES

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

Prerequisite: Sociology 221, 222.

Mr. Rosenthal

* 352. URBAN SOCIOLOGY

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

Prerequisite: Sociology 221, 222.

Mr. Birge

* 353. COMPARATIVE SOCIAL SYSTEMS

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

Prerequisite: Sociology 221, 222.

Mr. Birge

† [361, 362. CULTURAL ANTHROPOLOGY]

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

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

† [371. SOCIAL STRATIFICATION]

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

Prerequisite: Sociology 221, 222.

372. THE FAMILY

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.

Mr. Rosenthal

* 391. COLLECTIVE BEHAVIOR

A social analysis of phenomena of collective behavior — crowds, public opinion, propaganda, and communication — and the forces which mold each. Special attention is given to the major mass media and their function in modern society.

Prerequisite: Sociology 221, 222.

Mr. Geib

* 392. SOCIAL CHANGE

Although an historical approach will be used at times, this course will be primarily theoretical in nature. It will attempt a study of the mechanisms, functions and the consequences of social change. Particular attention will be directed to the relevance of social change for the social order.

Prerequisite: Sociology 221, 222.

Mr. Geib

401, 402. SOCIOLOGY SEMINAR

A seminar on the major problems of Sociology as a science. Much of the work will be devoted to individual projects.

Prerequisite: Senior standing, and permission of the instructor.

Mr. Birge

Education and Psychology

Chairman, PROFESSOR JOHNSON

Professor Johnson; Associate Professor N. Smith; Assistant Professors Gillespie, White¹, and Perez²; Dr. Faulds³ and Instructor.

EDUCATION

All students who are interested in teaching should read the section of this catalog on page 116 under the title, *Secondary School Teaching*.

The College through this department offers four basic semester courses — Education 311, 312, and 411, 412 — which are designed especially for prospective teachers. These courses meet the requirements of the State Department of Education in Maine for the Two Year Provisional Secondary Certificate. That certificate is granted to college graduates who have completed twelve semester hours in Education and Psychology (no more than six of which may be in Psychology). Furthermore, these courses are acceptable in most states for credit toward secondary school certification. They also may be considered as background courses for later specialized work in institutions which prepare teachers for elementary schools.

For qualified students, an opportunity is provided for practice teaching in local junior and senior high schools in the *Education Practicum*, Education 431.

The student who is planning to teach in another state should study the specific requirements of that state. Such information may be obtained from the appropriate department of education.

Students preparing for secondary school teaching would be well advised to qualify in two subject fields. This may mean limiting elections in any one subject to the minimum requirements for a major, and building up a second subject to approximate concentration. Both of these subjects should be such as are ordinarily taught in secondary schools. With respect to this and other professional factors, candidates for teaching should consult with the staff of this department.

Special Methods Courses may be included among the courses presented for certification. The Special Methods Course now offered is: French 414. Teaching of French and Spanish in the Secondary School.

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

311. HUMAN GROWTH AND DEVELOPMENT

A course in developmental psychology for prospective teachers, with emphasis on the biological, psychological, and social aspects of child growth and development from the pre-natal stages through adolescence. Observational studies of children will be encouraged.

Prerequisite: Junior standing.

Mr. Smith

Note: Education 311, Human Growth and Development, is a course designed especially for prospective teachers. The general student should elect Psychology 332 in the Department of Psychology. Education 311 may not be taken in addition to Psychology 332 for graduation credit.

¹ 1959-60, first semester.

² 1959-60, second semester.

³ 1959-60.

312. EDUCATIONAL PSYCHOLOGY

This is a professional course for those students who are seriously considering teaching. The major emphasis is on the teaching-learning process in the classroom situation.

Prerequisite: Education 311, and a preliminary conference with the instructor before registration. *Mr. Smith*

411. HISTORY AND PHILOSOPHY OF EDUCATION

A consideration of the writings of educational thinkers from Plato to Dewey and a study of the School in historical perspective.

Prerequisite: Senior standing. *Mr. Smith*

412. THE SCHOOL IN AMERICAN SOCIETY

An examination of the various aspects of the American School System with special attention given to current issues and practices in elementary and secondary education.

Prerequisite: Education 411 or special permission. *Mr. Smith*

431. EDUCATION PRACTICUM

This course carries six semester hours of college credit, the equivalent of two semester courses, and will include one month of practice teaching in a local junior or senior high school. The student will not be expected to attend regular classes at college during the practice period, but will be advised to keep in close contact with the college work through frequent consultations with the college staff.

Students in this course will be introduced to general methods of classroom teaching and management with opportunities for classroom observation before the period of actual teaching begins.

Prerequisite: An average of B or better in the student's major field of concentration; recommendation in writing from the department chairman of the student's major field, and a preliminary interview with the instructor in the course. *Mr. Smith*

[441, 442. SEMINAR IN EDUCATION]

A course intended for the serious student capable of undertaking independent study of a special problem in the field of education. Readings, field study, reports, and a final paper will be required.

Prerequisite: An average of B or better in the student's major field; recommendation of the department chairman of the student's major field, and special permission of the instructor. *Mr. Smith*

PSYCHOLOGY

Requirements for the major in Psychology are: Psychology 221e, 224; 353; 371d; 471; three additional semester courses in Psychology; Biology 101, 102 or Sociology 221, 222.

Students intending to continue specialization in Psychology beyond the undergraduate level may elect, instead, the combined major in Psychology-Mathematics. Requirements for this major are: Psychology 221e, 224; 353; 371d; 471 and one additional semester course in Psychology; Biology 101, 102 or Sociology 221, 222; and six semester courses in Mathematics comprising either (a) Mathematics 123, 124; 221, 222; 381, 382 or (b) Mathematics 125, 126; 381, 382 plus two additional semester courses in mathematics.

Students should consult the Department of Psychology regarding the advisability of electing this combined major and should register for the first course in Mathematics in their freshman year.

221e. GENERAL PSYCHOLOGY

An introduction to the biological and social foundations of behavior with attention both to facts and to methods of observation; covering modes of perception, learning and memory, emotion and motivation.

Mr. Johnson and Mr. Gillespie

222. APPLIED PSYCHOLOGY

A terminal continuation of course 221e. This course may not be credited toward completion of a major in psychology and may not be offered, in addition to Psychology 224, for course credit.

Application of psychological techniques to problems of society and of the individual—in education, in industry, and in everyday life.

Prerequisite: Psychology 221e or senior standing and permission.

Mr. Johnson

224. PSYCHOLOGICAL STATISTICS

A continuation of course 221e to be elected by all students contemplating the major in psychology or the combined major in psychology-mathematics. Prerequisite for certain advanced courses in the department. This course may not be offered, in addition to Psychology 222, for course credit.

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

Mr. Gillespie

331. CHILD PSYCHOLOGY

A genetic study of childhood from the prenatal period to adolescence; problems of adjustment to growth and to social environment; intensive study of recent research.

Prerequisite: Two semesters of psychology, or senior standing and permission.

Mr. Smith

332. ADOLESCENT PSYCHOLOGY

Growth and development during the adolescent period including discussion of such topics as the adolescent's relations with family, peer group, and culture; physical and intellectual development; vocational interests; attitudes and ideals. The case method will be used in this course.

Prerequisite: Two semesters of psychology, or senior standing and permission. *Mr. Smith*

351. THE PSYCHOLOGY OF PERSONALITY

An introduction to the psychological study of personality with an examination of contemporary theories and discussion of the dynamics of adjustment.

Prerequisite: Psychology 222 or 224. *Mr. White*

352. SOCIAL PSYCHOLOGY

Selected topics in social psychology, with emphasis on individual behavior and personality in the social context.

Prerequisite: Two semesters of psychology, or senior standing and permission. *Mr. Gillespie*

353. PSYCHOLOGICAL MEASUREMENT

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

Prerequisite: Psychology 224. *Mr. Gillespie*

371d. EXPERIMENTAL PSYCHOLOGY

Laboratory investigations of man's sensory and motor processes, perception, and learning.

Prerequisite: Psychology 224. *Mr. Johnson*

372. INTRODUCTION TO CLINICAL PSYCHOLOGY

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

Prerequisite: Psychology 351. *Mr. Perez*

412. SYMBOLIC PROCESSES

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

Prerequisite: Psychology 224 and senior standing. *Mr. Gillespie*

451. HISTORY AND SYSTEMS OF PSYCHOLOGY

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

Prerequisite: Three semester courses in psychology.

Mr. Johnson

471. PSYCHOLOGY SEMINAR

An integrative survey of the major areas of psychological endeavor, with special attention to social, clinical, and industrial psychology. Course meetings will be largely devoted to the presentation and discussion of individual reports.

Prerequisite: Senior standing and permission.

Staff

492. PROBLEMS IN PSYCHOLOGY

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

Prerequisite: Senior standing and permission.

Staff

History and Government

Chairman, PROFESSOR MAVRINAC

Professor Mavrincac; Associate Professors Gillum and Raymond; Assistant Professors Berschneider, Bridgman and Rothchild; Messrs. Tucker¹ and J. Strong².

The Department offers majors in both History and Government.

HISTORY

The requirements for majoring in History are as follows: either History 121e, 122³ or Social Science 121e, 122, plus eight semester courses in History and two semester courses in Government. A student may not count both History 121e, 122 and Social Science 121e, 122 toward the fulfillment of this requirement.

For the classes of 1963 and thereafter one of the required eight semester courses in History must be either History 312 or History 413.

All courses taken in the Department, and Social Science 121e, 122 will be included in computing the C average required for the major.

Attention is invited to the opportunity for concentrating in American Civilization. See page 74.

¹ 1959-60.

² 1959-60, second semester.

³ Course not given after 1959-60.

Social Science 121e, 122. SOCIAL THINKERS IN THE
WESTERN TRADITION

This is the beginning course in History. (See page 74 for description.) It is required of all majors in History of the class of 1964 and of classes thereafter. Students planning to major in History should enroll in one of the special History sections of the course.

221e, 222. HISTORY OF MODERN EUROPE:
THE AGE OF REASON TO THE FIRST WORLD WAR

An analysis of the major historical developments from the 17th Century to the outbreak of the Bolshevik Revolution. Although chronological symmetry is maintained, special emphasis is given to the role of ideas as background for the ideological and political problems of today.

The course is open for credit only to non-majors in History and Government. *Mr. Berschneider*

231. MEDIEVAL CIVILIZATION, 476-1300

A history of Western Europe from the decline of Roman unity to the Renaissance, with emphasis on Catholic, Byzantine and Moslem influences, as a study in which characteristic Western institutions took shape in a general social advance. *Mr. Berschneider*

232. RENAISSANCE AND REFORMATION, 1300-1648

An intellectual and cultural history of the period of transition from the medieval to the modern world. *Mr. Berschneider*

237. THE EMERGENCE OF MODERN BRITAIN, 1688-1867

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

238. MODERN BRITAIN AND THE COMMONWEALTH OF NATIONS

Modern Britain in the Age of Imperialism and the era of World Wars, from 1867 to the present. Not open to those who have received credit for the former History 353, History of the British Empire. *Mr. Gillum*

243, 244. SOCIAL AND CULTURAL HISTORY OF ENGLAND

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

Prerequisite: 243 is prerequisite for 244, except in cases of special permission.

History 243, 244 cannot be counted toward fulfillment of the major requirement in either History or Government for members of the class of 1963 and subsequent classes. *Mr. Gillum*

261e, 262. HISTORY OF THE ANCIENT WORLD

An introduction to the classical world through a political and institutional analysis of ancient life. First semester: The ancient Orient and Greece; second semester: The Roman Republic and Empire.

Prerequisite: none; open to freshmen with the permission of the instructor. *Mr. Dell*

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

United States history, from the Age of Discovery to the present day. Although chronological symmetry is maintained, a special effort is made to show the value of political, constitutional, diplomatic, social and economic interpretations. *Mr. Bridgman*

† [312. THE METHODOLOGY OF HISTORY]

A course in the vocational problems of the historian; introduction to the sources and documents in the various fields of history and to the methods of research in these fields; particular attention to the problem of the philosophy of history.

All students majoring in History are required to take either this course or History 413. Ordinarily this course is taken in the spring of the junior year. *Mr. Berschneider*

* 323, 324. DIPLOMATIC HISTORY, 19TH AND 20TH CENTURIES

A study of the modern state system and the diplomatic relations existing among the major powers. In the first semester, emphasis will be placed on the development of power politics and European hegemony in what is known as the "old diplomacy." The second semester will emphasize the development of the "new diplomacy," the waning of European hegemony and the growth of regional and world organizations.

Prerequisite: A one-year course, or equivalent, in History or Government, or special permission of the instructor. *Mr. Berschneider*

331. MEDIEVAL ENGLAND: THE ORIGINS OF THE COMMON LAW

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

332. TUDOR-STUART ENGLAND

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. *Mr. Gillum*

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

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

Prerequisite: one year-course, or equivalent, in History or Government or special permission of the instructor. History 341 is a prerequisite for History 342. *Mr. Raymond*

† [353. CONTEMPORARY EUROPE, 1914 TO THE PRESENT]

The political, social and economic history of Europe in the Twentieth Century. Emphasis is placed on Europe as a principal scene of the conflict of contemporary revolutionary dogmas.

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Mr. Berschneider*

† [354. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE]

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

Prerequisite: History 221e, 222 or Social Science 121e, 122, or special permission. *Mr. Berschneider*

372. THE FRENCH REVOLUTION AND NAPOLEON

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

Prerequisite: one-year course, or equivalent, in History or Government, or special permission. *Mr. Raymond*

375. MODERN GERMANY

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

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Mr. Gillum*

* 391. THE WESTWARD MOVEMENT, 1763-1896

The West from the close of the French and Indian War to the defeat of Bryan in 1896. Emphasis is placed on the West as a laboratory for political and economic experimentation.

Prerequisite: History 281e, 282, or special permission. *Mr. Bridgman*

* 392. CONTEMPORARY AMERICA

The political history of the United States from 1929 to the present.

Prerequisite: History 281e, 282, or special permission. *Mr. Bridgman*

† [393. THE SOUTH IN UNITED STATES HISTORY, 1819-1896]

Selected topics in the history of the South and its peculiar institutions, during a period of incomplete transition from agrarianism to industrialism.

Prerequisite: History 281e, 282, or special permission. *Mr. Bridgman*

† [394. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES, 1900-1929]

Selected topics illustrating the changing social organization and cultural assumptions of Twentieth Century Americans.

Prerequisite: History 281e, 282 or special permission. *Mr. Bridgman*

395. COLONIAL AMERICA

Selected topics in early Colonial American history.

Prerequisite: History 281e, 282 or special permission. *Mr. Bridgman*

401, 402. HISTORY SEMINAR

Critical study and evaluation of sources and documents; methods of historical research, important historians and some problems of the philosophy of history. This course will not be given after 1961-62.

Prerequisite: concentration in History; B average in History courses; may also be taken by special permission. *Mr. Berschneider*

405, 406. SEMINAR IN AMERICAN HISTORY

Special topics in American history.

Open by permission

Mr. Bridgman

411d. TOPICS IN HISTORY

A study of history through special topics.

Prerequisite: History major and special permission.

Staff

[413. SEMINAR IN THE PHILOSOPHY OF HISTORY]

This seminar is especially intended for those majors in History who are planning to continue work in History at the graduate level or who are especially interested in the philosophical and technical problems with which the seminar deals.

Readings in representative philosophies of history and discussions of the idea of history. Particular attention will be given, by working with original documentary materials, to an analysis of the historical method.

Ordinarily taken in the fall semester of the senior year. To be given in 1962-63. *Mr. Berschneider*

GOVERNMENT

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

All majors are required to take Government 321, 322 and at least one semester course in Government numbered in the 400's. All courses taken in the Department, and Social Science 121e, 122 will be included in computing the C average for the major.

Attention is invited to the opportunity for concentrating in American Civilization. See page 74.

Social Science 121e, 122. SOCIAL THINKERS
IN THE WESTERN TRADITION

This is the beginning course in Government. (See page 74 for description.) It is required of all majors in Government of the class of 1964 and of classes thereafter. Students planning to major in Government should enroll in one of the special Government sections of the course.

233. EUROPEAN CONSTITUTIONAL GOVERNMENTS

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

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

234. AMERICAN NATIONAL GOVERNMENT

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

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

321, 322. POLITICAL THEORY

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

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

323, 324. AMERICAN CONSTITUTIONAL LAW

A study of the Supreme Court of the United States as part of the American political process. During the Fall semester emphasis is laid on the Court's work in the area of federalism, and in that of the national and

state regulation of business and labor relations. Special attention is given to the various concepts of the function of the Court elaborated from the Philadelphia Convention to the present. During the spring semester principal attention is given to the work of the Court in such areas as the investigative powers of Congressional committees, censorship, freedom of speech and of political organization, segregation, and separation of church and state.

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

* 333. TOTALITARIAN GOVERNMENT AND POLITICS

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

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

335. INTERNATIONAL RELATIONS

A course in the principles of international politics, stressing such topics as the balance of power, collective security, diplomacy and nationalism.

Prerequisite: A previous course in Government or European History, or special permission of the instructor. *Mr. Rothchild*

336. INTERNATIONAL ORGANIZATION

An examination of such international institutions as the League of Nations, the United Nations, and of the principles of international law, with special emphasis on contemporary efforts to create a world community under law.

Prerequisite: A previous course in Government, or special permission of the instructor. Government 335 is a prerequisite to Government 336. *Mr. Rothchild*

353. GOVERNMENTS OF MODERN AFRICA

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

Prerequisite: one year-course, or equivalent, in History or Government, or special permission of the instructor. *Mr. Rothchild*

* 355. POLITICAL PARTIES

A study of American political parties, with emphasis on campaigns and elections.

Prerequisite: one year-course, or equivalent, in History or Government, or special permission of the instructor. *Mr. Raymond*

[372. PUBLIC ADMINISTRATION]

An introduction to the operational side of government with special attention to the American national government.

Prerequisite: Government 234, or special permission.

† [375. MODERN POLITICAL THEORY]

A consideration of the principal streams of political theory in the Western world since Rousseau, with particular attention to the adaptation of traditional liberal-constitutional theory to modern conditions and to challenges from anti-democratic theories. Marx, Mill, Nietzsche, Freud, the Pluralists, Dewey, Weber, Maritain, the Existentialists and the Logical Positivists, are typical of the theorists to be selected and studied in the course.

Prerequisite: one year-course or equivalent in History or Government, or Social Science 121e, 122.

Mr. Mavrinac

* 376. STATE AND LOCAL GOVERNMENT

An examination of the structure, development and current problems of American state and local government.

Prerequisite: Government 234 or special permission of the instructor.

Mr. Mavrinac

† [413. SEMINAR IN COMPARATIVE GOVERNMENT]

An advanced study of selected problems in the field of comparative government, with special emphasis placed on original research by each student in the course.

By permission.

Mr. Rothchild

433. SPECIAL TOPICS IN AMERICAN NATIONAL
GOVERNMENT AND POLITICS

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

Prerequisite: Government 234 or special permission.

Mr. Mavrinac

458. FOREIGN POLICY OF THE UNITED STATES

A seminar in the problems of planning and executing American foreign policy.

Prerequisite: Government 234, or equivalent; or Government 335, or equivalent; or special permission.

Mr. Rothchild

† [478. SPECIAL PROBLEMS IN LOCAL GOVERNMENT]

While the problems dealt with in this seminar will vary from year to year, the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally the constitutional society will be the point of reference, and the comparative experience of America, England and France will be emphasized; but from time to time consideration will be given to the analogous problem in the totalitarian society.

Prerequisite: one year-course, or equivalent, in Government, or special permission.
Mr. Maurinac

Philosophy and Religion

Chairman, PROFESSOR CLARK

Professors Bixler, Clark, and Osborne; Associate Professor Reuman; Assistant Professor Todrank; Mr. Schiller and Mr. Hudson.

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

A major in Philosophy; requirements: Philosophy 212, and 112 or 211, 331, 332, 381 or 382, and three further courses in Philosophy selected with the approval of the department.

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

A combined major in Philosophy and Mathematics, (see page 74).

A combined major in Classics and Philosophy, (see page 55).

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

PHILOSOPHY

112. INTRODUCTION TO WESTERN PHILOSOPHY

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

Prerequisite: standing not higher than sophomore.

Mr. Clark and Staff

211. MORAL PHILOSOPHY

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

Mr. Reuman and Staff

212. CRITICAL THINKING

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

Mr. Clark and Staff

311. PRESENT CONFLICTS IN POLITICAL PHILOSOPHY

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

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

Mr. Reuman

[312. ETHICAL ISSUES IN THE MODERN WORLD]

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

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

Mr. Clark and Staff

314. AESTHETICS

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

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

Mr. Schiller

315. TYPES OF PHILOSOPHY

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

Prerequisite: two semester courses in Philosophy or special permission.

Mr. Todrank

316. ETHICS AND GENERAL THEORY OF VALUE

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

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

[317. PHILOSOPHY AND MODERN SCIENTIFIC THOUGHT]

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

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

331. HISTORY OF ANCIENT PHILOSOPHY

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

332. HISTORY OF MODERN PHILOSOPHY

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

351. AMERICAN THOUGHT

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

Prerequisite: Two semester courses in Philosophy. *Mr. Hudson*

353. CONTEMPORARY PHILOSOPHY

The major movements in philosophy since 1900.

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

Mr. Clark

354. HISTORY OF MEDIEVAL PHILOSOPHY

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

Prerequisite: Philosophy 331, or permission of the instructor.

Mr. Osborne

[357. SYMBOLIC AND FORMAL LOGIC]

Principles of Semantics. Formal Logic systematically studied. A brief introduction to the logic of probabilities.

Prerequisite: Philosophy 212.

372. PHILOSOPHY OF RELIGION

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

Prerequisite: one semester course in religion, preferably Religion 311, and one course in Philosophy, or the consent of the instructor.

Mr. Todrank

381, 382. PHILOSOPHY SEMINAR

Careful study of special topics chosen each year to meet the needs of the students involved. Ordinarily the course is limited to students majoring in the department, but others with special qualifications may be admitted with the consent of the instructors. For students taking the combined major in Philosophy and Mathematics either Philosophy 381 or 382 will be organized as a course in advanced logic studying the calculus of propositions, and its relations to the calculus of classes (which will have been introduced to the student in Mathematics 361), to the syllogism (introduced in Philosophy 212), and to the Aristotelian "Laws of Thought."

Prerequisite: four semester courses in Philosophy.

Staff

RELIGION

111. INTRODUCTION TO WESTERN RELIGION

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

Prerequisite: standing not higher than sophomore.

Mr. Osborne and Mr. Todrank

213. THE BIBLE: OLD TESTAMENT

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

Mr. Todrank

214. THE BIBLE: NEW TESTAMENT

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

Mr. Todrank

311d. GREAT RELIGIONS OF THE WORLD

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

Mr. Osborne

[312. RELIGION IN AMERICAN LIFE]

The role of religion in American culture, with particular attention to the characteristics of Judaism, Roman Catholicism, Protestantism and the Orthodox Churches.

Prerequisite: Religion 111 or Religion 311 or special permission.

Mr. Osborne

381, 382. RELIGION SEMINAR

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

Prerequisite: the equivalent of two year-courses in Religion.

Staff

DIVISION OF NATURAL SCIENCES

Chairman, PROFESSOR REID

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

Suggested curriculum:

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

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

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

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

Attention is also invited to the combined major in Psychology and Mathematics. See page 84.

Biology

Chairman, PROFESSOR SCOTT

Professor Scott; Associate Professors Terry and Crocker¹; Mr. Parsons² and Instructors.

Major requirements: Mathematics 123-124; Chemistry 141-142; four years of biology including Biology 101-102 and one additional year of science. Students preparing for graduate study in the biological sciences, including biology majors who plan to enter dental, medical or veterinary schools, must take physics and organic chemistry. It should be noted that university requirements for the Ph.D. degree in areas of biological science include a reading knowledge of two modern foreign languages.

101, 102. GENERAL BIOLOGY

An introduction to the science of Biology.

Staff

211. BOTANY

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

Prerequisite: Biology 101, 102.

241. 242. PRINCIPLES OF VERTEBRATE GROWTH AND FORM

The subject matter of comparative anatomy and the embryology of the vertebrates is integrated in a way which allows the introduction of modern ideas concerning structure in relation to function. Some of the newer material covered includes mathematical principles of growth and form, elements of comparative biochemistry and comparative physiology.

Prerequisite: Biology 101, 102 passed with a grade of C or better.

Staff

† [253. INVERTEBRATE ZOOLOGY]

An introduction to the morphology, physiology, embryology, ecology, and economic importance of invertebrate animals. (A summer course at an approved seashore laboratory may be substituted for Biology 253.)

Prerequisite: Biology 101, 102.

257. HISTOLOGY AND MICROSCOPICAL TECHNIQUE

A study of the fundamental tissues of animals, of their arrangement in the organs of the body and of the methods used in the preparation of tissues for microscopic examination.

Prerequisite: Biology 101, 102.

Instructor

¹ 1959-60.

² 1959-60.

258. MICROBIOLOGY

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

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

Mr. Terry

312. GENETICS

The following topics are discussed: mendelian principles and their physical basis; linkage, mutation and the nature of the gene; genetics and evolution, and a survey of human heredity.

Prerequisite: Biology 101, 102.

Mr. Scott

† [313. EXPERIMENTAL BIOLOGY]

The classroom work will consist of review and discussion by the students of some significant experimental papers in biological science. The laboratory work will consist of approximately six experiments involving different technical and theoretical approaches to the field.

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

315. PHYSIOLOGY

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

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

Mr. Terry

316. ECOLOGY

A study of the relationship of the organism to its environment. The physical, chemical and biotic bases of community structure and development.

Prerequisite: Biology 101, 102.

Instructor

421, 422. SPECIAL PROBLEMS

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

Chemistry

Chairman, PROFESSOR REID

Professor Reid; Associate Professors Ray and Machemer; Instructor.

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

Professional Major

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

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

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

Junior year: Chemistry 223, 234; Chemistry 321, 322; German 101, 102; Social Science or Humanities; Elective.

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

* Following recommendation by the Mathematics Department.

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

Non-Professional Major

Requirements: Chemistry 141, 142, 212, 221, 222, 223, 224. Other courses, best suiting the needs of the student, should be selected in consultation with the head of the department.

Attention is called to the combined major in Geology and Chemistry. See page 98.

[121e, 122. INTRODUCTION TO CHEMICAL SCIENCE]

A study of some of the fundamental principles of Chemistry and their relation to other sciences. The material covered illustrates the scientific method and indicates some of the contributions of Chemistry to the present world. A course for non-science students.

141, 142. GENERAL CHEMISTRY

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

Prerequisite: 141 is prerequisite for 142.

Mr. Machemer

212. CHEMICAL PRINCIPLES

A survey of the theories and principles involved in chemical change, approached from the quantitative point of view. The laboratory work includes physical chemical determinations. Offered only when sufficient demand.

Prerequisite: Chemistry 142.

Mr. Machemer

221, 222. QUANTITATIVE ANALYSIS

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

Prerequisite: Chemistry 142.

Mr. Ray

223e, 224. ORGANIC CHEMISTRY

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

Prerequisite: Chemistry 142; 223 is prerequisite for 224.

Mr. Reid

321, 322. PHYSICAL CHEMISTRY

A study of the laws governing the physical and chemical behavior of substances, including the theories and methods of physical chemistry. Special emphasis is given to the application of physical chemical principles to the solution of problems.

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

Mr. Ray

421, 422. ADVANCED ANALYTICAL CHEMISTRY

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

Mr. Machemer

441, 442. ADVANCED PHYSICAL CHEMISTRY

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

Mr. Ray

461, 462. ADVANCED ORGANIC CHEMISTRY

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

Mr. Reid

481, 482. ADVANCED INORGANIC CHEMISTRY

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

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

All advanced courses have as prerequisites: Chemistry 142, 221, 222, 224, 321, 322. Note that 421, 422 and 441, 442 are given in alternate years.

Geology

Chairman, PROFESSOR KOONS

Professor Koons; Assistant Professor Hickox; Mr. Pestana.

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

Attention is also called to the combined major in Geology and Chemistry on page 98.

101, 102. INTRODUCTION TO GEOLOGICAL SCIENCE

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

112. METEOROLOGY

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

211. SEDIMENTATION AND SEDIMENTARY ROCKS

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

Prerequisite: Geology 102.

Mr. Pestana

212. DESCRIPTIVE MINERALOGY

Description of the crystallography, physical properties, and chemical structure of minerals.

Prerequisite: Chemistry 141.

Mr. Hickox

[221, 222. MAP INTERPRETATION AND GEOMORPHOLOGY
OF THE UNITED STATES]

Systematic study of the origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States.

Prerequisite: Geology 102.

241, 242. GEOLOGIC STRUCTURES AND FIELD METHODS

Analysis of rock structures and their significance, with a study of techniques of field mapping.

Prerequisite: Geology 102.

Mr. Hickox

251. PALEONTOLOGY

Systematic study of fossils; evolution; the use of fossils in geologic correlations.

Prerequisite: Geology 102, or Biology 102.

Mr. Pestana

† [271. GLACIAL GEOLOGY]

Study of the origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned.

Prerequisite: Geology 102, 211.

311. OPTICAL MINERALOGY

Study of the optical properties of crystals; technique in the determination of minerals using the petrographic microscope.

Prerequisite: Geology 212.

Mr. Hickox

312. PETROLOGY OF THE IGNEOUS AND METAMORPHIC ROCKS

Optical study of the igneous and metamorphic rocks, and their origin, structure, and composition.

Prerequisite: Geology 311.

Mr. Hickox

314. PETROLEUM GEOLOGY

A study of the origin, occurrence, and production of petroleum, natural gas, and related compounds. Attention is given to methods of discovery and correlation of petroliferous rocks.

Prerequisite: Geology 211.

Mr. Pestana

[313. ECONOMIC GEOLOGY]

Study of formation, classification, and distribution of metallic and non-metallic mineral deposits, petroleum, and coal.

Prerequisite: Geology 212.

352. STRATIGRAPHY

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

Prerequisite: Geology 211; 251.

Mr. Pestana

461, 462. SPECIAL PROBLEMS IN GEOLOGY

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

Prerequisite: Permission of the instructor.

Staff

Mathematics

Chairman, PROFESSOR COMBELLACK

Professor Combellack; Associate Professor Lucille Zukowski; Mr. Wheeler, Mrs. Wheeler¹, and Instructor.

Major requirements. Mathematics 123, 124, 221, 222, 321, 322, 341, 342, 361, 362, 421, 422. Mathematics 381 may be substituted for 322 by permission. Mathematics 125, 126 is a substitute for 123, 124, 221, 222. Courses used in computing the C average: all Mathematics courses taken.

Attention is invited to the combined majors in Philosophy-Mathematics (see page 74) and Psychology-Mathematics (see page 84).

123, 124. ELEMENTARY FUNCTIONS

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

Prerequisite: three years of college preparatory Mathematics; 123 is prerequisite for 124.

Staff

125, 126. ELEMENTARY ANALYSIS

Plane analytic geometry, elementary differential and integral calculus. This course is a substitute for 123, 124, 221, 222.

Prerequisite: three years of college preparatory Mathematics; 125 is prerequisite for 126. Limited to students selected by the department.

Mrs. Zukowski

¹ 1959-60.

221, 222. ELEMENTARY DIFFERENTIAL AND
INTEGRAL CALCULUS

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

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

Mrs. Zukowski and Mr. Wheeler

* 241, 242. ELEMENTARY STATISTICS

Descriptive statistics; probability; the binomial, Poisson, and normal distributions; sample theory; confidence intervals; regression; correlation; statistical design. This course is not open to mathematics majors.

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

Instructor

† [243, 244. FINITE MATHEMATICS]

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

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

321, 322. DIFFERENTIAL EQUATIONS AND INTRODUCTORY
APPLIED MATHEMATICS

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

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

Mr. Combella

† [341, 342. GEOMETRY]

Analytic geometry of two and three dimensions; projective geometry.

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

* 361, 362. HIGHER ALGEBRA

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

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

Mrs. Zukowski

* 381, 382. INTRODUCTION TO MATHEMATICAL STATISTICS

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

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

Instructor

421, 422. ADVANCED CALCULUS

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

Prerequisite: Mathematics 321; 421 is prerequisite for 422.

Mr. Combella

441, 442. SPECIAL TOPICS

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

Prerequisite: Mathematics 321, 322 and special permission. *Staff*

Physics and Astronomy

Chairman, PROFESSOR BANCROFT

Professor Bancroft; Associate Professor Fairley; Assistant Professor Mayers.

The Department seeks to train its students to think analytically in terms of the fundamental principles of physics. The subject matter in the various courses is carefully selected so as to illustrate the application of basic laws to specific situations, rather than merely to provide formulae for solving a wide variety of problems. The course offerings have been restricted to the fields that are felt to represent a common background for professional physicists or astronomers. These fields form an excellent background for graduate study in physics or in the other natural sciences; they comprise almost all of the subject matter likely to support the work of students majoring in other departments. An opportunity is provided at the senior level for special study on a topic of particular interest to the individual student.

Requirements for a Major

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

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

PHYSICS

141, 142. GENERAL PHYSICS

An introductory course in basic physics open to all students. The course is quantitative in nature, and stresses the interpretation of physical problems in graphical and analytical terms. A grade of C or better in this course is prerequisite for all further work in the department.

Three lectures and one three-hour laboratory weekly.

Prerequisite: Mathematics 123, 124 or 125, 126, or equivalent, (either passed or taken concurrently).

211. CLASSICAL MECHANICS

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

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 141, 142, and Mathematics 221 (either passed or taken concurrently.)

212. THERMODYNAMICS AND KINETIC THEORY

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

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 141, 142, and Mathematics 221, 222 (either passed or taken concurrently).

301, 302. ELECTRICITY AND MAGNETISM

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

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 211, Mathematics 321, 332 (either passed or taken concurrently), or consent of the department.

421, 422. OPTICS AND ATOMIC SPECTRA

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

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 141, 142, and Mathematics 221, 222 (either passed or taken concurrently).

[441, 442. ATOMIC AND NUCLEAR PHYSICS]

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

Three lectures and one three-hour laboratory weekly.

Prerequisites: Physics 141, 142, Mathematics 221, 222 (either passed or taken concurrently) and consent of the department.

461, 462. ADVANCED PHYSICS

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

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

ASTRONOMY

201, 202. ELEMENTARY ASTRONOMY

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

The sun will be considered as a representative star. The composition, distribution, and motions of stars, nebulae, and galaxies will be discussed. The major instruments of astronomical research will be studied, including telescopes, cameras, spectroscopes, etc.

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

Prerequisite: Sophomore standing at least, Mathematics 123, 124 or 125, 126, or equivalent (either passed or taken concurrently).

Enrolment limited for 1960-61.

DIVISION OF AIR SCIENCE

Chairman, PROFESSOR PETERSON

Professor Peterson (Lt. Col.); Assistant Professors Limm (Capt.), Felger (Capt.), Starkner (Maj.), Renner (Capt.)

121, 122. AIR SCIENCE I

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

Foundations of Air Power (Air Science 122) will be offered during the second semester. This entails a general study of air power and basic aeronautical science which includes Air Vehicles and Principles of Flight, Elements and Potentials of Air Power, Evolution of Aerial Warfare and Military Instruments of National Security.

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

221, 222. AIR SCIENCE II

Foundations of Air Power. Air Science 221, offered in the first semester, is a continuation study of air power taught during Air Science I with emphasis on Elements of Aerial Warfare, Employment of Air Forces and Space Operations.

Philosophy. Air Science 222 is the course Philosophy 212 (Critical Thinking), offered in the second semester.

Leadership Laboratory is a continuation of Air Science I with emphasis on non-commissioned officer training.

321, 322. AIR SCIENCE III

English. Air Science 321 is the course English 131d (General Speech), offered the first semester.

A study of Military Justice will also be included in Air Science 321. These classes will meet on a one hour per week basis.

Psychology. Air Science 322 is the course Psychology 222 (Applied Psychology). (Psychology majors will substitute Sociology 312, History of Sociological Theory).

The Air Base Commander, his Staff and the Air Force will also be a requirement of Air Science 322. Such classes will meet on a one hour per week basis.

Leadership Laboratory: progression to training as a junior cadet officer with more responsibility and authority in the cadet corps.

Prerequisite: Air Science 221, 222 or equivalent.

421, 422. AIR SCIENCE IV

Government Leadership and Air Power Concepts: Air Science 421 and 422 are courses in International Relations—International Relations 345 offered during the first semester and International Relations 346 the second semester.

Included in Air Science 421 is the study of weather and navigation. This subject will be taught on a one hour per week basis.

During the second semester of Air Science 422, a study of the Air Force Officer will be presented on a one hour per week basis.

Leadership Laboratory: final phase of leadership training. Cadets are assigned the responsibilities and authority to operate the Cadet Corps under the supervision of the Professor of Air Science and the military faculty.

Prerequisite: Air Science 321, 322 or equivalent.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Chairman, PROFESSOR LOEBS

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

The aim of this Division is to stimulate an interest and to develop skills in a wide variety of individual and team games, encourage participation in intramural and intercollegiate athletics, and to stress in the required physical activities program those games and sports that have a carry-over value in post graduate days. Physical Education is required of all freshmen and sophomores for graduation, since it is felt to be an integral element of the liberal arts college curriculum. All participation in this Division is subject to the approval of the College Physician and his staff.

PHYSICAL EDUCATION FOR MEN

The Physical Education program for men is divided into four major components; instructional required activity classes, intramural sports, intercollegiate athletics (varsity and freshman teams) and informal recreational activities.

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

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

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

The Intramural Athletic Council, composed of one representative from each participating unit, promotes general participation in athletics for all men students. Schedules are arranged in a wide variety of outdoor and indoor sports, and every student is free to engage in the activities of his choice. A year-round point system enables each competing unit to develop a continuity of participation. Competition is organized in touch football, soccer, basketball, bowling, hockey, ping-pong, volleyball, winter sports, track, softball and tennis. As new interests develop, and facilities are made available the program of intramural athletics will be increased.

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

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

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

PHYSICAL EDUCATION FOR WOMEN

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

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

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

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

PROFESSIONAL HEALTH AND PHYSICAL EDUCATION

The department offers professional training to those students who are interested in preparing for positions as teacher-coach or physical education instructor in public and private schools. The courses not only embody training in the coaching of athletics but also emphasize training in health and physical education for students who are interested in entering the field of teacher-coach.

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

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

Prerequisite: special permission.

Mr. Loeb and Staff

312. THE ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

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

Prerequisite: special permission.

Mr. Loeb and Staff

Note: Women's section of 311 and 312 will not be offered in 1960-61.

Preparation for Graduate and Professional Schools

All academic majors at Colby constitute proper preparation for graduate work toward advanced degrees of many kinds. The Dean of the Faculty is the general adviser for graduate study. From time to time he informs upperclassmen of opportunities for fellowships and scholarships in graduate schools, and he maintains in his office files of information on graduate schools which are available for inspection by interested students. Admission tests under the direction of the Educational Testing Service are administered at Colby, one of the regular testing centers, at certain times each year for prospective applicants to graduate schools of arts and sciences, law, medicine, and business administration.

ARTS AND SCIENCES

A number of Colby graduates each year enter graduate schools of arts and sciences to work toward master's degrees and the doctorate. In recent years there have been Colby graduates in a large number of graduate schools throughout the United States and abroad representing most of the disciplines in which a student may major, including history, chemistry, classics, economics, English, geology, mathematics, modern languages, philosophy, physics, psychology, and sociology.

Students who plan to enter college teaching or who for other reasons intend to continue their studies in graduate school are advised by the chairmen of their major departments, their major advisers, and the Dean of the Faculty. Seniors who have such intentions are urged to take the Graduate Record Examination.

BUSINESS ADMINISTRATION

The valuable training for positions in business and industry which is offered by such graduate institutions as the graduate schools of business administration at Harvard, Chicago, and Cornell, the Wharton School of the University of Pennsylvania, and the Amos Tuck School of Dartmouth College, leads many Colby graduates to seek admission into these and similar schools. The Department of Business Administration serves as general adviser for graduate work of this sort. Seniors who have such a program in mind are encouraged to take the Admission Test for Graduate Study in Business.

ENGINEERING

In addition to preparing students through majors in mathematics and the physical sciences for entrance into graduate schools of engineering, Colby cooperates with the Carnegie Institute of Technology and the Massachusetts Institute of Technology in what is known as the Three-two Plan of Engineering Education. Under this plan a student attends Colby for three years in liberal arts, then spends two years at Carnegie or M.I.T. in a chosen branch of engineering. Upon successful completion of the five-year program the student receives the liberal arts degree from Colby and the engineering degree from Carnegie or M.I.T.

During the three years at Colby the engineering student must secure competent mastery of the necessary mathematics and science to assure success with the two years of intensive engineering training at Carnegie or M.I.T. In his Colby program, however, broad distribution in the humanities and the social sciences as well is assured.

The Engineering Preparation Committee of the faculty serves as adviser both to students who intend to proceed to graduate schools of engineering and to those who apply for acceptance in the three-two plan.

MEDICINE

The pre-medical student may major in any subject of his choice. The medical schools do not require a particular major, but they do require general high standing and the inclusion in the student's college program of biology, chemistry, physics, mathematics, English, and foreign languages.

The Pre-Medical Preparation Committee of the faculty advises each candidate how best to prepare for the various medical schools to which he may wish to apply. It is strongly urged that pre-medical students take college courses in mathematics through the first year of calculus. Organic chemistry, in addition to a year of general chemistry, is usually required.

Prospective applicants should plan to take the Medical College Admission Test, preferably in May of the junior year.

DENTISTRY

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

The Pre-Medical Preparation Committee is advisory to candidates for dentistry as well as to those for medicine. There is a program of testing

for admission to dental schools, though these tests are not administered by the Educational Testing Service.

LAW

The pre-law student may major in any field of his choice. In fact, the American Bar Association and most law schools encourage him to attain as broad a liberal arts education as possible. The law schools generally require no specific subjects for admission. The leading law schools almost invariably require a college degree for admission, although occasionally candidates are admitted after three years of college.

The Legal Preparation Committee of the faculty serves as adviser to students who are considering the legal profession. Such students are encouraged to take the Law School Admission Test.

THEOLOGY

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

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

SECONDARY SCHOOL TEACHING

Colby offers no major in education, but it does offer courses in the Department of Education and Psychology to enable prospective teachers to meet the requirements for high school teaching in the State of Maine.

A college graduate who has fulfilled the requirements in a major subject with twelve semester hours in education and psychology may obtain the Two-Year Provisional Grade B Secondary Certificate from the Maine State Department of Education. The college graduate who has completed the requirements for a major subject with eighteen semester hours in education and psychology may obtain the Five-Year Provisional Grade A Secondary Certificate. The major subject must be one which is ordinarily taught in high school, such as English, mathematics, history, modern language, chemistry, physics, or biology.

Each state has a separate set of requirements for secondary school certification. A student who wishes to teach in a state other than Maine should obtain information concerning the specific requirements of the state in question from the appropriate department of education.

In view of the rather complicated situation with regard to teacher certification in the several states, many students are now thinking in terms of a fifth year of preparation at the university level. The trend is definitely in the direction of a good background in the liberal arts followed by a year of study at a university with a master's degree as the logical goal. Many Colby students have participated in fifth year programs with considerable success.

Colby is affiliated with the Twenty-nine College Program offered by the Harvard Graduate School of Education, where a master of arts in teaching degree is awarded after successful completion of one year of study, including practice teaching. The college also has close contacts with the University of Maine and other universities which offer graduate study for teacher candidates. Financial assistance is available to qualified students at many universities.

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

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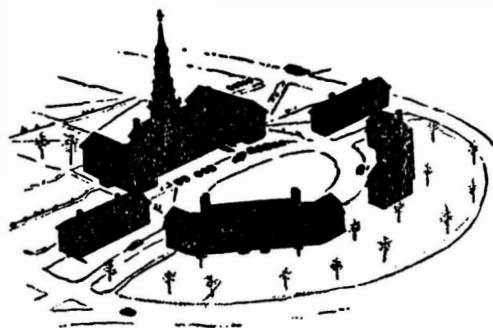
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*Mr. C. M. Hutchins.

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*Mrs. E. M. Jetté, Messrs. J. McGowan, R. C. Rowell and G. E. Whalon, secretary.

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HONORARY DEGREES: Mr. S. Sewall, Chairman; Mrs. R. R. Hutchins, Messrs. F. E. Camp and L. W. Mayo.

*Dr. F. A. Pottle.

FACULTY 1959-60

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

JULIUS SEELYE BIXLER, Ph.D., D.D., L.H.D., LL.D., D.C.L. (Amherst, Yale), Professor of Philosophy. President.
Mayflower Hill

WEBSTER CHESTER, M.A., Sc.D., Professor-Emeritus of Biology.
50 Burleigh Street

THOMAS BRYCE ASHCRAFT, Ph.D., Professor-Emeritus of Mathematics.
Monroe, North Carolina

NINETTA MAY RUNNALS, M.A., Litt.D., Professor-Emeritus of Education.
46 Lawrence Street, Dover-Foxcroft

* Non-Trustee Members

WILBERT LESTER CARR, M.A., LL.D., Professor-Emeritus of Latin.
Lexington, Kentucky

CURTIS HUGH MORROW, Ph.D., Professor-Emeritus of Economics and
Sociology.
3 West Court

LUELLA FREDERICKA NORWOOD, Ph.D., Professor-Emeritus of English.
106 Morningside Drive, New York 27, New York

LESTER FRANK WEEKS, M.A., Professor-Emeritus of Chemistry.
31 Winter Street

EDWARD JOSEPH COLGAN, M.A., Professor-Emeritus of Education and
Psychology.
358 Danforth Street, Portland

CARL JEFFERSON WEBER, M.A. (Oxon.), Litt.D., L.H.D., Professor-
Emeritus of English.
42 Burleigh Street

ERNEST CUMMINGS MARRINER, M.A., L.H.D. (Colby), Professor of
English. College Historian.
17 Winter Street

JOHN FRANKLIN MCCOY, M.A. (Princeton, Harvard), Professor of
Modern Languages. Director of Schedule. Director of Summer
School of Languages.
36 Morrill Avenue

WALTER NELSON BRECKENRIDGE, M.A. (Tufts), Professor of Economics.
65A Elm Street

WILFRED JAMES COMBELLACK, Ph.D. (Colby, Boston University), Pro-
fessor of Mathematics.
China, Maine

DONALDSON KOONS, Ph.D. (Columbia), Professor of Geology.
1 Essex Road

ALLAN CHARLES SCOTT, Ph.D. (Clark, Pittsburgh, Columbia), Professor
of Biology.
1 Nudd Street

ALFRED KING CHAPMAN, M.A. (Colby, Harvard), Roberts Professor of
English Literature.
28 Pleasant Street

JOHN ALDEN CLARK, Ph.D. (Amherst, Harvard), Professor of Philoso-
phy.
24 Morrill Avenue

- ERMANNIO F. COMPARETTI, Ph.D. (Cornell), Professor of Music.
38 Morrill Avenue
- JAMES MORTON CARPENTER, Ph.D. (Harvard), Professor of Fine Arts.
1 Edgewood Street
- EVANS BURTON REID, Ph.D. (McGill), Merrill Professor of Chemistry.
West River Road, R.F.D. No. 1
- GILBERT FREDERICK LOEBS, M.A. (Springfield, Pittsburgh, Columbia),
Professor of Health and Physical Education.
43 Burleigh Street
- ERNEST PARKER JOHNSON, Ph.D. (Springfield, Brown), Professor of
Psychology.
21 Summer Street, Oakland
- ROBERT WHITE PULLEN, Ph.D. (Colby, Massachusetts Institute of Tech-
nology), Professor of Economics.
11 Greenwood Street
- ARCHIBALD WILLIAM ALLEN, Ph.D. (California, Stanford), Professor of
Classics.
126 Mayflower Hill Drive
- ROBERT EDWARD LEE STRIDER, II, Ph.D. (Harvard), Professor of English.
Dean of the Faculty.
11 Gilman Street
- CLIFFORD HAZELDINE OSBORNE, B.A., D.D. (London), Professor of
Religion. Chaplain.
12 Johnson Heights
- RALPH SAMUEL WILLIAMS, M.B.A. (Colby, New York University),
Wadsworth Professor of Business Administration. Administrative
Vice-President.
8 Morrill Avenue
- HARRY EDWARD PETERSON, B.A. (Bethany [Kansas]), (Lt. Colonel,
USAF), Professor of Air Science.
6 Oak Knoll Drive
- ALBERT ANTHONY MAVRINAC, Ph.D. (Pittsburgh, Harvard), Professor of
Government.
12½ West Street
- DENNISON BANCROFT, Ph.D. (Amherst, Harvard), Professor of Physics.
18 Donald Street
- ¹OTTO EUGENE SCHOEN-RENE, Ph.D. (Harvard), Visiting Professor of
English.
R.D. #1, Belfast

¹ Second semester, 1959-60.

- EVERETT FISK STRONG, B.A. (Wesleyan), Associate Professor of Modern Languages.
Cherry Hill Drive
- ELLSWORTH WILLIS MILLETT, M.A. (Colby, Columbia), Associate Professor of Health and Physical Education. Alumni Secretary.
16 Dalton Street
- GORDON WINSLOW SMITH, M.A. (Boston University, Harvard), Associate Professor of Modern Languages.
56 Burleigh Street
- ARTHUR WILLIAM SEEPE, M.C.S. (Dartmouth, Amos Tuck), Associate Professor of Business Administration. Treasurer.
6 Taylor Avenue
- PHILIP STEWART BITHER, M.A. (Colby, Harvard), Associate Professor of Modern Languages.
30 Morrill Avenue
- WENDELL AUGUSTUS RAY, Ph.D. (Bates, Harvard), Associate Professor of Chemistry.
169 Silver Street
- NORMAN SWASEY SMITH, M.Ed. (Tufts, Harvard), Associate Professor of Education.
4½ West Street
- GEORGE THOMAS NICKERSON, M.A. (Colby, New York University), Associate Professor of Education. Dean of Men.
43 Johnson Heights
- ¹RICHARD KNOWLTON KELLENBERGER, Ph.D. (Oberlin, Princeton), Associate Professor of Modern Languages.
26 Averill Terrace
- ROBERT LEE TERRY, Ph.D. (Earlham, Pennsylvania), Associate Professor of Biology.
120 Mayflower Hill Drive
- ²ALICE PATTEE COMPARETTI (Mrs.), Ph.D. (Rockford, Cornell), Associate Professor of English.
38 Morrill Avenue
- LUCILLE PINETTE ZUKOWSKI (Mrs.), M.A. (Colby, Syracuse), Associate Professor of Mathematics.
Cherry Hill Drive
- ROBERT MARK BENBOW, Ph.D. (University of Washington, Yale), Associate Professor of English.
R.F.D. No. 1, Fairfield

¹ On leave, second semester, 1959-60.

² On leave, 1959-60.

- KEMP FREDERICK GILLUM, Ph.D. (Illinois, Wisconsin), Associate Professor of History.
5 Lawrence Street
- KINGSLEY HARLOW BIRGE, Ph.D. (Dartmouth, Yale), Associate Professor of Sociology.
41 May Street
- LEON PALMER WILLIAMS, M.A. (Cortland Teachers, Columbia), Associate Professor of Health and Physical Education.
16 Dalton Street
- ARCHILLE HENRI BIRON, M.A. (Clark, Middlebury, Paris), Associate Professor of Modern Languages.
15 Glen Avenue
- FLORENCE ELIZABETH LIBBEY, B.A., B.S. in L.S. (Colby, Columbia), Associate Professor of Bibliography. Associate Librarian.
45 Winter Street
- JANET MARCHANT, M.A. (Columbia), Associate Professor of Health and Physical Education.
10 Bartlett Street
- RICHARD CARY, Ph.D. (New York University, Cornell), Associate Professor of English. Curator of Rare Books and Manuscripts.
31 Highland Avenue
- WALTER HENRY ZUKOWSKI, Ph.D. (Clark), Associate Professor of Business Administration.
Cherry Hill Drive
- HENRY HOLLAND, Ph.D. (Maine, Harvard, Madrid), Associate Professor of Modern Languages.
Cherry Hill Drive
- PAUL EWERS MACHEMER, Ph.D. (Princeton, Pennsylvania), Associate Professor of Chemistry.
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- FRANCES FENN SEAMAN (Mrs.), B.Mus. (Oberlin), Associate Professor. Dean of Women.
37 Highland Avenue
- JOHN REDMOND MCKENNA, B.A., B.L.S. (Queen's University, McGill), Associate Professor of Bibliography. Librarian.
122 Mayflower Hill Drive
- DENTON WINSLOW CROCKER, Ph.D. (Northeastern, Cornell), Associate Professor of Biology.
13 Pleasantdale Avenue

¹HAROLD BRADFORD RAYMOND, Ph.D. (Black Mountain, Harvard), Associate Professor of History.

3 Nudd Street

PETER JOSEPH RE, M.A. (Yale, Columbia), Associate Professor of Music.
R.F.D. No. 1, Belgrade

ROBERT EVERETT REUMAN, Ph.D. (Middlebury, Pennsylvania), Associate Professor of Philosophy.

Marston Road

¹JOHN HALE SUTHERLAND, Ph.D. (Swarthmore, Pennsylvania), Associate Professor of English.

R.F.D. No. 1, Belgrade

ARTHUR SAMUEL FAIRLEY, Ph.D. (Amherst, Princeton), Associate Professor of Physics.

16 Bartlett Street

²HENRY OTTO SCHMIDT, M.A. (Ursinus, Pennsylvania), Assistant Professor of Modern Languages.

20 College Avenue

²JAMES MACKINNON GILLESPIE, M.A. (Harvard), Assistant Professor of Psychology.

Pepper Hall

²CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh), Assistant Professor of History.

Cherry Hill Drive

WILLIAM ALEXANDER MACOMBER, B.A. (Colby), Assistant Professor. Director of Adult Education and Extension. Director of Roberts Union.

JOHN WORDE WINKIN, JR., M.A. (Duke, Columbia), Assistant Professor of Health and Physical Education.

Robins Hall

EARLE ALTON MCKEEN, M.Ed. (Colby, Maine), Assistant Professor. Director of Placement.

3 Cedar Street

WILLIAM LAFRENTZ BRYAN, B.A. (Colby), Assistant Professor. Director of Admissions.

R.F.D. No. 1, Fairfield

¹ On leave, second semester, 1959-60.

² On leave, 1959-60.

- REBECCA CHESTER LARSEN (Mrs.), M.A. (Colby, Western Reserve),
Assistant Professor. Recorder.
2 West Court
- ROBERT EDWARD CLIFFORD, B.A. (Colorado Western), Assistant Pro-
fessor of Health and Physical Education.
15 Lloyd Road
- ROBERT FRANCIS BARLOW, M.A. (Colby, Fletcher), Assistant Professor
of Economics.
11 Brescia Court
- COLIN EDWARD MacKAY, Ph.D. (Brown), Assistant Professor of English.
17 Winchester Street, Fairfield
- EMILY FRANCES BRADY, M.A. (Syracuse, Columbia, Havana, Chile,
Brazil), Assistant Professor of Modern Languages. Director of
Runnals Union.
- JOHN JOSEPH IORIO, M.A. (Columbia), Assistant Professor of English.
River Road
- FREDERICK ARTHUR GEIB, M.A. (New Hampshire, Brown), Assistant
Professor of Sociology.
34 Highland Avenue
- JOHN HENRY KELLEY, B.S. (Boston University), Assistant Professor of
Health and Physical Education.
Waterville Road, Oakland
- WILLIAM BLACKALL MILLER, M.A. (Harvard, Columbia), Assistant Pro-
fessor of Fine Arts.
Mount Merici Avenue
- RICHARD RALPH MAYERS, M.A. (Dartmouth, Wesleyan), Assistant Pro-
fessor of Physics.
35 Pleasant Street
- IRVING DAVID SUSS, Ph.D. (North Carolina, Columbia), Assistant Pro-
fessor of Dramatics in the Department of English.
6 Park Place
- CHARLES F. HICKOX, JR., Ph.D. (Harvard, Columbia, Yale), Assistant
Professor of Geology.
48 Johnson Heights
- PAUL JONATHAN LIMM, B.A. (Harvard) (Captain, USAF), Assistant
Professor of Air Science.
41 Violette Avenue
- WILLIAM DAVID RENNER, B.A. (Dartmouth) (Captain, USAF), As-
sistant Professor of Air Science.
15 Johnson Heights

DAVID GORDON BRIDGMAN, Ph.D. (Yale, Wisconsin, Harvard), Assistant Professor of History.

Rice's Rips Road

GUSTAVE HERMAN TODRANK, Ph.D. (DePauw, Boston University), Assistant Professor of Philosophy and Religion.

38 Pleasant Street

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

9 Lawrence Street

RALPH WILLIAM FELGER, M.B.A., M.S. (Whitworth, Denver, Trinity University [Texas]) (Captain, USAF), Assistant Professor of Air Science.

124 Western Avenue

MARJORIE DUFFY BITHER (Mrs.), B.S. (Simmons), Assistant Professor of Health and Physical Education.

30 Morrill Avenue

DONALD SYLVESTER ROTHCHILD, Ph.D. (Kenyon, California, Johns Hopkins), Assistant Professor of Government.

63 Johnson Heights

JOSEPH BERNARD YOKELSON, M.A. (Brown), Assistant Professor of English.

Second Rangeway

WILLIAM AUGUST STARKER, B.S. (University of Arizona) (Major, USAF), Assistant Professor of Air Science.

23 Winter Street

¹PAUL POWERS PEREZ, Ph.D. (Columbia, New York University), Visiting Assistant Professor of Psychology.

Pittston

²HOWARD RAWSON WHITE, Ph.D. (Buffalo, Iowa), Visiting Assistant Professor of Psychology.

39 Green Street, Augusta

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

2 Lawrence Street

FRANCISCO ANTONIO CAUZ, M.A. (Villanova, Middlebury), Instructor in Modern Languages.

313 Main Street

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

18 Lloyd Road

¹ Second semester, 1959-60.

² First semester, 1959-60.

- JONAS OETTINGER ROSENTHAL, M.A. (Swarthmore, North Carolina), Instructor in Sociology.
5 Johnson Avenue
- MAURICE F. BROWN, JR., Ph.D. (Lawrence, Harvard), Instructor in English.
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72 High Street
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15 Hillcrest Avenue
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23 Boutelle Avenue
- FAITH GULICK, M.A. (Connecticut College, Mills), Instructor in the Dance in the Department of Health and Physical Education.
40 Pleasant Street
- DONALD LEROY GUSS, M.A. (City College of New York, Columbia, Wisconsin), Instructor in English.
15½ College Avenue
- GEORGE HARJAN, M.A. (University of Graz, California), Instructor in Modern Languages.
Elmwood Hotel
- YEAGER HUDSON, S.T.B. (Millsaps, Boston University), Instructor in Philosophy.
20 College Avenue
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Lu-Pay Apartments, Main Street

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Small Hall
- JANIS LOUISE PALLISTER, M.A. (Minnesota, Wisconsin), Instructor in
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2 Lawrence Street
- RAYMOND CLARENCE PHILLIPS, JR., M.A. (Dickinson, Columbia), In-
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2 Elm Street
- ¹HARRIET DOROTHY ROTHSCHILD, Ph.D. (Wellesley, Maryland, Columbia),
Instructor in Modern Languages.
174 Silver Street
- JANE KING SHERWIN, M.A. (Rockford, Middlebury), Instructor in
Modern Languages.
19 Temple Court
- ¹JOHN WENTWORTH STRONG, M.A. (Colby, Boston University), Instructor
in History.
5 Nash Street
- MELVIN JAY TUCKER, M.A. (Massachusetts, Northwestern), Instructor in
History.
East Vassalboro
- NOEL CLAIRE WHEELER, M.S. (Ohio State), Instructor in Mathematics.
18 Lloyd Road

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- MURIEL BRIGGS AUSTIN (Mrs.), B.A. (Colby), Assistant in Geology.
271 Main Street
- JULIA WINIFRED KIERSTEAD (Mrs.), B.A. (Maine), Special Assistant for
Developmental Reading.
27½ Burleigh Street
- ELIZABETH CHALMERS TODRANK (Mrs.), M. Ed. (Wellesley, Boston
University), Special Assistant for Developmental Reading.
38 Pleasant Street

¹ Second semester, 1959-60.

VISITING PROFESSORS IN SPECIAL PROGRAMS

FREDERICK THAYER HILL, M.D., Sc.D., Visiting Professor of Otolaryngology.

11 Dalton Street

RAYMOND PATON SLOAN, L.H.D., Visiting Professor of Hospital Administration.

36 East 70th Street, New York City

JOSEPH SATALOFF, M.D., Visiting Professor of Otology.

1721 Pine Street, Philadelphia, Pennsylvania

PARKER HEATH, M.D., Visiting Professor of Ophthalmology.

Sullivan

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

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ADMISSIONS: Dean Strider; President Bixler; Vice-President Williams; Deans Nickerson and Seaman; Professors Birge (1960), Kellenberger¹ (1961), and Benbow (1962); Director of Admissions, Mr. Bryan, and Director of Placement, Mr. McKeen.

ADULT EDUCATION: Dean Strider; Professors Cary, Iorio, Miller, Re, N. Smith, Winkin, and Director of Adult Education, Mr. Macomber.

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

ATHLETICS: Professors Biron, Geib, Loeb, Koons, and L. Williams.

BOOK OF THE YEAR: Professors Bridgman, Iorio, Limm, McKenna, L. Zukowski, and Mr. Brown.

COMMENCEMENT: Professor Loeb; Vice-President Williams; Professors E. Comporetti, Mayers, McKenna, Millett, G. Smith, Suss, Witham; Messrs. Madison and Simpson; Director of Public Relations, Mr. Dyer; Superintendent of Buildings and Grounds, Mr. Whalon; Director of Food Services, Miss Nichols; a senior man and a senior woman.

EDUCATIONAL POLICY: Dean Strider; Professors Carpenter, Johnson, Raymond (1960); Benbow, Birge, Combellack (1961); Reuman, Scott, E. Strong (1962).

¹ Professor Johnson replacing Professor Kellenberger, second semester, 1959-60.

EXAMINATIONS AND SCHEDULE: Professors Gillum, Breckenridge, E. Comparetti, MacKay, Terry, L. Williams, W. Zukowski, Miss Curran, and Director of Schedule, Professor McCoy.

FACULTY RESEARCH, TRAVEL, AND SABBATICALS: Dean Strider; Vice-President Williams; Professors Allen, Carpenter, Clark, Reid, Scott.

FINANCIAL AID: Director of Placement, Mr. McKeen; President Bixler; Vice-President Williams; Deans Nickerson and Seaman; Treasurer, Professor Seepe; Director of Admissions, Mr. Bryan; Professors Breckenridge (1960), Reuman (1961), Crocker (1962), and Todrank (1962).

FOREIGN STUDENTS AND FOREIGN STUDY: Professor Strong; Deans Strider, Nickerson, Seaman; Professors Allen, Barlow, Holland, Kellenberger, G. Smith, Mr. Cauz.

FRESHMAN WEEK: Assistant to Director of Admissions, Mr. Gemery; Deans Strider, Nickerson, Seaman; Treasurer, Professor Seepe; Director of Admissions, Mr. Bryan; Director of Placement, Mr. McKeen; Director of Roberts Union, Mr. Macomber; Recorder, Mrs. Larsen; Director of Food Services, Miss Nichols; Professors Loeb, McCoy, Marchant, Re, Winkin, and Mr. Rosenthal.

GRADUATE SCHOLARSHIPS: College Historian, Professor Marriner; Dean Strider; Professors P. Bither, Brady, Machemer, Pullen, Raymond, and Mr. Schiller.

HONORARY DEGREES: Professors Chapman, Holland, Millett, Reid, Suss, and L. Zukowski.

LIBRARY AND BOOKSTORE: Professors Allen, Rothchild, Sutherland, Terry, Yokelson, and W. Zukowski; Treasurer, Professor Seepe; Librarian, Professor McKenna, and Associate Librarian, Professor Libbey.

PLANNING: President Bixler; Dean Strider; Vice-President Williams; Vice-President for Development, Mr. Turner; Deans Nickerson and Seaman; Alumni Secretary, Professor Millett; Director of Public Relations, Mr. Dyer; Professors Chapman, Combella, and Pullen.

PROFESSIONAL PREPARATION: Ex officio members: Deans Strider, Nickerson, Seaman, and Director of Placement, Mr. McKeen.

ENGINEERING: Professors Ray, Bancroft, Combella, Limm, and Mr. Wheeler.

LEGAL: Professors Pullen, Felger, Geib, Gillum, Mavrinac, Rothchild.

MEDICAL: Professors Terry, Crocker, Machemer, Reid, Scott, Dr. Hill, and Dr. Heath.

SECONDARY SCHOOL TEACHING: Professors N. Smith, Biron, P. Bither, Hickox, Messrs. Brown, Garab, Wheeler, and Director of Placement, Mr. McKeen.

THEOLOGICAL: Director of Admissions, Mr. Bryan; Professors Kellenberger, Osborne, Todrank.

REMEMBRANCE: Professors Libbey, M. Bither, Marchant, Osborne, E. Strong.

SENIOR SCHOLARS: Professors Crocker, Cary, Bridgman, Clark, MacKay, McKenna, Miller, Sutherland.

SOCIAL: Professors Witham, M. Bither, Brady, Kelley, Renner, Mrs. Fisher, Mr. Parsons, Mr. Rosenthal.

STANDING OF STUDENTS: Professor Johnson; Deans Strider, Nickerson, Seaman; Recorder, Mrs. Larsen; Professors Chapman, Koons, Loeb.

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DEAN OF THE FACULTY, Robert Edward Lee Strider, II, 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.

DEAN OF MEN, George Thomas Nickerson, M.A.

DEAN OF WOMEN, Frances Fenn Seaman (Mrs.), B. Mus.

HISTORIAN, Ernest Cummings Marriner, L.H.D.

CHAPLAIN, Clifford Hazeldine Osborne, D.D.

LIBRARIAN, John Redmond McKenna, B.L.S.

CURATOR OF RARE BOOKS AND MANUSCRIPTS, Richard Cary, Ph.D.

ASSISTANT TO THE PRESIDENT FOR DEVELOPMENT, Edwin Allan Lightner, M.A.

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DIRECTOR OF SCHEDULE, John Franklin McCoy, M.A.

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ALUMNI SECRETARY, Ellsworth Willis Millett, M.A.

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Goldie B. Brawn (Mrs.), Secretary in the Admissions Office

Ruth Moore Brown (Mrs.), B.A., Assistant to the Alumni Secretary

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Mildred A. Keller (Mrs.), B.A., Secretary to the Dean of the Faculty

Mabel Lancaster, Mailing Clerk

Malvina Libby (Mrs.), Information and Telephone Service

Sandra W. Light (Mrs.), Secretary to Director of Placement

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 Yvette G. Roy, Secretary, Development Council
 Helen Muller Smith (Mrs.), Secretary to the President
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 Frances Elizabeth Thayer, B.A., Assistant to the Dean of Women
 Patricia Thompson (Mrs.), B.A., Secretary, Bixler Art and Music Center
 Mildred S. Vaughan (Mrs.), Faculty Secretary, Lovejoy Building
 Elizabeth Eleanor Warren (Mrs.), Secretary to the Administrative Vice-
 President
 Christine Arlene Woodbury, Secretary to the Dean of Men

LIBRARY STAFF

Kenneth Pond Blake, Jr., M.A., M.S., Readers' Services Librarian
 Janice Anita Crowell, Clerical Assistant
 Doris L. Datsis (Mrs.), Circulation Assistant
 Frances Elizabeth Diggs, Reference Assistant
 Dorothea Elizabeth Marchetti, Circulation Assistant
 R. Webb Noyes, M.S., Classifier
 Inez W. Noyes (Mrs.), B.A., Catalog Librarian
 Dorothy C. Parker (Mrs.), Clerical Assistant
 Urania A. Pomerleau (Mrs.), Clerical Assistant
 Earla Brown Robertson (Mrs.), Secretary to the Librarian
 Morris Schertz, M.L.S., Catalog Librarian of Special Collections

RESIDENCE STAFF

Hilda Ellen Ames (Mrs.), House Mother, Alpha Tau Omega Fraternity
 Hazle H. Bassett (Mrs.), Head Resident, Foss Hall
 Gladys Ruth Balkam (Mrs.), House Mother, Phi Delta Tau Fraternity
 Evelyn Dickey (Mrs.), House Mother, Lambda Chi Alpha Fraternity
 Florence N. Hamilton (Mrs.), Head Resident, Woodman Hall
 Dorothy Gertrude Judkins (Mrs.), House Mother, Zeta Psi Fraternity
 James Madison, M.B.A., Head Resident, Small Hall
 Eva Macomber Kyes (Mrs.), A.B., Head Resident, Louise Coburn Hall
 Ruth B. Rich (Mrs.), B.A., House Mother, Tau Delta Phi Fraternity
 Elizabeth Augusta Towle (Mrs.), House Mother, Delta Kappa Epsilon
 Fraternity
 Harriette W. Webster (Mrs.), Head Resident, Mary Low Hall
 Marion Dodge Whitehead (Mrs.), House Mother, Delta Upsilon Fraternity
 John Worde Winkin, Jr., M.A., Head Resident, Robins Hall

DIETARY STAFF

Lydia Briggs, B.S., Assistant Dietitian
Inza Taylor Foster (Mrs.), Relief and Catering Assistant
L. Muriel Tripp, B.S., Assistant Dietitian

MEDICAL STAFF

Clarence E. Dore, M.D., College Physician
John F. Reynolds, M.D., Consultant in Surgery
Carl E. Nelson, B.S., Athletic Trainer
Susan McGraw Fortune (Mrs.), B.S., R.N., Head Nurse

Nurses:

Rose Bilodeau (Mrs.), R.N.
Maureen Richards (Mrs.), R.N.
Mary Turbyne (Mrs.), R.N.
Ruth Williams (Mrs.), R.N.
Alice K. Witham (Mrs.), R.N.

MAINTENANCE STAFF**Department Heads**

Ansel Albert Grindall, General Foreman
George John Mitchell, Sanitation Foreman
Claude Chase Taylor, Heating Foreman
Daniel Richard MacKnight, Electrician

**INTERVIEWERS FOR THE
ADMISSIONS OFFICE**

CALIFORNIA*Fresno*

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

Mather Air Force Base

Mrs. David B. Morse, Jr.
(Deborah Brush), '52
129 Kurtz Way

Menlo Park

Mr. Willard Wyman, '56
Menlo School and College

CONNECTICUT*Fairfield*

Mr. Charles R. Anderson, '53
218 Stevenson Road
Miss Joanne C. Raffay, '57
111 Lloyd Drive
Mr. Wilford D. Whiteley, '51
173 Puritan Road

Greenwich

Miss Miriam Hardy, '22
26 Lexington Ave.

Lakeville

Mr. Arthur White, '52
Hotchkiss School

New Haven

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

New London

Mr. David W. H. Harvey, '53
15 Glenwood Place

Stamford

Dr. Ward W. Tracy, '54
48 Hoyt Street

Waterbury

Miss Dorothy M. Crawford, '22
25 Adelaide Avenue

Watertown

Mr. E. Robert Bruce, '40
58 Longview Avenue

West Hartford

Mr. Clayton W. Johnson, '25
58 West Beacon Street

DISTRICT OF COLUMBIA*Washington*

Mrs. Roderick M. Engert
(Jane Soule), '42
3725 Macomb Street, N.W.
Dean William B. West, '19
Big Brothers of D.C.
412 Fifth Street, N.W.

ILLINOIS*Evanston*

Dr. Oscar M. Chute, '29
1606 Colfax Street

MARYLAND*Chevy Chase*

Mrs. George C. Spiegel
(Betty Ann Royal), '42
8803 Clifford Ave.

MASSACHUSETTS*Amherst*

Mr. C. Arthur Eddy, '54
425 South Pleasant St.

Mrs. C. Arthur Eddy
(Miss Barbara J. Guernsey), '54
425 South Pleasant St.

Bedford

Mr. Benjamin R. Sears, '52
403 David Road

Bridgewater

Mr. Herbert W. DeVeber, '36
206 Crescent Street

Brockton

Mr. Carl R. MacPherson, '26
Brockton High School

Brookline

Mr. Edward G. Merrill, '25
Brookline High School

Cochituate

Mrs. Joel H. Harris
(Eleanor J. Shorey), '57
4 Richard Road

Mrs. Alton W. Lamont, Jr.
(Joan C. Martin), '52
26 Oak Street

Concord

Clifford A. Bean, '51
17 Monsen Road

Haverhill

Miss Edith E. Emery, '37
59 Chandler Street

Lawrence

Mr. Leonard W. Grant, '15
216 Saratoga Street

Melrose

Mr. John T. King, II
9 Harding Road

Milton

Mr. Arthur J. Brimstine, '21
70 Plymouth Avenue

Newtonville

Mr. Howard L. Ferguson, '31
133 Lowell Ave.

North Andover

Mrs. Douglas B. Allen
(Elizabeth Swanton), '33
37 Bradstreet Road

Somerset

Mr. Arthur Marchand, '55
146 County Street

Springfield

Mr. U. Cleal Cowing, '27
369 Tremont Street

Stoneham

Major John P. English
37 Maple Street

Ware

Mr. Charles A. Pearce, '49
112 Church Street

Worcester

Mr. L. Russell Blanchard, '38
41 Chevy Chase Road

Mr. Clifford H. Littlefield, '26
Worcester Academy

MICHIGAN

Ann Arbor

Mr. Anthony A. Yanuchi, '54
2158 Northwood, Apt. 3

Flint

Mrs. Franklin P. Bennett
(Florence Young), '29
1101 Woodside Drive

MINNESOTA

Minneapolis

Mr. Lew C. Church, '02
1020 Rand Tower

NEW HAMPSHIRE

Nashua

Mr. C. Wallace Lawrence, '17
92 Amherst Street

North Haverhill

Mr. A. Frank Stiegler, Jr., '28
North Haverhill

NEW JERSEY

Englewood

Mrs. John W. Taussig, Jr.
(Ann Jennings), '49
216 South Dwight Place

Fanwood

Mrs. William D. Odell
(Mary A. Burrison), '48
211 N. Martine Avenue

Hackensack

Mrs. Arthur W. Gatenby
(Eleanor G. Gray), '57
976 Main Street

- Kinnelon*
 Mr. George B. Laffey, Jr., '52
 Birch Road
 Mrs. George B. Laffey, Jr.
 (Elizabeth Winkler), '53
 Birch Road
- Madison*
 Mr. Charles R. DeBevoise, '48
 43 Crescent Road
- Morristown*
 Mr. Roy V. Shorey, Jr.
 7 Albert Avenue
- Old Bridge*
 Mrs. Richard L. Hampton
 (Jean Hahlbohm), '55
 46 Margaret Street
- Westfield*
 Mr. Raymond S. Grant, '25
 721 Crescent Parkway
- Westmont*
 Mrs. Robert A. Conover
 (Nancy J. Moyer), '54
 301 Cooper Street
- NEW YORK**
- Albany*
 Mr. William M. Harriman, '17
 161 Manning Boulevard
 Mr. Kenneth Van Praag, '55
 #51-1917 Central Avenue
- Buffalo*
 Mrs. Spencer E. Hickman
 (Margaret Wilkins), '18
 Buffalo Seminary
 205 Bidwell Parkway
- DeWitt*
 Mr. Donald M. Butcher, '44
 Box 255
- Fairport*
 Mr. Ormande Brown, '51
 97 Dewey Ave.
- Mrs. Pieter Punt
 (Beryl H. Baldwin), '53
 15 Ward Lane
- Long Island, New York*
 Mr. Kenneth C. Dolbeare, '22
 St. Paul's School
 Garden City
 Miss Ann F. Rossiter, '52
 6 Wood Lane
 Locust Valley
 Mr. M. Colby Tibbetts, '45
 15 Ridge Circle
 Manhasset
 Mr. Robert N. Wulfing, '53
 19 Revere Street
 Rockville Centre
 Mrs. Robert N. Wulfing
 19 Revere Street
 Rockville Centre
- New York City*
 Miss Patricia Bain, '50
 The Clara Laughlin Travel
 Services, Inc.
 667 Madison Ave.
 Miss Janice W. Holland, '54
 317 East 51st Street
 Miss Marilyn P. Perkins, '57
 378 Bleecker Street
 Mr. Patterson M. Small, '47
 Manager, Bachrach Studios
 48 E. 50th Street
 Mr. Richard B. Tupper, '52
 521 East 14th Street
- Peekskill*
 Mr. Merton E. Lavery, '23
 Peekskill Military Academy
- Rochester*
 Dr. Libby Pulsifer, '21
 16 North Goodman Street
- Scarsdale*
 Mr. Karl Decker, '54
 178 Old Wilmot Road

Mrs. Karl Decker
(Merrilyn A. Healy), '54
178 Old Wilmot Road

Snyder

Miss Susan Campbell, '52
113 Meadowstream Drive

Yonkers

Mrs. H. Anthony Homet
(Barbara J. Klein), '57
51 Mohegan Village

OHIO

Columbus

Professor Norman D. Lattin, '18
Ohio State University

Hamilton

Mr. Ellis F. Parmenter, '26
439 Marcia Ave.

Kent

Professor Lawrence S. Kaplan, '47
Department of History
Kent State University

South Euclid

Mr. Earl S. Bosworth, Jr., '49
1001 Argonne Road

PENNSYLVANIA

Philadelphia

Mr. Douglas P. Chaloult, '53
9312 Crispin Street
Mr. Richard B. Beal, '51
c/o N. W. Ayer & Sons
W. Washington Square

Mr. Chester D. Harrington, Jr., '51
c/o N. W. Ayer & Sons
W. Washington Square

Pittsburgh

Mrs. Bay E. Estes, Jr.
(Ruth E. Stubbs), '34
812 Elm Spring Road

RHODE ISLAND

Cranston

Mr. Norval E. Garnett, '51
67 Dellwood Road

Mrs. Norval E. Garnett
(Norma Bergquist), '52
67 Dellwood Road

East Greenwich

Mr. Robert E. Cannell, '51
100 Phillips Road

Providence

Mr. Wayne W. McNally, '21
64 Larch Street

VERMONT

St. Johnsbury

Mr. Donald M. Jacobs, '50
St. Johnsbury Academy

VIRGINIA

Falls Church

Mr. Ernest J. Roderick, '36
1407 Timber Lane

Richmond

Mrs. Andrew T. Murphy, Jr.
(Virginia Falkenbury), '53
3401 Brook Road

ENROLLMENT BY STATES AND COUNTRIES

Classified according to
geographical locations of students' homes

	<i>Total</i>	<i>Men</i>	<i>Women</i>
ALL AREAS	1168	692	476
NEW ENGLAND	807	471	336
Connecticut	274	114	160
Maine	206	99	107
Massachusetts	343	210	133
New Hampshire	45	25	20
Rhode Island	24	16	8
Vermont	15	7	8
OUTSIDE NEW ENGLAND	333	203	130
California	5	2	3
Colorado	1	—	1
Delaware	4	1	3
District of Columbia	4	—	4
Florida	4	4	—
Illinois	10	5	5
Indiana	2	2	—
Louisiana	1	1	—
Maryland	7	3	4
Michigan	2	1	1
Minnesota	1	—	1
Nevada	1	1	—
North Carolina	2	1	1
South Carolina	1	1	—
New Jersey	75	48	27
New York	155	99	56
Ohio	12	10	2
Oregon	1	1	—
Pennsylvania	36	20	16
Texas	3	1	2
Virginia	4	2	2
Washington	2	—	2

	<i>Total</i>	<i>Men</i>	<i>Women</i>
OUTSIDE THE UNITED STATES	28	18	10
Afghanistan	1	—	1
Brazil	1	1	—
Bermuda	1	1	—
Canada	4	3	1
Cuba	1	1	—
Cyprus	1	1	—
Finland	1	1	—
France	2	1	1
Great Britain	2	2	—
Greece	1	—	1
Hawaii	1	—	1
Hong Kong	1	1	—
Italy	1	—	1
Malaya	1	—	1
Nicaragua	1	—	1
Saudia Arabia	1	—	1
Sweden	1	1	—
Thailand	3	2	1
Venezuela	2	2	—
Virgin Islands	1	1	—

SCHOLARSHIP AND FINANCIAL AID FUNDS

The following is a list of the Scholarship and Financial Aid Funds of the College, as of March 1, 1960, the income of which is available for scholarships and other forms of student aid.

UNRESTRICTED FUNDS

Ada E. Andrews	\$ 700.00
Samuel Appleton	1,000.00
Leah S. Averill Memorial	1,500.00
Augusta Baptist Church	675.00
Adelaide P. Potter Bailey	3,000.00
Rinda A. Baker	1,000.00
Mary E. and S. Ophelia Ball	5,028.75
William Barron	850.00
Francis F. Bartlett	15,655.00
Frank L. Besse	25,832.05
John Bickmore	600.00
James G. Bolles	600.00
G. W. Bosworth	1,000.00
Timothy Boutelle	1,000.00
Frederick F. Brewster	7,000.00
Geraldine Brewster	4,342.52
Brunswick Baptist Church	566.25
Butler and Inman	935.00
Buxton Baptist Church	405.00
Alex Campbell & Co.	600.00
James A. and Mary A. Champlin	122,839.61
Class of 1888	1,371.59
Lemuel Cobb	700.00
A. and P. Coburn	1,000.00
Eleazer Coburn	600.00
J. H. Converse	750.00
Fannie H. Cornish	3,062.12
Leslie C. Cornish	1,117.88
John H. Counce	600.00
Charles Cushing	1,000.00
Damariscotta Baptist Church	725.00
Isaac Davis	1,000.00
H. V. Dexter	755.00
Arthur Drinkwater	600.00
East Corinth Baptist Church	935.00
East Winthrop Baptist Church	600.00

J. S. Eaton	\$ 1,000.00
Hannah E. Starbird Fall	1,594.42
Fayette Baptist Church	200.00
First Baptist Church, Bangor	630.00
H. G. Foss	2,526.77
Paul Fullam Scholarship Fund	1,343.88
George Erastus Garland	10,751.94
Moses Giddings	2,000.00
Gloucester Baptist Church	510.00
G. C. Goodwin and B. F. Bradbury	800.00
Herbert Lee Gray Memorial	1,533.11
Great Falls Baptist Church	443.00
Greenough Patriot	1,000.00
Byron Greenough	4,000.00
Dana W. Hall	4,084.57
Austin Hall and Edwin Flye Scholarship Fund	600.00
Hallowell Baptist Church	615.00
Hannibal Hamlin	1,000.00
Zenas P. Hanson	5,000.00
Harrington Baptist Church	434.00
H. B. and H. M. Hart	1,000.00
F. S. Hesseltine	500.00
Edward H. Haskell	10,000.00
Aaron Healy	1,000.00
Asher C. Hinds Scholarship Fund	34,237.80
Susan L. Hoag	1,500.00
William Howe	2,000.00
Chapin Humphrey	1,200.00
Franklin W. Johnson Financial Aid	66,040.70
Professor and Mrs. Werner Josten	10,049.38
King Family, Calais	750.00
Chester W. Kingsley	1,000.00
George Knox	495.00
Liberty Baptist Church	500.00
Livermore Falls Baptist Church	260.00
Belle Burford Lorimer	2,026.02
Moses Lyford	1,000.00
Henry Manser	634.56
Edwin W. McGowan, Jr. Memorial	3,000.00
Franklin Merriam	600.00
J. Warren Merrill	1,200.00
Merrill Lynch, Pierce, Fenner & Beane	6,500.00
Charles E. Merrill	10,000.00
B. D. Metcalf	1,000.00

FINANCIAL AID

147

D. L. Milliken	\$ 600.00
Mount Vernon Baptist Church	543.00
Alice Pierce Norris	5,000.00
Samuel J. Nowell	4,552.50
Joshua Nye	1,000.00
William Pitt Oakes	25,000.00
Paris Baptist Church	400.00
Hattie May Parmenter	1,500.00
Horace Wellington Parmenter	1,500.00
Mary Elizabeth Parmenter	1,500.00
G. D. B. Pepper	200.00
A. W. Perry	1,168.83
Pevear & Co.	1,000.00
William and Almira Pierce	1,000.00
J. M. Pollard	600.00
C. G. Porter	1,000.00
Portland First Baptist Church	500.00
Fred M. Preble	3,000.00
President's	1,000.00
William and Ellen Purington	1,000.00
Resler Foundation	3,000.00
Wm. T. Richardson	1,000.00
Joseph Ricker	600.00
Ada L. Roberts	1,407.31
Henry E. Robins	1,063.41
T. B. Robinson	600.00
John Rounds	600.00
Abraham Sanborn	5,000.00
Melvin E. Sawtelle	1,500.00
Second Bangor Baptist Church	526.00
Sedgwick Baptist Church	460.00
Wm. H. Shailer	600.00
Wm. K. Skolfield	600.00
A. K. P. Small	865.00
Edwin Sumner Small	4,000.00
Abram Snyder	4,689.36
Harriet Snyder	4,696.89
South Berwick Baptist Church	104.00
J. I. Stevens	1,000.00
Stickney-Stackpole Memorial	1,614.29
Sumner and Hartford Baptist Church	406.00
Joel B. Thayer	600.00
Thomaston Second Baptist Church	300.00
Arad Thompson	6,200.00

Topsham Baptist Church	\$ 300.00
James E. Totman	10,000.00
Sarah P. Trask and Amy E. Phoenix	3,000.00
Harry E. Umphrey	13,100.00
Herbert E. Wadsworth	3,110.57
Warren Church	640.00
Myra Fuller Weld	1,500.00
J. C. White	600.00
Adam Wilson	1,000.00
Thomas Wilson	1,000.00
William Wilson	600.00
N. M. Wood	300.00
Yarmouth Baptist Church	601.00
Total Scholarship and Financial Aid Funds — Unrestricted \$	535,754.08

RESTRICTION OR PREFERENCE FUNDS

W. Harrison Alden	\$ 1,000.00
Harold Alford Family	20,000.00
Alpha Tau Omega	425.11
Kate J. Anthony	32,230.05
Arthur Everett Barter	7,500.00
Frank L. Besse	10,132.06
William Bingham 2nd	5,000.00
Bloomfield Baptist Church	656.00
Mildred I. Buker	3,000.00
Frederick Camp Scholarship Fund	5,405.07
Class of 1879	1,006.96
Clio M. Chilcott	1,000.00
Colby Foreign Mission	2,234.03
Gardner Colby	20,000.00
Leslie C. Cornish	1,000.00
Cummings Family	5,000.00
E. R. Drummond	1,031.89
Reuben W. Dunn	5,066.03
Emma Jane Eaton	11,875.92
Adelaide True Ellery	2,500.00
Cora Robinson Fenn	2,500.00
Fort Halifax Packing Financial Aid Fund	2,193.30
Elizabeth B. Foster	1,317.28
Ella Somerville Foster	1,000.00
George C. Frye	5,000.00

Emery Gibbs	\$ 5,000.00
Martha M. Gibbs	3,000.00
J. Manchester Haynes	25,000.00
M. S. Heath Scholarship	10,121.20
George Bassett Howard	1,000.00
Ilsley Memorial	1,000.00
Hilda Libby Ives	10,000.00
Martin L. Kyes	5,366.69
Charles Potter Kling	50,869.21
Knox	1,614.10
Percy S. Merrill	41,036.77
Georgia May Miller	62,503.29
Ellsworth W. Millett Financial Aid Fund	5,055.00
Charles A. and Emily Q. Moores	1,101.66
Silas Rutillus Morse	15,129.63
George E. Murray	1,594.42
Mr. and Mrs. George H. Nowell	2,116.57
Governor Llewellyn Powers	19,000.00
Henry H. Putnam	1,527.80
Arthur J. Roberts	3,403.55
Ninetta Runnals	1,252.17
Waldo B. and Marion P. Russell	333.34
Charles F. T. Seaverns	1,100.00
Charles Coburn Smith	2,464.26
James G. Spaulding	2,026.14
John Francis Sprague	1,853.37
Chester H. Sturtevant	5,000.00
William Franklin Watson	5,140.00
Bond Edward Wheelwright Scholarship Fund	16,265.00
Burton H. Winslow	2,135.97
Eleanora S. Woodman	231,035.62
Jacob Ziskind	5,000.00
<hr/>	
Total Scholarship and Financial Aid Funds with Restriction or Preference	\$ 687,119.56
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Total Scholarship and Financial Aid Funds	\$ 1,222,873.64
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**DEGREES AWARDED
COMMENCEMENT
MONDAY, JUNE 8, 1959**

**BACHELOR OF ARTS
MEN'S DIVISION**

Thaddeus Garner Alwyn	Scarsdale, N. Y.
Stanley Richard Armstrong, Jr.	Chelmsford, Mass.
Burney Keeton Arnett, Jr.	Wayne, Pa.
Robert William Auriemma	West New York, N. J.
Thomas Roger Bailey	Bangor
William Robert Barnett	Holyoke, Mass.
Alden Converse Belcher	Calais, Vt.
Robert Donald Bickford	Oakland
Norman David Bloom	New Haven, Conn.
Charles Gamble Boehm	Camden
Frederick Howes Brace	Belfast
Robert Edward Brolli	Montclair, N. J.
John Kennedy Brooks	Newton, Mass.
Mark Thomas Brown	Waltham, Mass.
Robert James Bruce	Brookline, Mass.
John Franklin Church, Jr.	Dayton, Ohio
Philip Dwight Colburn	Newton, Mass.
Leslie Robert Colitt	White Plains, N. Y.
Thomas Wheeler Colman	Milwaukee, Wis.
Thomas Neel Connors	Cheshire, Conn.
Richard Charles Cummings	Lewiston
Parmely Martin Daniels	Arlington, Va.
Laurence Stanley Douglas	Augusta
Paul Cook Downing, Jr.	Cedarhurst, N. Y.
Latimer Ballou Eddy	Wellesley, Mass.
Michael Francis Farren	Swampscott, Mass.
Michael Joseph Ferber	Flushing, N. Y.
John Clarke Ferrie	White Plains, N. Y.
William Curtis Foehl	Williamstown, Mass.
Charles Joseph Foley, Jr.	Boston, Mass.
Donald Stanley Freeman	Waterville
Alfred Joseph Gengras, III	West Hartford, Conn.
John Vanderveer Gibson	Bay Shore, N. Y.
Gary Thayer Gilbert	Revere, Mass.
Edward Richard Goldberg	Newton Centre, Mass.
Arthur Eduard Goldschmidt, Jr.	New York, N. Y.

I. Michael Goodman	New York, N. Y.
Gilbert Jason Grandberg	Chestnut Hill, Mass.
Joseph Lindell Grimm, Jr.	Haddonfield, N. J.
Donald William Gunn	Suffield, Conn.
Gary Neil Hagerman	Canandaigua, N. Y.
Stephen Warner Hayes	East Pepperell, Mass.
Wilbur Frank Hayes	Newton, Mass.
Philip Henderson, Jr.	Mt. Kisco, N. Y.
Oliver Grant Hendricks, II	Mountain Lake, N. J.
Richard Albert Hunt	Fairfield
Lewis Kemp Ives	East Longmeadow, Mass.
John Francis Johnson	Brockton, Mass.
Thor Gustave Juhlin	Bronx, N. Y.
Dennis Erwin Karkos	Wilton
Robert Charles Keltie	Wellesley Hills, Mass.
Frank Fritz Knight	Brockton, Mass.
Robert William Kopchains	Union City, N. J.
Paul Roger LaVerdiere	Waterville
David Harvey Lawrence	West Groton, Mass.
Gerald Sylvan Lazarus	New York, N. Y.
Louis Leotta, Jr.	Malden, Mass.
Thomas Edward Libby	Augusta
Robert Clive Little	Newton, N. J.
Howard DeForest Lockwood, III	Cheshire, Conn.
Russell George Longley	Saxtons River, Vt.
Charles Joseph Luethke	West New York, N. J.
Gregory Watters MacArthur	Winchester, Mass.
Bruce Lindsay MacDonald	Portsmouth, N. H.
Bruce Williams McFarland	Augusta
Charles McInnis	Portsmouth, N. H.
Joseph Howard Marglin	Newton, Mass.
Stephen Markowitz	New York, N. Y.
John Holland Martin	Old Lyme, Conn.
Donald Eaton Megathlin, Jr.	Walpole, Mass.
Colby Millett Merchant	Newport
Douglas Creighton Merrick	Hartsdale, N. Y.
John Michael Metzger	Columbus, Ohio
Bruce William Montgomery	Bronx, N. Y.
Richard Bernard Morrison	Needham, Mass.
Hugh Robert Nazor	Washington, D. C.
Paul Alfred Neri	Portsmouth, N. H.
William Allen Nicholson	Windsor, Vt.
Robert Earle Nielsen	Bloomfield, Conn.
Lee Garrison Oberparleiter	Barrington, N. J.

Frederick Lawton O'Connell	Waterville
Stanley Leroy Painter, Jr.	Monmouth
Frederick Lee Panciera	West Hartford, Conn.
Russell John Peppe	East Bridgewater, Mass.
Gedeon George Picher	Waterville
Roland Choate Price	Langdon Village, N. H.
Thomas Joseph Quarrie	Hartsdale, N. Y.
Gard Paige Rand	Damariscotta
Ralph Carleton Rideout	Newton Centre, Mass.
Michael Joseph Riordan	Norwalk, Conn.
Alburton Rogan	Newton, Mass.
Richard Francis Russell, Jr.	Poughkeepsie, N. Y.
Anthony William Ruvo	Bloomfield, N. J.
Boyd August Sands	Bloomfield, N. J.
Richard Leavitt Seavey	Weston, Mass.
Merriwell Tieche Shelton, Jr.	Augusta
John Bullard Russell Shoemaker	Mahwah, N. J.
John Edwin Shore	Cincinnati, Ohio
Barry Nathan Sisk	Suffield, Conn.
Thomas Goya Skolfield	Portland
Frank William Spierling	Douglaston, N. Y.
Robert Douglas Steele	Dedham, Mass.
Dean Preston Stewart	Hinckley
Earl Phillip Stinneford	Dixfield
James Burgess Stockwell	Grosse Pointe Farms, Mich.
Robert Vinson Stone	East Falmouth, Mass.
Frederick C. Stutzmann, Jr.	Queens Village, N. Y.
David Anthony Tamaccio	West Hartford, Conn.
John Reed Thompson	Darien, Conn.
Philip Wendell Tirabassi	Portland
Irving Gene Tolette	North Haven, Conn.
Edward Joseph Tomey	Trumbull, Conn.
Daniel Wigbold van Heeckeren	The Hague, Netherlands
Johnston deForest Whitman	New York, N. Y.
William Allan Wilbur	Barberton, Ohio
Michael Dennis Wormser	Bethel, Conn.
Robert Paul Younes	Brooklyn, N. Y.

As of the Class of 1957

Wilfred Archilles Laverdiere	Dexter
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As of the Class of 1958

Kenneth Arland Houston	Waterville
James Harry Whitaker	Wellesley Hills, Mass.

WOMEN'S DIVISION

Marjorie Gray Anderson	New Rochelle, N. Y.
Corinne Ellen Batchelder	Slingerlands, N. Y.
Jacqueline Lee Bendelius	Oradell, N. J.
Marion Patricia Black	Cleveland, Ohio
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CUM LAUDE

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Daniel Wigbold van Heeckeren	Mary Virginia Camp
Erla Joyce Cleaves	Marion Frances Kimball
Susan Kahl Fetherston	

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IN PSYCHOLOGY

Barbara Ann Churchill

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Mary Virginia Camp—A Study of the Thought of Friedrich Nietzsche.

Elizabeth Ann Latham—The verse Epistle from 1590 to 1750: A Study in the Shift of Poetic Sensibility.

Mary Ranlett—The Changed Position of Scientists in the Atomic Age.

Philip Wendell Tirabassi—Similarities of Swift's *Gulliver's Travels* and Voltaire's *Candide*.

Robert Paul Younes—Attempted Synthesis of 2, 4 Dichlorophenyl Analogue to Auxin-b.

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 James Stacy Coles — *Doctor of Laws*
 Nathanael Mann Guptill — *Doctor of Divinity*
 Rolland E. Irish — *Doctor of Laws*
 Arthur T. Lougee — *Doctor of Fine Arts*
 Gilbert Holland Montague — *Doctor of Laws*
 Edward R. Murrow — *Doctor of Humane Letters*
 Fred Clark Scribner, Jr. — *Doctor of Laws*
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 Marshall Harvey Stone — *Doctor of Science*
 Eugene Paul Wigner — *Doctor of Science*
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OCTOBER 1, 1959

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| Frederick Moore Field | Weymouth, Mass. |
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| Anthony Edson Moore | Rockport, Mass. |
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| Frank Foehr Seebode | Torrance, Cal. |

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