



DENISON

UNIVERSITY
BULLETIN

CATALOG NUMBER 1953-54



DENISON

UNIVERSITY
BULLETIN
CATALOG NUMBER 1953-54





DENISON UNIVERSITY BULLETIN

Granville, Ohio

1953-54



A COLLEGE OF LIBERAL
ARTS AND SCIENCES



Founded 1831

CATALOG NUMBER
October, 1953

Volume LIII, No. 3

Published by Denison University, Granville, Ohio, four times a year in June, August, October, and November. Entered as second-class matter at the Post Office at Granville, Ohio, under the Act of August 24, 1912.

CALENDAR

1953-1954

| 1953 | 1954 |
|----------------------|----------------------|
| JULY | JANUARY |
| S M T W T F S | S M T W T F S |
| -- -- -- 1 2 3 4 | -- -- -- -- 1 2 |
| 5 6 7 8 9 10 11 | 3 4 5 6 7 8 9 |
| 12 13 14 15 16 17 18 | 10 11 12 13 14 15 16 |
| 19 20 21 22 23 24 25 | 17 18 19 20 21 22 23 |
| 26 27 28 29 30 31 | 24 25 26 27 28 29 30 |
| | 31 |
| AUGUST | FEBRUARY |
| S M T W T F S | S M T W T F S |
| -- -- -- -- 1 | -- 1 2 3 4 5 6 |
| 2 3 4 5 6 7 8 | 7 8 9 10 11 12 13 |
| 9 10 11 12 13 14 15 | 14 15 16 17 18 19 20 |
| 16 17 18 19 20 21 22 | 21 22 23 24 25 26 27 |
| 23 24 25 26 27 28 29 | 28 |
| 30 31 | |
| SEPTEMBER | MARCH |
| S M T W T F S | S M T W T F S |
| -- -- 1 2 3 4 5 | -- 1 2 3 4 5 6 |
| 6 7 8 9 10 11 12 | 7 8 9 10 11 12 13 |
| 13 14 15 16 17 18 19 | 14 15 16 17 18 19 20 |
| 20 21 22 23 24 25 26 | 21 22 23 24 25 26 27 |
| 27 28 29 30 | 28 29 30 31 |
| OCTOBER | APRIL |
| S M T W T F S | S M T W T F S |
| -- -- -- 1 2 3 | -- -- -- 1 2 3 |
| 4 5 6 7 8 9 10 | 4 5 6 7 8 9 10 |
| 11 12 13 14 15 16 17 | 11 12 13 14 15 16 17 |
| 18 19 20 21 22 23 24 | 18 19 20 21 22 23 24 |
| 25 26 27 28 29 30 31 | 25 26 27 28 29 30 |
| NOVEMBER | MAY |
| S M T W T F S | S M T W T F S |
| 1 2 3 4 5 6 7 | -- -- -- -- 1 |
| 8 9 10 11 12 13 14 | 2 3 4 5 6 7 8 |
| 15 16 17 18 19 20 21 | 9 10 11 12 13 14 15 |
| 22 23 24 25 26 27 28 | 16 17 18 19 20 21 22 |
| 29 30 | 23 24 25 26 27 28 29 |
| | 30 31 |
| DECEMBER | JUNE |
| S M T W T F S | S M T W T F S |
| -- -- 1 2 3 4 5 | -- -- 1 2 3 4 5 |
| 6 7 8 9 10 11 12 | 6 7 8 9 10 11 12 |
| 13 14 15 16 17 18 19 | 13 14 15 16 17 18 19 |
| 20 21 22 23 24 25 26 | 20 21 22 23 24 25 26 |
| 27 28 29 30 31 | 27 28 29 30 |

1953

FIRST SEMESTER

New Student Days, Sunday-Friday,
September 13-18
Registration Day, Friday, September 18
Classes begin Monday, September 21
Thanksgiving Vacation begins
Wednesday, November 25, noon
Thanksgiving Vacation ends
Monday, November 30, 8 a.m.
Pre-registration Day, Saturday,
December 12
Christmas Vacation begins
Friday, December 18, noon

1954

Christmas Vacation ends
Monday, January 4, 8 a.m.
Comprehensive Examination Reading
Period, Thursday-Wednesday,
January 14-20
Comprehensive Examinations for
Graduating Seniors, Thursday-
Saturday, January 21-23
Classes end Friday, January 22, 6 p.m.
Final Examinations, Monday-
Thursday, January 25-
February 4, 11:50 a.m.
First Semester ends Thursday,
February 4.

SECOND SEMESTER

Registration Day, Monday,
February 8
Classes begin Tuesday,
February 9
Spring Vacation begins Friday,
April 9, noon
Easter Sunday, April 18
Spring Vacation ends Tuesday,
April 20, 8 a.m.
Graduate Record Examinations,
Saturday, April 24 and May 1
Pre-registration Day, Saturday,
May 15
Comprehensive Examination Reading
Period, Thursday-Wednesday,
May 20-26
Comprehensive Examinations, Thursday-
Saturday, May 27-29
Classes end Friday, May 28, 6 p.m.
Final Examinations, Monday-
Thursday, May 31-June 10
Commencement, Monday, June 14

TABLE OF CONTENTS

Introduction

| | |
|--|---------------------|
| Map | <i>Frontispiece</i> |
| University Calendar for 1953-54 | 2 |
| Table of Contents | 3 |
| Statement of Objectives | 4 |
| University Calendar for 1954-55 | 6 |
| General Information | 7 |
| Air Force ROTC | 15 |
| Admission | 16 |
| Student Services | 19 |
| Registration | 21 |
| Expenses | 24 |
| Scholarships and Grants-in-Aid | 27 |
| Academic Honors and Prizes | 35 |
| Plan of Study and Degree Requirements | 41 |
| Courses of Study | 53 |
| Courses in General Education | 53 |
| Departmental and Transdepartmental Courses | 59 |
| Conservatory of Music | 118 |
| Faculty | 118 |
| Curriculum | 120 |
| Summary of Student Enrollment | 123 |
| Summary of Geographical Enrollment | 124 |
| Personnel | 125 |
| Board of Trustees | 125 |
| Faculty | 128 |
| Administrative Staff | 137 |
| Student Services' Staff | 138 |
| Student Enrollment | 140 |
| Index | 149 |



STATEMENT OF OBJECTIVES

A college of liberal arts and sciences, dedicated to Christian ideals, Denison aims to help the student become a mature, well-informed person.

Specifically, Denison seeks to enable each student to—

Acquire facility in reading, writing, and speaking;

Understand the cultural attainments of men;

Know something of the meaning and methods of the main branches of learning;

Prepare for his vocation through intensive study in a specific field;

Think honestly, clearly, and constructively;

Develop interest and pleasure in the continuing, creative use of his abilities and skills;

Respect cultural and individual differences;

Promote understanding among all peoples;

Participate actively and responsibly in the processes of democratic government;

Reflect high standards of taste through sound critical judgment and fine discrimination;

Achieve philosophic and religious insights for consistent and constructive living.

The assertion that Denison University is a *Christian* college is a declaration of purpose. To be *Christian* a college should seek the following:

- To foster in each student ethical and spiritual qualities;
- To integrate each personality around Christian principles and ideals;
- To stimulate a fearless and untiring search for truth;
- To develop capacity and purpose for creative social and religious living;
- To cultivate adherence to the highest ethical standards in economic, political, and social life; and
- To animate the whole group with Christian idealism.

These purposes are to be realized by the following means:

- Selection of a faculty of men and women of exemplary conduct and character, who are heartily and definitely committed to the Christian purpose of the institution, whose instruction is sympathetic with such a purpose and never hostile to it;
- Offering specific instruction in religion;
- Providing for the expression of religion through various suitable organizations and activities;
- Upholding standards of effort and achievement that are thorough and honest; and
- Observing Christian ideals in all corporate activities of the University.

By common declaration of trustees and faculty, Denison University makes these its aims to be progressively and continuously realized.

CALENDAR

1954-1955

1954

FIRST SEMESTER

New Student Days, Sunday-Friday,
September 12-17
Registration Day, Saturday,
September 18
Classes begin Monday, September 20
Thanksgiving Vacation begins
Wednesday, November 24, noon
Thanksgiving Vacation ends
Monday, November 29, 8 a.m.
Pre-Registration Day, Saturday,
December 11
Christmas Vacation begins
Friday, December 17, noon

1955

Christmas Vacation ends
Monday, January 3, 8 a.m.
Comprehensive Examination Reading
Period, Thursday-Wednesday,
January 13-19
Comprehensive Examinations for
Graduating Seniors, Thursday-
Saturday, January 20-22
Classes end Friday,
January 21, 6 p.m.
Final Examinations, Monday-
Thursday, January 24-
February 3, 11:30 a.m.
First Semester ends Thursday,
February 5.

SECOND SEMESTER

Registration Day, Monday,
February 7
Classes begin Tuesday,
February 8
Spring Vacation begins Friday,
April 1, noon
Easter Sunday, April 10
Spring Vacation ends Tuesday,
April 12, 8 a.m.
Graduate Record Examinations,
Saturdays, April 16 and 23
Pre-Registration Day, Saturday,
April 30
Comprehensive Examination Reading
Period, Thursday-Wednesday,
May 19-25
Comprehensive Examinations,
Thursday-Saturday, May 26-28
Classes end Friday, May 27, 6 p.m.
Final Examinations, Monday-
Thursday, May 30-June 9, 11:30 a.m.
Commencement, Monday, June 13

| 1954 | 1955 |
|----------------------|----------------------|
| JULY | JANUARY |
| S M T W T F S | S M T W T F S |
| -- -- -- 1 2 3 | -- -- -- -- -- 1 |
| 4 5 6 7 8 9 10 | 2 3 4 5 6 7 8 |
| 11 12 13 14 15 16 17 | 9 10 11 12 13 14 15 |
| 18 19 20 21 22 23 24 | 16 17 18 19 20 21 22 |
| 25 26 27 28 29 30 31 | 23 24 25 26 27 28 29 |
| 30 31 | 30 31 |
| AUGUST | FEBRUARY |
| S M T W T F S | S M T W T F S |
| 1 2 3 4 5 6 7 | -- -- 1 2 3 4 5 |
| 8 9 10 11 12 13 14 | 6 7 8 9 10 11 12 |
| 15 16 17 18 19 20 21 | 13 14 15 16 17 18 19 |
| 22 23 24 25 26 27 28 | 20 21 22 23 24 25 26 |
| 29 30 31 | 27 28 |
| SEPTEMBER | MARCH |
| S M T W T F S | S M T W T F S |
| -- -- -- 1 2 3 4 | -- -- 1 2 3 4 5 |
| 5 6 7 8 9 10 11 | 6 7 8 9 10 11 12 |
| 12 13 14 15 16 17 18 | 13 14 15 16 17 18 19 |
| 19 20 21 22 23 24 25 | 20 21 22 23 24 25 26 |
| 26 27 28 29 30 | 27 28 29 30 31 |
| OCTOBER | APRIL |
| S M T W T F S | S M T W T F S |
| -- -- -- 1 2 | -- -- -- -- -- 1 2 |
| 3 4 5 6 7 8 9 | 3 4 5 6 7 8 9 |
| 10 11 12 13 14 15 16 | 10 11 12 13 14 15 16 |
| 17 18 19 20 21 22 23 | 17 18 19 20 21 22 23 |
| 24 25 26 27 28 29 30 | 24 25 26 27 28 29 30 |
| 31 | |
| NOVEMBER | MAY |
| S M T W T F S | S M T W T F S |
| -- 1 2 3 4 5 6 | 1 2 3 4 5 6 7 |
| 7 8 9 10 11 12 13 | 8 9 10 11 12 13 14 |
| 14 15 16 17 18 19 20 | 15 16 17 18 19 20 21 |
| 21 22 23 24 25 26 27 | 22 23 24 25 26 27 28 |
| 28 29 30 | 29 30 31 |
| DECEMBER | JUNE |
| S M T W T F S | S M T W T F S |
| -- -- -- 1 2 3 4 | -- -- -- 1 2 3 4 |
| 5 6 7 8 9 10 11 | 5 6 7 8 9 10 11 |
| 12 13 14 15 16 17 18 | 12 13 14 15 16 17 18 |
| 19 20 21 22 23 24 25 | 19 20 21 22 23 24 25 |
| 26 27 28 29 30 31 | 26 27 28 29 30 |



THE PHYSICAL EDUCATION AND COMMUNITY CENTER

GENERAL INFORMATION

Denison University is a privately-administered and financed, co-educational college of liberal arts and sciences. It is situated in Granville, Ohio, 27 miles east of Columbus, the state capital. Founded in 1831 as the Granville Literary and Theological Institution, Denison University was incorporated under its present name in 1854. Since its founding Denison has cooperated with the Board of Education of the American Baptist Convention, but its teaching has always been nonsectarian, and it accepts students without regard to race or creed.

Denison is accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution. It has been certified by the Association since 1913, when it appeared on the Association's first published list of degree-granting institutions. Denison is also recognized and approved by the Association of American Universities, the Ohio College Association, the Ohio State Department of Education, the American Association of University Professors, and the American Chemical Society. The Denison Conservatory is a Liberal Arts College member of the National Association of Schools of Music.

A CHRISTIAN EDUCATION

By heritage and choice, Denison is a Christian college maintaining and developing Christian principles and ideals. Through the chapel services and the several religious organizations on the campus, students and faculty actively share religious life. Academically,

Denison provides instruction in religion through the Department of Religion.

The Christian Emphasis Program, which coordinates many of the religious activities at Denison, conducts vesper services and special programs for the discussion of student problems. Through its community service program, known as Deni-Service, students respond to community needs. Women students find opportunities for Christian social service in the Young Women's Christian Association.

For many years one week of the academic year was set aside as Christian Emphasis Week. In 1953-54 the plan changed to two three-day periods, one in each semester, during which time students and faculty may evaluate the Christian way of life through special chapel programs, class discussions, addresses, and forums with guest speakers.

A regular chapel or convocation program is held once each week. This program usually takes the form of a musical service, a worship service or a convocation with an off-campus speaker of national reputation.

The Bonds of Friendship is an annual, campus-wide campaign to raise money for the World Student Service Fund; a scholarship fund for foreign students; and other philanthropies, including contributions to a hospital equipment fund for Dr. Mary Kirby Berry (Class of 1938), a medical missionary in Assam. At present, four foreign students are at Denison on scholarship funds raised by the Bonds of Friendship.

A PERSONALIZED EDUCATION

In and out of the classroom, a Denison education is a personalized education which fosters intelligent and responsible living. Recognizing that the personal achievement and personal culture of our college students become the ultimate standards of our nation, Denison has planned its total educational program accordingly. In the classroom the student receives a varied and valuable acquaintance with significant aspects of our American heritage and with current developments in our culture. In the extraclass program he has special opportunity to broaden this acquaintance and to pursue personal interests which will give him the enduring rewards that intellectual living can give.

The William Howard Doane Library assumes great importance in the education and cultural life at Denison. Rich in its resources of books, periodicals, pamphlets, government publications, microfilm, and recordings, the library is the workshop of the student. In order that the library may best serve the total needs of the student, *both the reserve book section and the general book collection in the stacks*

are open to every student. To have a student use libraries and their resources effectively during and after his college years, the emphasis of the reference service and the formal instruction by the library staff (which begins with the freshman research paper) is on methods of finding information and investigating subjects. The carrels and seminar rooms offer special facilities for independent study and research. The Browsing Room and the Denisoniana Room encourage the formation of good reading habits.

The enriching experiences offered by the fine arts are made available to every Denison student. Numerous art exhibits are held each year, and student work is frequently shown. An Art Treasure Collection has been assembled, and valuable tapestries, paintings, vases, and other *objets d'art* are on display. The Denison Art Loan Collection makes available framed pictures, etchings, and prints by world-famous artists to students for use in their rooms for a semester at a time.

Opportunities to hear and to participate in the production of good music are provided by concerts by the Denison Choral groups; recitals by students, faculty, and guest artists; programs by the men's and women's glee clubs; special programs by the Denison Orchestra and the Denison Band. Musicians of national reputation are brought to the campus in concerts arranged by the Granville Festival Association in cooperation with the college.

Dramatic productions of professional excellence are presented by the four theatres—Children's, Studio, University, and Summer—operated at Denison. In recent years more than forty thousand persons have attended the thirty or more different dramatic productions offered annually. Some of the plays produced recently are *The Birds*, *Henry IV*, *Peer Gynt*, *The Silver Whistle*, *Knickerbocker Holiday*, *Androcles and the Lion*, *This Way to the Tomb*, and several original plays written by Denison students.

Public speaking and debating have long been important cultural activities at Denison. In addition to the varsity debating and intramural speaking contests for men, Denison has intercollegiate forensics for women and for freshmen. Outstanding leaders in the arts, the sciences, and the social sciences are presented in the Denison Lecture series. In radio, the campus studios channel the regular weekly programs originating on the campus to station WCLT in Newark, an affiliate of the standard network of Ohio.

Every Denison student is urged to take an extraclass interest in one or more academic areas. To encourage personal contributions by each student, *departmental clubs exist in almost every field of study*. Regardless of his area of study, a student who is interested

in writing, editing, or otherwise assisting in the production of a publication has an opportunity to join the staffs of *The Denisonian*, the weekly newspaper; *Campus*, the quarterly magazine; and the *Adytum*, the yearbook.

The Denison Scientific Association, established in 1887, issues the *Journal of the Scientific Laboratories* and meets bi-weekly for the presentation of scientific papers by faculty and students. The *Journal*, founded by Professor Clarence Luther Herrick in 1885, has an international reputation.

The Denison Society of Arts and Letters provides a regular program of literary and cultural papers and discussions open to the student body and the public.

The Denison University Research Foundation, founded in 1942 by a gift from an anonymous donor, fosters and encourages constructive research in the arts and sciences by awarding Research Scholarships to men and women of promise. The Foundation also sponsors substantial prizes at Commencement for the best thesis submitted by a candidate for a degree with honors in each of the fields of the arts, the sciences, and the social studies.

CAMPUS AND BUILDINGS

The campus of 350 acres centers on College Hill, a horseshoe-shaped ridge which rises to the north of the business district in Granville. On the crest of the hill are the academic buildings, the library, the chapel, and the hospital. North of the main college buildings are the spacious playing fields for athletic and recreational purposes. Near the foot of College Hill and adjacent to the Lower Campus, the attractive chapter houses comprising Sorority Circle are grouped.

SWASEY CHAPEL with its stately tower dominates the Denison campus and serves as a landmark to travelers approaching Granville. The building, dedicated in 1924, was named in honor of the donor, Dr. Ambrose Swasey. The chimes in the chapel tower are a memorial to his wife, Lavinia Marston Swasey. Nearby is Swasey Observatory, built in 1910.

THE WILLIAM HOWARD DOANE LIBRARY stands at the head of the quadrangle of academic buildings. The present structure, built in 1937, replaced the original building presented by Dr. William Howard Doane in 1878. The newer building was the gift of his daughters, Mrs. George W. Doane and Miss Ida F. Doane.

DOANE ADMINISTRATION BUILDING, containing the college offices and several classrooms, was the gift of Dr. Doane in 1894.

LIFE SCIENCE BUILDING, erected in 1941, is used by the departments of biological sciences, psychology, philosophy, and family life. This building was the gift of Miss Ida Frances Doane.

BARNEY SCIENCE HALL is used by the departments of geology and geography, mathematics, and physics. It was the gift of Edgar J. Barney as a memorial to Eliam E. Barney, his father, and was erected in 1905.

TALBOT HALL is a classroom and office building for the departments of economics, English, government, history, modern languages, religion, and sociology. The building, erected in 1871, was named in honor of Samson Talbot, fifth president of Denison.

CHEMISTRY COTTAGE, near Life Science Building, completes the academic buildings on the quadrangle.

CLEVELAND HALL, on the south slope of College Hill near the Lower Campus, is the Women's gymnasium. Given by friends of the college living in Cleveland, it served as the Men's gymnasium from the time it was built in 1903 until 1950.

Comprising the Lower Campus group are the Conservatory of Music, Recital Hall, Shepardson Commons, and five residence halls for freshman women. The Doane Art Building on College Street is also in this area.

On College Hill east of the chapel are Whisler Memorial Hospital, built in 1929 as a memorial to Helen Arnett Whisler; Colwell House; and five residence halls for upperclass women.

DEEDS FIELD, which was named in honor of the donor, Colonel Edward A. Deeds of the Class of 1897, utilizes the natural amphitheatre on the slope to the north of the chapel. The football field and stadium were built in 1922.

PHYSICAL EDUCATION CENTER, located just east of Deeds Field, was completed in 1950. Primarily the center of physical education for men, it serves a variety of college and community uses. It provides Denison with a completely modern gymnasium seating 3,000 spectators. In addition to the basketball court, the spacious Center contains physical education classrooms and offices; drill space for the Air Force ROTC; a field house for indoor practice of football, track, and baseball; and various small courts. Adding greatly to the recreational and cultural facilities of Licking County, the Center

provides adequate space for all major events such as lectures, concerts, commencement exercises, and other assemblies. Two additional wings to the building are planned, one to accommodate the swimming pool, and the other, the women's gymnasium.

On the north campus at the center of the women's athletic grounds is Lamson Lodge, named for the donor, Julius G. Lamson. It serves as a shelter house and recreation classroom.

RESIDENCE HALLS

Denison recognizes the experience of group living as an important part of a college education. To that end the University operates residence and dining halls for all women students and for all freshman men. Most of the rooms accommodate two students each, but many of the upperclass women live in suites for three or four students. Upperclass men live in one of nine fraternity chapter houses, in two college-operated residence halls as accommodations are desired, or in approved private dwellings in the village.

Women students are accommodated in two groups of residence halls, senior, junior, and sophomore women living on College Hill at the eastern end of the ridge and freshmen on the Lower Campus. On College Hill are Shaw Hall, named in honor of the late President and Mrs. Avery Albert Shaw; Beaver Hall, named in honor of Mary Thresher Beaver; Sawyer Hall, named for Charles Sawyer, an early benefactor of higher education for women; and Deeds Hall, built in 1953 and named for Edith Walton Deeds, wife of Colonel Edward A. Deeds, Class of 1897. These residence halls accommodate 392 women, all of whom take their meals in Colwell House.

On the Lower Campus freshman women live in Stone Hall, named in honor of the Reverend Marsena Stone, a former professor; King Hall, named in honor of a former trustee; Burton Hall, named in honor of the founders of an early school for girls in Granville; Monomoy Place; and Parsons Hall. Meals for the 244 students residing in these halls are served in Shepardson Commons.

Freshman men occupy Curtis Hall, a large residence hall accommodating 190 students. Dining facilities in Curtis Hall are adequate to care for residents there and in nearby Smith Hall and others not taking their meals at fraternity houses. Curtis Hall, erected in 1940 as a memorial to Lanson Stage Curtis of the Class of 1896, was made possible by a gift from his mother, Mrs. Annetta R. Jewell. The building was enlarged in 1946. Smith Hall, built in 1953, was named for Franklin G. Smith, honorary chairman of the Denison Board of Trustees.

Gilpatrick House, a cooperative honor residence for upperclass women, is located on the Upper Campus near Colwell House. Here 15 students share the household duties including the preparation of meals. The cooperative nature of the undertaking reduces living costs materially.

ATHLETICS

The athletic program at Denison is an integral part of the physical education curriculum. Each student is encouraged to participate as fully in intramural and intercollegiate athletics as his academic program permits. The University provides professional coaching, excellent training facilities, and athletic equipment and supplies. It carefully supervises all intramural and intercollegiate sports.

Denison engages in intercollegiate football, soccer, basketball, track, baseball, tennis, golf, and lacrosse. In its intercollegiate program the University seeks to compete with institutions of similar size and similar educational and athletic standards. Denison is a member in good standing of the National Collegiate Athletic Association and the Ohio Athletic Conference.

The athletic policy of Denison University is controlled in its entirety by the faculty. The department of physical education operates within the academic budget, and all receipts from and expenditures for intercollegiate contests are handled by the University controller.

HEALTH

Denison recognizes its responsibility for the health and well-being of its students by providing a complete medical service, adequate health instruction, and the efficient administration of dining halls and dormitories. The University physician, aided by three registered nurses, maintains in Whisler Memorial Hospital an up-to-date clinic where prompt medical attention is available. The physician may be consulted for examination and treatment at specified hours, and a trained nurse is on duty at all times.

That students may develop habits of good health, instruction in health is provided in the classroom and in the departments of physical education. Programs of study and training are designed to meet hygienic and recreational needs.

In administering the residence halls and dining halls, the University takes every safeguard to protect the health of its students. Trained dietitians supervise the choice, preparation, and serving of food.

STUDENT GOVERNMENT AND SOCIAL LIFE

Denison students have the unique opportunity of being regular members on policy-making groups of the University's administrative bodies, such as the committees on admissions, curriculum, activities, and others, in addition to operating their own student organizations with a great degree of freedom. The principal elective student officers direct the activities of the Denison Campus Government Association and serve as the student representatives on the Student-Faculty Council. This council recommends to both the Student Senate and the Faculty improvements in the regulation of campus activities.

The Denison Campus Government Association functions through the Senate, the Women's Council, the Judicial Councils, and the Boards of Control of Debate, Dramatics, Music, Publications, Recreation, Religious Activities, and Women's Athletics. In 1953 the Women's Council affiliated with the Intercollegiate Association of Women Students.

In each college-operated residence hall a House Council, made up of elected students, directs the social administration in cooperation with the head resident, who is a member of the University staff.

The social life of the campus centers in the Student Union which is the gathering place of the student body. Its recreation committee plans various special activities which foster the community spirit in Denison's social life.

The Interfraternity Council and the Panhellenic Council work cooperatively through the nine fraternities and the seven sororities in developing an adequate social program. All of these national Greek-letter organizations maintain chapter houses on or near the campus, generously sharing their facilities with the students, faculty, and townspeople.

AIR FORCE ROTC PROGRAM

In 1952 the United States Air Force established an extension unit of the Air Force Reserve Officer Training Corps on the campus of Denison University for the purpose of training selected students in certain functions normally performed by reserve officers in the Air Force.

Students who successfully complete all requirements are commissioned as second lieutenants in the United States Air Force Reserve upon graduation from the University.

Freshmen and sophomores between the ages of 14 and 22 years, physically qualified, and acceptable to the Professor of Air Science and Tactics (PAST), are eligible for the basic course.

Mere enrollment in AFROTC does not involve an obligation for active military service, nor does such enrollment automatically give the student draft-deferment status. Draft deferment is granted to AFROTC cadets who establish and maintain standards acceptable to the PAST and who agree (a) to enroll in and complete the advanced course, if accepted therefor; (b) to attend one summer camp of six weeks' duration, normally between the first year advanced and the second year advanced course; (c) upon completion of the course, to accept a commission, if tendered; and (d) to serve on active duty for a period of not less than two years after receipt of the commission.

The Air Force blue uniform is lent without cost to the student and is worn during the drill periods and at such other times as may be specified by the PAST. The student is responsible for the proper care of the uniform. Textbooks and other instructional material are supplied without cost by the University or the Air Force.

Advanced course students are paid at the rate of approximately \$27 a month during the academic year. Pay during summer camp is at the rate of \$75 a month plus travel allowances, food, quarters, uniforms, and medical care.

For data pertaining to credits and course content see Department of Air Science and Tactics in this catalog. For additional information, write to the Department of Air Science and Tactics, Denison University.

ADMISSION

The Admissions Committee weighs carefully all factors which bear upon the applicant's likelihood of success at Denison and makes its selections accordingly. An applicant may be admitted either as a freshman or with advanced standing.

In evaluating applicants, the Admissions Committee takes into consideration the quality of the academic record, aptitude test scores, recommendations, school and community activities, and the applicant's personal statement of his reason for attending college. In addition, a personal interview is highly desirable, although not compulsory. This interview may be held either at Denison or at a center near the applicant's home.

PRELIMINARY APPLICATION

Any student who desires to enroll at Denison should submit a preliminary application (by requesting form or sending coupon in the Denison viewbook). Upon receipt of the preliminary application, the Admissions Committee places the applicant on the mailing list, and sends him a formal application during October of the year prior to entrance. If a prospective student submits his preliminary application after October of the year prior to entrance, he is sent a formal application immediately. An early date of application is desirable.

GENERAL ADMISSION REQUIREMENTS

Every applicant—freshman or transfer—is expected to meet the following minimum requirements:

GRADUATION AND COLLEGE CERTIFICATION from an accredited high school or preparatory school with at least 15 acceptable credit units. Although no special combination of subjects is required, a recommended program would include these courses: English, four units; Mathematics, including Algebra and Plane Geometry, two units; Foreign Language, two units in the same language; History, one unit; Laboratory Science, one unit. (At least two of the five remaining units should be in the areas named or in related subjects.)

RECOMMENDATION BY THE MINISTER or other religious leader (as prescribed in the formal application blank).

PERSONAL STATISTICS and listing of school, church, and community activities (as prescribed in the formal application blank).

STATEMENT OF PURPOSE in attending college (as prescribed in the formal application blank).

HEALTH REPORT from applicant's physician, to be filed after the applicant has been accepted (preferably in late summer), on the form furnished by the college.

FEES AND DEPOSITS. An applicant must pay these fees and deposits:

- (1) A nonreturnable fee of \$5 to accompany the formal application.
- (2) A registration deposit of \$25 payable as soon as the applicant is accepted for admission.
- (3) A room reservation deposit of \$25 except for a veteran or man who enters as a transfer student with sophomore, junior, or senior standing and who does *not* desire dormitory accommodations.

Both the registration deposit and room reservation deposit are refundable until June 1 upon written withdrawal of the application (addressed to the Office of Admissions). An applicant accepted after June 1 is allowed two weeks from date of acceptance during which he may apply for the refund of deposits under the foregoing provisions.

SPECIAL REQUIREMENTS FOR FRESHMEN

In addition to meeting the foregoing General Admission Requirements, a student who desires to enter as a freshman is expected to submit this information:

- (a) Personal appraisal by secondary school principal, headmaster, or guidance officer.
- (b) Satisfactory raw scores on *one* of these standard tests to be taken during the senior year:

- (1) Scholastic Aptitude Test of College Entrance Examination Board,
- (2) Psychological Examination (current college edition) of the American Council on Education, or
- (3) Ohio State Psychological Test (current edition).

ACCEPTANCE OF FRESHMEN

A freshman applicant is admitted on the basis of grades for seven semesters of secondary school work, and the completion of the foregoing requirements. The Admissions Committee makes its first

choices by April 15 from those whose applications are then complete. Applicants will be considered after April 15 for such openings as then remain in the quota set for the freshman class.

SPECIAL REQUIREMENTS FOR TRANSFERS

In addition to meeting the foregoing General Admission Requirements, a student who is eligible for advanced standing is expected to submit the following:

(a) A complete, official transcript of his college record showing honorable dismissal from the college previously attended.

(b) A recommendation from a dean of the college last attended.

He may also be asked to present satisfactory scores on the College Entrance Examination Board Intermediate Test for College Students.

ACCEPTANCE OF TRANSFERS

A transfer student who wishes to enter Denison as a sophomore will be considered for acceptance only after his complete first year record is available. A transfer student who wishes to enter Denison as a junior may be provisionally accepted during his sophomore year when his record for three semesters of college work is available. A student accepted for admission with advanced standing must complete at least one year in residence as a full-time student to be eligible for a Denison degree.

A student accepted for admission with advanced standing will be allowed credit without examination for liberal arts subjects taken at a college accredited by the North Central Association of Colleges and Secondary Schools or an accrediting body of similar rank. Class standing at Denison is based on the number and quality of credits accepted, subject to revision after one semester in residence. A graduate of an accredited junior college will be classified as a junior on admission, and will be required to earn at least 64 semester hours of credit (a normal program for two years) at Denison in fulfilling graduation requirements. A transfer student is required to earn at least a C average at Denison to qualify for a degree. Any requirements for graduation at Denison not satisfactorily completed at the college previously attended must be taken in normal sequence.

STUDENT SERVICES

Denison's counseling program functions to help the student make the best possible adjustment to college life. In the classroom, faculty members and students share the learning process in a way possible only in a small college. Outside the classroom, every student has access to a complete counseling service.

ORIENTATION OF NEW STUDENTS

The orientation of new students, begun during the week preceding registration, is continued throughout the year by the students' advisers. The faculty counselor helps the student plan an academic program consistent with the aims and obligations of a liberal arts education, and a program which is in keeping with the student's abilities, aptitudes, and aspirations. Regularly the student evaluates his college experience with his counselor, and has access to various aptitude, achievement, and vocational interest tests, as well as the services of specialists, when they may be needed.

COUNSELING STAFF

The counseling staff includes the deans of students; the director of vocational services; the university physician; specialists in family life, religion, and psychology; selected faculty counselors; the department chairmen; head residents; and student advisers.

Freshmen and sophomores are assigned to selected counselors, and upperclassmen to department chairmen. The faculty members who counsel freshmen and sophomores are chosen primarily because of their interest in student personnel work. They meet regularly with the director of the counseling corps and the deans of students in a program of coordination and in-service training.

In the residence halls junior advisers, a selected group of upper-class students, aid the freshmen in learning the many new phases of life in college. The head resident in each residence hall also counsels with students. The head residents are members of the staff of the Dean of Men and the Dean of Women.

OFFICES OF THE DEANS OF STUDENTS

The offices of the deans of students (dean of men and dean of women) are the central point to which students should turn for help in finding and using the various resources of the University. In addition to counseling individuals the deans of students coordinate many student activities. Their offices serve as the depository for cumulative records of information on individual students.

VOCATIONAL SERVICES

A guidance center for vocational information, counseling, and the placement of students and alumni is closely coordinated with the various departments of the college. Its program helps the student to evaluate his own interests and potentialities, to learn the method of obtaining employment, and to secure a position. Each year numerous vocational conferences give students opportunities to meet leaders in the various professional and business fields and to discuss the nature of the work, the aptitudes and training necessary to achieve success, and the occupational rewards.

DENISON BUSINESS COUNCIL

In order to relate the classroom program more closely to vocational performance, Denison has invited a number of outstanding businesses to affiliate themselves with the university as members of the Denison Business Council. These firms are Owens-Corning Fiberglas Corporation and Park National Bank, Newark, Ohio; Columbus Coated Fabrics Corporation, Battelle Memorial Institute, and the Ohio Bell Telephone Company, Columbus, Ohio; The Cleveland Graphite Bronze Company, Warner and Swasey, Thompson Products, Incorporated, and Standard Oil Company of Ohio, Cleveland, Ohio; Procter and Gamble Company and Union Central Life Insurance Company, Cincinnati, Ohio; National Cash Register Company and Rike-Kumler Company, Dayton, Ohio; Armeo Steel Corporation, Middletown, Ohio; United Airlines, and Sears, Roebuck and Company, Chicago, Illinois. The Denison Business Council makes available to the students the counsel of policy-making officers of the several companies, gives opportunity for students to compete for summer employment with one of the companies, provides on request classroom speakers on special topics and case study materials from company files, and encourages company visitations for firsthand observation of various business operations.

TEACHER PLACEMENT

The Department of Education maintains a separate appointment service to assist graduates in seeking first teaching positions and in transferring to better positions upon evidence of successful experience.

COUNSELING OF VETERANS

Veterans' training at Denison is approved by the Veterans' Administration under Public Laws 346 and 550. Counseling of veterans is handled in the office of the Dean of Men.

REGISTRATION AND CLASSIFICATION OF STUDENTS

Registration, the formal enrollment in the college, is an agreement on the part of the student to abide by all college regulations. The procedure includes (a) preparation of a detailed schedule of courses, (b) deposit of a copy of the class schedule with the Registrar, and (c) payment of the prescribed fees to the Cashier. Every student must complete his registration at the time scheduled. Failure to do so will be considered *late registration*, entailing payment of a special fee of \$5. For *late preregistration* a special fee of \$5 shall also be charged. *No student will be admitted to any class later than the second week of the semester.*

During the orientation period a student entering Denison for the first time is aided by his counselor in making out the detailed schedule of courses to present to the Registrar.

NORMAL REGISTRATION is set at 16 semester-hours of credit. To register for 17 semester-hours a student must be in good scholastic standing. This total should include the appropriate requirements in Physical Education. (See Plan of Study.) The normal academic load enables a student to meet the graduation requirements within eight semesters. A student who pays regular tuition charges is permitted to audit, without additional cost, one course a semester for which no credit may be claimed.

REDUCED REGISTRATION is recommended for a student who for any reason cannot carry a normal schedule satisfactorily. If reduced registration is advisable, a student may be required to carry a schedule of 12 to 14 hours of academic credit and be asked to devote an extra semester to fulfill the graduation requirements. Without special permission from the appropriate Dean of Students, 12 hours shall be minimum registration for any regular student. With special permission of the appropriate Dean of Students, a regular student may register for 10 or 11 semester-hours.

EXCESS REGISTRATION may be permitted to a superior student upon petition to and approval by the Committee on Academic Status. (The cost is \$17 a semester-hour in excess of 17 semester-hours.)

PARTIAL REGISTRATION enables a student, with the permission of the appropriate Dean of Students, to take nine or fewer academic hours a semester. (The cost is \$17 a semester-hour plus a part-time incidental fee of \$5.)

SPECIAL REGISTRATION is open to adults living within commuting distance of Granville and to certain foreign students who wish to enroll in courses of special interest to them and who are not interested in a degree. They are eligible for partial registration and are not required to follow a normal sequence of studies. If credit is desired, appropriate credentials must be submitted to the Registrar's Office.

CHANGES IN REGISTRATION are not ordinarily permitted. If a change is made, a fee of \$1 will be charged, unless remitted by the Registrar for satisfactory reason.

WITHDRAWAL FROM COURSES must be made by formal report to the Registrar signed by the student's adviser. *A student who withdraws from a course without official permission will receive a grade of F (failure) on his permanent record.* If a student receives permission to withdraw from a course before the end of the second week of classes, no grade will be entered on his record; thereafter the grade will be WP (withdrawn passing) if the student is doing passing work, or WF (withdrawn failing) if he is *not* doing passing work at the time of withdrawal. The letters WP and/or WF placed on a student's permanent record shall not count in determining the student's grade-point average, except that a grade of WP and/or WF shall count as F (failure) in computing the grade-point average if entered after the end of the fifth week of the semester.

WITHDRAWAL FROM THE UNIVERSITY is official only upon written report to the appropriate Dean of Students. This report must be signed by the student's parents or guardian. To receive an honorable dismissal a student who must leave before the close of the semester should consult the Dean of Women or the Dean of Men.

The college may, whenever in its judgment such action is for the best interest either of the student or of the student body, dismiss or refuse to enroll any student.

A student, including veterans enrolled under Public Laws 346 or 550, withdrawing from college for any reason will be charged 20 per cent of the tuition and incidental fee, for each week enrolled, but the amount charged shall not exceed full tuition and incidental fee. A proportionate refund will be made on board, but no refund will be made on room rent. No courses are entered on the permanent record of a student who withdraws from college during a semester.

A student involuntarily entering military service shall be charged for board and room for the time enrolled. No charge for tuition shall be made unless credit for courses being taken is granted.

In the event of major illness or other emergency the student may petition the Executive Council for special consideration.

CLASSIFICATION

The classification of students is determined by the amount of academic credit earned. The following requirements must be met:

FRESHMAN STANDING: A student is classed as a freshman unless he is deficient in more than one unit of preparatory work.

SOPHOMORE STANDING: A student must have 26 semester-hours of credit including required courses in English and in Physical Education. (Any entrance deficiencies must have been removed.)

JUNIOR STANDING: A student must have 60 semester-hours of credit.

SENIOR STANDING: A student must have 94 semester-hours of credit.

ELIGIBILITY RULE: A regularly enrolled student registered on a full-time basis (normally 12 semester-hours or more) shall be eligible to represent the college in college-sponsored activities if he has a cumulative 2.0 grade-point average.

A student will be ineligible the semester after his work falls below a cumulative 2.0 grade-point average but will be eligible in subsequent semesters while on probation providing he earns a 2.0 grade-point average or better in the semester preceding. Summer school work will be averaged in with the preceding semester's work for the purpose of determining eligibility.

Since September, 1951, freshmen have been eligible for inter-collegiate athletics.

EXPENSES

COST EACH SEMESTER

| | |
|------------------|----------------|
| Tuition and Fees | \$325.00 |
| Board | \$220.00 |
| Room | \$115-\$130.00 |

In view of the economic uncertainty of the times, the University reserves the right to make changes in costs at the beginning of any semester by publication of the new rates *for tuition and fees three months in advance, for board and room one month in advance of their effective date.*

THE TUITION AND INCIDENTAL FEE of \$300 permits a student to take from nine to 17 semester-hours of credit. A fee of \$17 is charged for each registered hour in excess of 17 hours. A part-time student carries fewer than nine semester-hours at the rate of \$17 for each hour of credit. Full-time students receive in addition a variety of services and entertainment. Among these are library, course, laboratory (except deposit for breakage), and health service fees. The health service includes hospital care up to three days a semester (exclusive of medical, surgical costs such as X-ray, services of special nurses and consultants, calls to a student's room, supply of special medicines, or the use of special appliances). *For hospitalization in excess of three days a charge of \$7 a day is made.* The fee also supports the Denison Campus Government Association and certain other student organizations. Its payment admits the student to plays, concerts, lectures, intercollegiate athletic contests, and covers a subscription to the weekly newspaper, the quarterly magazine, and the yearbook.

An entering student deficient in English as indicated by his score on the ACE Test taken during the opening week of college must pay an additional fee of \$25 a semester for extra instruction.

A part-time student must pay a \$5 part-time incidental fee. If he desires hospital and student activity privileges, he must make the necessary arrangements with the Cashier.

ROOM RENT is \$115 a semester for each student if two or more room together. The price of a single room is \$130 a semester. *No room is rented for a shorter period than one semester.* Accommodations are available for a few freshman and transfer women to live in a cooperative house. Address inquiries to the Office of Admissions.

The cost of any damage to the furniture or the room beyond ordinary wear will be assessed to the occupant.

MEALS are served in the college dining halls throughout the academic year except during vacations. The charge for board is \$220 a semester.

BOOKS AND SUPPLIES cost approximately \$30 to \$40 a semester.

CONSERVATORY OF MUSIC FEES are required of a student taking *private lessons* in Voice, Organ, Piano, Violin, Violoncello, or Wind Instruments, unless the student is majoring in music. On the basis of one private lesson a week including the necessary practice time, the charge is \$15 a semester-hour. (If the private lessons raise the registration to an excess of 17 semester-hours, the student is subject to the fee for excess registration.)

Any student paying regular tuition may attend *classes* (not private lessons) in *voice or instrumental music* without extra charge.

A noncollegiate student pays \$32.50 a semester for one lesson a week and \$60 for two lessons. He also pays 15 cents an hour for organ rental and 5 cents an hour for piano rental. If he takes courses other than private lessons, the student pays the part-time tuition fee of \$17 a semester-hour of credit and the part-time incidental fee of \$5.

PAYMENT OF BILLS

BILLS ARE PAYABLE to Denison University at the Fiscal Office of the University. To help develop in the student a sense of responsibility and a greater appreciation of the educational opportunity, the University has a policy of collecting semester bills from the student rather than from his parents. Semester bills are due on Registration Day but may be paid in advance. All other bills are due within 10 days from the date presented and are subject to a service charge of \$1 when overdue.

A student is ineligible to attend classes unless his bills are paid when due. *A student will be denied an honorable dismissal, a transfer of credits, or a diploma until all college bills are paid in full.* On request, receipted bills are issued when the statement is returned.

DEFERMENT of one-half of the net bill for the first semester is allowed until November 15, and for the second semester until April 10, providing the request is made to the Cashier on or before Registration Day.

CANCELLATION OF RESERVATIONS should be made *prior to June 1 or December 15* for the succeeding semester in order to release dormitory space and to permit others to be admitted for registration. Both the registration deposit of \$25 and the room deposit of \$25 made during the admissions procedure are refundable if the time limit is observed. A student involuntarily called to military service after June 1 or December 15 but prior to the beginning of the next semester shall receive a refund of these deposits.

A freshman man planning to reside elsewhere than in a college residence hall the succeeding year may, on the pre-registration form in the second semester, request the refund of his room deposit.

A woman or man living in a college residence hall in the senior year will have the refunds credited on the statement issued for the second semester's expenses.

A request to the Registrar for a transcript of credits shall not be regarded as a cancellation of a room reservation or considered a notice of withdrawal from the college unless accompanied by a specific statement to that effect.

SCHOLARSHIPS AND GRANTS-IN-AID

Denison University recognizes promise and intellectual attainment of its students by awarding a number of honor scholarships, special scholarships, and grants-in-aid. These awards vary in value and are available to a limited number of entering students, to a larger number of students in residence, and to a limited number of graduates. Application blanks for all competitive awards may be obtained by addressing the Secretary, Committee on Scholarships and Student Employment.

HONOR SCHOLARSHIPS

Honor Scholarships are awarded without application by the recipient except in the case of Denison Tuition Scholarships, which are competitive.

DENISON TUITION SCHOLARSHIPS. Denison Tuition Scholarships of \$550 a year are awarded on a four-year full-tuition basis to high school seniors of high intellectual ability and strong moral character. They must possess qualities of leadership as shown by their activities in preparatory school, church, and neighborhood groups. Applicants are required to take the Scholastic Aptitude Test (verbal and mathematical) of the College Entrance Examination Board, together with its Achievement Test in English and in two additional fields of the candidate's choice. Applicants may take the January or March series, preferably the former. The candidates will be judged on the basis of the results of the tests and the accepted application for admission. Interviewing of applicants by college officials will be arranged either on the campus or in regional centers. *The award is for four years providing the recipient maintains a 3.25 grade average.* Probation for any cause automatically voids the scholarship and makes reapplication necessary when the probation is removed. Request to the Office of Admissions for application blank should be made prior to March 1.

DENISON FOUNDERS' SCHOLARSHIPS. Denison Founders' Scholarships of varying amounts are awarded to high school seniors with strong leadership activities, superior scholastic standing, and need for financial help to attend college. The award is for four years providing the recipient maintains a 2.75 grade average. Probation for any cause automatically voids the scholarship and makes reapplication necessary when the probation is removed. Requests for the application should be made to the Office of Admissions.

FIRST BAPTIST CHURCH OF GRANVILLE, OHIO, SCHOLARSHIP. The local church awards to an entering Baptist student a one-year scholarship of \$250. The award is based on activities in the home church, scholarship record, and the need of financial aid to attend college.

THE DENISON UNIVERSITY RESEARCH FOUNDATION SCHOLARSHIPS

Denison University Research Foundation Scholarships varying from \$100 to \$500 are awarded annually near the close of the sophomore or junior year to men and women showing a genuine interest in research. Intellectual ability and qualities of leadership are taken into consideration in the selection of students for these awards which may be renewed annually for a period covering graduate study.

GRANVILLE CENTENNIAL SCHOLARSHIP

The Granville Centennial Scholarship is a four-year award amounting to \$150 a year, renewable only if at least a 3.0 grade-point average is maintained. A high ranking student in the graduating class of the Granville High School is selected by the University and the Superintendent of Schools in accordance with restrictions laid down by the Denison Board of Trustees. This scholarship was established in recognition of contributions made by residents of Granville to the Centennial Endowment Fund.

THE EBENEZER THRESHER FUND (\$10,000)

The income from this sum is awarded to a freshman man of high scholastic rank who shows promise of usefulness and is of unquestionable moral character. Selection is made by the Faculty of the University. The award is made at the close of the first semester of the freshman year and is payable in four equal annual installments, providing a 3.25 grade average is maintained.

THE MARY HARTWELL CATHERWOOD SCHOLARSHIP FUND (\$2,000)

The annual income from this sum is awarded upon the recommendation of the chairman of the Department of English to a junior or senior student definitely planning a career in writing.

THE FRANCIS WAYLAND SHEPARDSON SCHOLARSHIP FUND (\$5,000)

The annual income from this sum is awarded to the student who has shown proficiency in courses in American History.

THE CORA WHITCOMB SHEPARDSON SCHOLARSHIP FUND (\$5,000)

The income from this sum is awarded to students who have shown proficiency in courses in Art.

THE WILLIS A. AND FRANCES W. CHAMBERLIN SCHOLARSHIP (\$1,500)

The income from this fund is to be used to aid students of high scholarship majoring in the Humanities.

THE DANIEL SHEPARDSON MEMORIAL SCHOLARSHIP FUND (\$2,500)

The income from this sum is awarded to the junior woman showing promise of outstanding leadership in the field of religious activity. Selection is made by the alumnae group administering the fund.

THE JULIET BARKER SARETT SCHOLARSHIP FUND (\$10,000)

This sum yields an income to be awarded to students who have shown general excellence in their academic work, particularly in English and Theatre Arts. Four scholarships, two in each subject, are awarded at the end of the junior year upon recommendation by the chairman of the respective departments.

THE WALTER LEROY FLORY SCHOLARSHIP FUND

To qualify for aid from this fund a student shall (1) be a member of the junior class who may be expected to graduate with his class, and (2) be adjudged by the Committee on Scholarships and Student Employment to show promise of professional success and leadership.

HONOR SCHOLARSHIPS IN MUSIC**THE ELIZA SMART SHEPARDSON SCHOLARSHIP FUND (\$2,500)**

The income from this sum is awarded to worthy students enrolled in the Conservatory of Music.

THE GERTRUDE CARHARTT BRELSFORD MEMORIAL FUND (\$2,000)

The income from this sum is awarded to worthy students enrolled in the Conservatory of Music.

THE PRESSER MUSIC FOUNDATION SCHOLARSHIPS

The sum of \$250 is made available annually by the Presser Music Foundation to students planning to make their living in music. Selection of the students is made on recommendation of the faculty of the Denison Conservatory of Music.

GRADUATE HONOR SCHOLARSHIPS**THE DENISON UNIVERSITY TUITION SCHOLARSHIP**

The Denison University Tuition Scholarship is one of the Ohio College Tuition Scholarships established by the trustees of the Ohio State University and is open to graduates of Denison for one year.

Nominations for this scholarship are made by the President and the Dean of the College.

RHODES SCHOLARSHIPS

The Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, are open to men who have completed their sophomore year in an American college. These scholarships are made available annually on the combined basis of character, scholarship, athletics, and leadership in extracurricular activities. Men interested in competing for this national award should consult the Dean of the College.

SPECIAL SCHOLARSHIPS

THE BAPTIST SCHOLARSHIP FUND

Daughters and sons of Baptist ministers and missionaries receive a scholarship allowance of \$50 a semester as long as a satisfactory scholastic average is maintained. This aid is given in recognition of Denison's heritage from the Baptist denomination throughout the entire history of the college.

THE LaVERNE NOYES SCHOLARSHIP FUND

Denison University shares in the income from the LaVerne Noyes Estate. The scholarships are restricted to needy students who are children or blood descendants of those who served in the Army or Navy of the United States in World War I.

GRANTS-IN-AID

GRANTS-IN-AID should be sought only by those who need help in meeting the expenses of their college education. A number of grants-in-aid which require the recipient to complete a work assignment are available. Certain work-exempt grants are designated for daughters and sons of faculty and employees, of Baptist ministers and missionaries, and for Baptist students preparing for the Christian ministry.

Grants-in-aid are awarded after a student has been admitted to Denison and remain in force for one year only, subject to renewal by special action of the Committee on Scholarships and Student Employment. (Renewals are announced on or about May 15.) The Committee may vary the amount of the grant as the need of the student fluctuates. The grant-in-aid normally is applied to the student's sec-

ond semester bill for college expense. However, when the grant carries a work assignment the credit is tentative until the work assignment is completed.

An applicant for a grant-in-aid must show evidence of academic worth. He must remain in good standing for the duration of his grant, and if for any reason he is placed on probation, financial assistance may be withdrawn.

The proper form for application may be obtained from the Chairman, Committee on Scholarships and Student Employment.

GRANTS AND SCHOLARSHIPS FOR MEN AND WOMEN

- THE ELIZABETH S. EWART SCHOLARSHIP FUND (\$2,506)
- THE CHARLES T. LEWIS SCHOLARSHIP FUND (\$5,000)
- THE JOHN H. DOYLE SCHOLARSHIP FUND (\$2,500)
- THE WELLS A. AND CYNTHIA ALDRICH CHAMBERLAIN SCHOLARSHIP (\$5,000)
- THE G. O. GRISWOLD SCHOLARSHIP FUND (\$5,000)
- THE DANIEL VAN VOORHIS SCHOLARSHIP FUND (\$500)
- THE SAUNDERS SCHOLARSHIP FUND (\$2,000)
- THE AMANDA SPERRY SCHOLARSHIP FUND (\$1,000)
- THE HERBERT F. STILWELL SCHOLARSHIP FUND (\$30,000)
- THE SAMUEL B. BRIERLY SCHOLARSHIP FUND (\$137,911)
- THE CLASS OF 1913 SCHOLARSHIP FUND (\$1,000)
- THE CLASS OF 1917 WAR MEMORIAL SCHOLARSHIP FUND (\$3,414)
- THE GEORGE H. SHORNEY SCHOLARSHIP FUND (\$7,500)
- THE CHARLES G. WATERS SCHOLARSHIP FUND (\$8,184)
- THE KATHERINE GEAR WIGHTMAN SCHOLARSHIP FUND (\$500)
- THE GEORGE M. ROUEBUSH SCHOLARSHIP FUND (\$7,037)
- THE DAVID E. GREEN MEMORIAL SCHOLARSHIP FUND (\$3,337)
- THE MASUO S. AND KIYO HOSHIDE SCHOLARSHIP FUND (\$747)
- THE FREDERICK P. AND MARY T. BEAVER SCHOLARSHIP FUND (\$62,304)
- THE EDWARD TAYLOR CLISSOLD MEMORIAL SCHOLARSHIP FUND (\$3,349)
- THE DORA A. FORSYTHE SCHOLARSHIP FUND (\$9,738)
- THE BLANCHE LEMERT COPELAND SCHOLARSHIP FUND (\$12,925)
- THE LESLIE B. MOSS SCHOLARSHIP FUND (\$25,641)
- THE MORTAR BOARD SCHOLARSHIP FUND (\$600)
- THE CHARLES GARDNER WATERS AND CLARA FERRIS WATERS SCHOLARSHIP FUND (\$30,036)
- THE MILLARD BRELSFORD MEMORIAL SCHOLARSHIP FUND (\$1,373)
- THE LAVERNE NOYES SCHOLARSHIP FUND (\$35,272)
- THE EMORY W. HUNT SCHOLARSHIP FUND (\$6,638)
- THE FRANK C. EWART MEMORIAL SCHOLARSHIP FUND (\$4,000)

GRANTS AND SCHOLARSHIPS FOR MEN

- THE DAVID AND JANE HARPSTER FUND (\$5,000)
- THE MARY ARNOLD STEVENS FUND (\$500)
- THE EUGENIO KINCAID LEONARD SCHOLARSHIP (\$1,000)
- THE A. F. AND A. A. BOSTWICK SCHOLARSHIP FUND (\$1,000)
- THE HARRY THURSTON CRANE SCHOLARSHIP FUND (\$5,000)
- THE MARIA T. BARNEY SCHOLARSHIP FUND (\$11,000)
- THE JOHN H. HISLOP MEMORIAL SCHOLARSHIP FUND (\$25,000)

GRANTS AND SCHOLARSHIPS FOR WOMEN

- THE J. W. KING SCHOLARSHIP FUND (\$12,000)
- THE MARTHA A. LUSE SCHOLARSHIP FUND (\$1,000)
- THE JAMES MCCLURG SCHOLARSHIP FUND (\$1,000)
- THE MARY MILLER SCHOLARSHIP FUND (\$8,282)
- THE CHARLES T. CHAPIN SCHOLARSHIP FUND (\$2,000)
- THE LIDE-SHEPARDSON-MARSH SCHOLARSHIP FUND (\$1,000)
- THE FLORA PRICE JONES SCHOLARSHIP FUND (\$1,000)
- THE AGNES WILSON WEAVER SCHOLARSHIP FUND (\$1,000)
- THE HARRY THURSTON CRANE SCHOLARSHIP FUND (\$5,000)
- THE HANNAH SNOW LEWIS SCHOLARSHIP FUND (\$16,000)

GRANTS AND SCHOLARSHIPS FOR
PREMINISTERIAL STUDENTS

- THE MARY K. MONROE FUND (\$30,000)
- THE M. E. GRAY FUND (\$5,000)
- THE DAVID THATCHER FUND (\$1,500)
- THE JOSHUA AND GWENNIE JONES FUND (\$1,356)
- THE ABIGAIL T. HOUCK FUND (\$31,717)
- THE WILLIAM HOWARD DOANE SCHOLARSHIP FUND (\$10,000)
- THE WELSH HILLS PRICES SCHOLARSHIP FUND (\$2,000)
- THE CHARLES EDWIN BARKER SCHOLARSHIP FUND (\$1,000)

FUNDS INCREASED OR ESTABLISHED

The following scholarship funds were increased during the fiscal year ending July 31, 1953:

THE SAMUEL B. BRIERLY SCHOLARSHIP FUND

Gifts of \$15,000 from the anonymous donors of the Brierly Fund increased the total in this fund to \$137,911.

THE JOHN H. HISLOP MEMORIAL SCHOLARSHIP FUND

The fund was increased by gifts of \$18,900 from the family of John H. Hislop.

THE EMORY W. HUNT SCHOLARSHIP FUND

A gift of \$100 increased the total in this fund to \$6,638.

THE MILLARD BRELSFORD MEMORIAL SCHOLARSHIP FUND

This fund has been increased by further gifts from the members of the East Cleveland Baptist Church. The fund now totals \$1,373.

THE FREDERICK P. AND MARY T. BEAVER SCHOLARSHIP FUND

Additions totaling \$12,700 during the year make the total in this fund \$62,304.

THE GEORGE M. ROUDEBUSH SCHOLARSHIP FUND

An addition of \$2,037 during the year brings the total of this fund to \$7,037.

THE FRANK C. EWART MEMORIAL SCHOLARSHIP FUND

This new fund was established by a bequest of \$4,000 from Elizabeth S. Ewart. The income is to be used for scholarships to Christian students.

STUDENT EMPLOYMENT

In making student employment available to a limited number of worthy students who need to earn a part of their expenses in college, Denison University maintains a tradition established by its founding fathers. Application for student employment should be made to the Secretary, Committee on Scholarships and Student Employment. Work assignments are made through the Office of Vocation Services. An applicant must give evidence of ability to do work of value to the college, such as laboratory assistance, dormitory assistance, dining hall service, stenographic service, or labor on the campus. He must maintain the work assignment without jeopardizing his scholastic standing and must *not be on probation* for any reason.

LOAN FUNDS AVAILABLE

Loans are available to worthy students who have completed at least one semester of residence. A loan may be used only to defray expenses specifically pertaining to a college education. The applicant

is required to furnish information regarding the purpose of the loan, any outstanding obligations to the college or to other sources, the amount of financial aid received from his parents or guardian, the total sum earned annually toward his college expenses, and the amount of life insurance carried. The promissory note must be made and co-signed by a parent or guardian, *not* by a fellow student or a faculty member. The application blank should be obtained from the Dean of Men or the Dean of Women.

Approximately \$20,000 for student loans is available from the following established funds:

The Fletcher O. Marsh Fund
The Edward LeGrande Husted Fund
The Ida S. Fisher Loan Fund
The C. L. Williams Alumni Loan Fund
The Class of 1927 Loan Fund
The Asher King Mather Loan Fund
The Edward Gear Ewart Loan Fund
The Charles F. Burke Memorial Loan Fund
The W. C. Woodyard Loan Fund
The Burton Memorial Loan Fund
The Joseph M. and Amy W. Collins Loan Fund
The Miller-Exman Loan Fund
The Millard Brelsford Memorial Loan Fund

The following loan fund was increased during the fiscal year ending July 31, 1953:

THE MILLARD BRELSFORD MEMORIAL LOAN FUND

Further gifts from the members of the East Cleveland Baptist Church brings the total of this fund to \$1,373.

ADDITIONAL SOURCES, such as foundations, fraternities, and sororities, make scholarship and loan funds available to Denison students. Information may be obtained by addressing the Cashier of the University or the Secretary of the Denison Board of Trustees, Granville, Ohio.

ACADEMIC HONORS AND PRIZES

GRADUATION WITH HONORS

Graduation with Honors is the distinction accorded a student who earns a superior rating on his honors project and in his comprehensive examinations. His diploma is inscribed with the words *Graduation with Departmental Honors*. (See Privileges Open to Superior Students under Plan of Study.)

DEAN'S LIST OF ANNUAL HONORS

A student earning a cumulative grade-point average that places him in the upper-fifth of his class (freshman, sophomore, junior, or senior), provided no grade in his year's record is below C, is placed on the Dean's List. Those attaining this honor are given public recognition at an annual convocation. Candidates for graduation who have qualified for the Dean's List throughout four years are given special recognition at Commencement.

HONORARY SOCIETIES

The Phi Beta Kappa Society, founded in 1776 to recognize and encourage scholarly pursuits, established the Theta of Ohio chapter at Denison in 1911. Annually new members are elected from students in the junior or senior classes ranking highest in scholarship.

The Phi Society, an organization for encouraging high scholarship among freshmen, was founded by the Theta of Ohio chapter of Phi Beta Kappa in 1926. A student is required to earn at least 112 grade-points during the freshman year to be considered for this honor.

Other honorary scholastic fraternities having chapters at Denison are Alpha Epsilon Delta, premedical; Delta Phi Alpha, German language; Eta Sigma Phi, classical languages; Kappa Delta Pi, education; Pi Delta Phi, French language; Pi Sigma Alpha, political science; Psi Chi, psychology; and Sigma Delta Pi, Spanish language.

Honorary organizations based on service in campus activities are Mortar Board and Omicron Delta Kappa, for leadership; Blue Key and Crossed Keys, for activities; Broadcasting Club, for radio; Franco-Calliopean, for creative writing; Masquers and University Players, for dramatics; Mu Sigma, men's music honorary; Orchesis, for modern dance; Pi Delta Epsilon, for publications; Tau Kappa Alpha, for forensics; Women's Music Honorary; and "D" Association, for athletics.

PRIZES AND AWARDS

Recognizing that true culture is largely the result of individual effort, Denison University offers a number of prizes to reward students for special excellence. Students are eligible to compete for the following prizes: (See also Honor Scholarships.)

THE LEWIS LITERARY PRIZE CONTEST

Four prizes, totaling \$100, are awarded to the four men ranking the highest in the annual contest for excellence in public speaking. The prizes were originally presented to the Franklin and Calliopean Literary Societies by Charles T. Lewis, former president of the Board of Trustees. They were continued by his son, Howard Lewis of the Class of 1900, and now by his grandsons, Melvin P. Lewis and Howard Lewis, Jr.

THE SAMSON TALBOT BIBLE READING CONTEST

This is an endowed fund yielding a first prize of \$25 and a second prize of \$12.50 for the best reading of the Scriptures. This annual contest is open to seniors and juniors.

DENISON UNIVERSITY RESEARCH FOUNDATION PRIZES

The Research Foundation annually offers three prizes of \$100 for the best theses submitted by candidates for degrees with honors. One prize is awarded in each of the three fields—science, social studies, and the creative arts—providing a project of distinct merit is presented and providing the student has not been the recipient of another substantial prize in the same year. These awards are made by a committee of three in each field, the committees to be appointed annually by the chairman of the Denison University Research Foundation.

THE WOODLAND CHEMISTRY PRIZES

A first and second prize, amounting to \$150 and \$50, are awarded annually to two junior students in regular standing who prepare, under the direction of the chairman of the Department of Chemistry, the best theses on some phase of chemistry in its relationship to industrial or everyday life. These prizes were established as a memorial to William Henry Woodland in a bequest by his son, J. Ernest Woodland of the Class of 1891.

THE FRESHMAN CHEMISTRY PRIZE

This medal is offered annually by the Denison Chemical Society to the student making the best record in Chemistry 111-112.

THE JOHN L. GILPATRICK SCHOLARSHIP AWARD (\$1,117)

This sum yields an income to be awarded annually to a member of the senior class recommended by the faculty of the Department of Mathematics for excellence in that subject.

THE RAY SANFORD STOUT ENGLISH PRIZES

Two prizes, \$20 and \$10, are awarded annually for excellence in short story writing. Manuscripts should be submitted to the chairman of the Department of English. These awards were established by Henry S. Stout of the Class of 1915 in memory of his mother.

THE LELAND J. GORDON ALUMNI PRIZE IN ECONOMICS

A prize of \$100 is awarded annually to the student enrolled in Economics 414 who prepares, under the direction of the chairman of the Department of Economics, the best original thesis dealing with a significant problem in economics. The papers are judged by persons outside of the Department. For the endowment of this prize, former students and friends of Professor Gordon contributed \$1,243 during 1952-53, making the total endowment \$1,760.

CHI OMEGA SOCIOLOGY PRIZE

A prize of \$25 is awarded to the senior woman with the highest scholastic standing concentrating in the Department of Sociology. The prize is offered annually by the Delta Gamma chapter of Chi Omega.

THE ANNIE M. MacNEILL POETRY PRIZES

Two endowed prizes are awarded: (1) To the student with high standing in English who is judged by the Department of English the most proficient in the writing of poetry, and (2) To the junior or senior who ranks highest in the course devoted to the study of Robert Browning's poetry. An annual income from a fund of \$1,000 is used for each prize.

THE SIGMA DELTA PI MEDALS

Three official awards of the American Association of Teachers of Spanish and Portuguese are offered by the Denison chapter of Sigma Delta Pi: (1) To the two students making the best records in Elementary Spanish, and (2) To the student making the best record in Second-year Spanish.

THE LOUIS KUSSMAUL FRIENDSHIP AWARD

This annual award of \$50 is made to the student who has done the most to foster friendly relations between the town and the college. Selection is made by the President of the Greater Granville Association, Inc., and the President of Denison University. This award was established by Harry W. Amos, Class of 1899, and is maintained by his bequest of \$1,800.

THE LAURA F. PLATTS SCHOLARSHIP AWARD

This annual award of \$50 is made to a senior woman who gives promise of service to mankind. Selection is based on her college record.

THE EBAUGH AWARD

This award, to encourage postgraduate study, entitles the outstanding senior majoring in chemistry to a membership in the American Chemical Society. The award was established in memory of William Clarence Ebaugh, a former professor, by a graduate of the Department of Chemistry.

THE CLARA HUDSON KING MEMORIAL AWARD

This award is given to the outstanding senior majoring in the Department of Art and is presented during the Annual Spring Art Exhibit. The award was established by Horace King, professor of Art, as a memorial to his mother.

THE CHARLES EDWARD SILBERNAGEL MEMORIAL PRIZE

This annual prize of \$100 is awarded to the senior premedical student who, in the judgment of the adviser to premedical students, has shown the greatest aptitude in premedical subjects. The recipient must have been admitted to the first year of a Class A Medical School. The prize was established by Mrs. C. E. Silbernagel and her son, Dr. Wynne Silbernagel of the Class of 1926, in memory of the husband and father.

THE DONALD BLISS ATWELL MEMORIAL PRIZE

This annual prize of \$25 is given for some outstanding effort on the part of a student in the field of Social Ethics. This prize was established by friends and members of the family as a memorial to Donald B. Atwell of the Class of 1917 in recognition of his record of service to youth as a YMCA secretary both in this country and abroad.

THE DENISON THEATRE ARTS FELLOWSHIP AWARD

The Denison Theatre Arts Fellowship, valued at \$500, must be used to finance a trip to Hollywood, California, to study the motion picture industry, or to New York City to study the legitimate theatre. The award is made to the most promising junior majoring in the Department of Theatre Arts. The fellowship was established jointly by Joseph G. Nellis of the Class of 1930 and Fred Tuerk.

THE A. H. HEISEY COMPANY DESIGN IN GLASSWARE AWARD

A competitive award of \$200 is made to a student in the Department of Art who presents the best design in glassware.





WILLIAM HOWARD DOANE LIBRARY

THE PLAN OF STUDY

Denison offers a plan of study which gives a student the general knowledge desirable for intelligent living and the specialized knowledge needed for vocational achievement. This plan allows the student a wide range of choice under the guidance of faculty and administrative personnel. (See Student Services.) The degree earned may be Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, or Bachelor of Music.

DEGREE IN ARTS OR SCIENCE

A student who satisfies the following requirements will receive the degree of *Bachelor of Arts*, except that a student who majors in one of the natural sciences (Astronomy, Biological Sciences, Chemistry, Geography, Geology, Mathematics, Physics, or Psychology) may elect to receive the degree of *Bachelor of Science*. To obtain either of these degrees the student must satisfy the following conditions:

He must earn 128 semester-hours of credit. This credit normally includes the Courses in General Education, the Field of Concentration, Physical Education, Chapel Attendance, and Electives.

His work must conform to certain scholastic requirements. These include a specified *grade-point average* in courses, the passing of a *comprehensive examination* in his field of concentration, and satisfactory scores on the *Graduate Record Examination*. He must show proficiency in English.

A student who meets these requirements with an outstanding record is eligible to become a candidate for the degree of *Bachelor of Arts with Departmental Honors* or the degree of *Bachelor of Science with Departmental Honors*.

Detailed requirements in all of these areas are explained in the following sections:

SPECIFIED REQUIREMENTS

COURSES IN GENERAL EDUCATION (See General Education) must be completed by every student. These basic course requirements will be adjusted for an upperclass student transferring to Denison. In some instances, courses he has previously taken will be accepted as the equivalent of the Denison requirements.

THE FIELD OF CONCENTRATION enables the student to specialize in a particular field of learning, either in one department or in two or more departments.

A CANDIDATE FOR THE BACHELOR OF ARTS DEGREE may concentrate in any of the following fields: Area Studies (The Americas, France, or Germany—Transdepartmental), Art, Biological Sciences (Botany or Zoology), Business (see Economics), Chemistry, Child Development and Family Life (transdepartmental), Citizenship (a transdepartmental major in the social studies), Classical Languages, Community Recreation (transdepartmental), Economics, English, Family Life and Community Participation (transdepartmental), Geography, Geology, Government, History, Mathematics, Modern Languages (French, German, or Spanish), Music (see also Bachelor of Music degree and Bachelor of Science in Education degree with major in Music Education), Philosophy, Personnel Administration (see Psychology), Physics, Psychology, Religion, Sociology, Speech, and Theatre Arts.

A CANDIDATE FOR THE BACHELOR OF SCIENCE DEGREE may concentrate in any of the following fields: Biological Sciences (Botany or Zoology), Chemistry, Geology, Mathematics, Physics, and Psychology.

A student who concentrates (or majors) in one department must successfully complete from 24 to 36 semester-hours of work (A, B, or C grades) in the department chosen. If the student earns credit in a given department in excess of 36 semester-hours, the excess must be in addition to his normal graduation requirement. Exceptions in certain departments permit the major to earn more than 36 credits. (See explanations under Departmental Courses.)

A student who wishes to concentrate in a general field, rather than in one department, shall take a minimum of 36 semester-hours (A, B, or C grades) from two or three closely related depart-

ments, with not less than 15 semester-hours, ordinarily in sequence, in one of these departments. (See also the Transdepartmental Majors.) A student who wishes to avail himself of the privilege of concentrating in a general area must make his choice not later than the beginning of the junior year. Ordinarily the choice of a major in a single department is also made not later than the beginning of the junior year.

The chairman of the department shall be the adviser of all students whose field of concentration is within that department. An appropriate faculty representative who will outline a suitable sequence of courses will be appointed for each student whose field of concentration crosses departmental lines. Such appointments will be made by the Dean of the College in consultation with the chairmen of the departments concerned.

Each student is urged to make definite choice of a field of concentration before entering his junior year. If a student decides to change his *field of concentration* during his junior year, he may be required to take an extra semester to meet graduation requirements. *Any student who changes his field of concentration during his senior year will ordinarily be required to take at least one extra semester to meet graduation requirements.*

PHYSICAL EDUCATION of one credit-hour is required each semester in the freshman and sophomore years. *A student who is excused for reasons of health must earn an equivalent amount of credit in other courses.*

CHAPEL ATTENDANCE is expected of every student. It is recognized at the rate of one-half credit for each semester providing the record shows the student has been present for 75 per cent of the chapel programs. *Any student who fails to meet this requirement in any semester must earn an equivalent amount of credit in elective courses.*

ELECTIVE COURSES of study may complete the total number of semester-hours of credit to satisfy the graduation requirements. Both the student and his adviser shall strive constantly to choose the courses that will tend to develop a well-rounded and balanced personality. Lack of acquaintance with a subject or a field constitutes a strong reason for undertaking its study.

BACHELOR OF SCIENCE IN EDUCATION

A student who satisfies the prescribed requirements will receive the degree of *Bachelor of Science in Education*.

The field of concentration shall be Education, Music Education, or Physical Education.

The student who majors in Education shall normally meet the same requirements as stated above for students who major in other departments. (See under Degree in Arts or Science.) He shall complete from 27 to 36 semester-hours of credit in Education with A, B, or C grades.

Psychology 211 is required for the B.S. in Ed. degree. A student planning to obtain a State Certificate to teach in Ohio with either a B.A. or B.S. degree may offer credit in General Education 51-52 instead of Psychology 211. This alternative does not hold for any state except Ohio.

The student who majors in Music Education or in Physical Education shall meet the requirements stated above, except that more credits are required in the field of concentration and the requirements in general education are reduced. (See Degrees in Music below or Degree Requirements in Physical Education.)

DEGREES IN MUSIC

A student who desires to earn any of the following degrees in Music should make this decision known, if possible, when he is admitted to Denison, and certainly not later than the end of the freshman year.

BACHELOR OF MUSIC

The regular undergraduate plan of study extending through four academic years leads to the *Bachelor of Music* degree if the student satisfies the following requirements:

SPECIFIED REQUIREMENTS including proficiency in English, and required Physical Education. (See Scholastic Requirements below.)

FIELD OF CONCENTRATION requires 30 semester-hours of credit of all students in Fundamental Musicianship, Harmony, Advanced Musicianship, History of Music, and Form and Analysis. (See Department of Music.)

MAJOR IN APPLIED MUSIC requires (in addition to English, Physical Education, and the 30 semester-hours in the Field of Concentration), the following:

1. Ten semester-hours of Counterpoint, Composition, or additional music courses.

2. Forty-eight hours in Applied Music. (See Music Curriculum.)
3. Electives in other academic subjects of 26 hours to complete the required total of 126-130 semester-hours.

Core course requirements are waived because of the greater concentration in music; however, the student is advised to distribute his electives among the general education courses. (See Courses in General Education.)

BACHELOR OF ARTS WITH MUSIC MAJOR

REQUIRED COURSES for a Bachelor of Arts degree with a Music major include Music 111-112, 121-122, 201, 202, 211-212, 221-222, 311-312, and 10 semester-hours in Applied Music. The performance of a graduating recital or the composition of a work of major proportions such as a Sonata or String Quartet is required. A student may complete the requirements for the degree from other academic departments.

A student planning to teach in the public schools is required to take Music 303-304 and may include Instrumental class instruction in the subject he plans to teach. Courses in Education and in Methods are considered academic subjects in computing total semester-hours of credit.

BACHELOR OF SCIENCE IN EDUCATION (MUSIC EDUCATION)

The regular undergraduate plan in preparation for public school music teaching extends through the four academic years and leads to the degree of *Bachelor of Science in Education* (Music Education) and the Ohio Provisional Certificate for the Teaching of Music if the student satisfies the following requirements:

SPECIFIED REQUIREMENTS include

A. MUSIC AND MUSIC EDUCATION (68 hours)

1. Music Education Methods, 8 hours (Education 315, 316, 409, 410)
2. Instrument and Voice Classes, 6 hours (Music 141, 142, 151, 152, 161, 162)
3. Music Courses, 10 hours (Music 201-202; 303-304; 305, 306)
4. Music Theory, 24 hours (Music 111-112; 211-212; 121-122; 221-222; 311-312)

5. Applied Music, 16 hours (two hours each semester throughout the four years)
 6. Music Ensembles, 4 hours (Music 103, 104, 203, 204)
- B. EDUCATION (15 hours)
(Education 211, 321, 412, 415-416)
- C. LIBERAL ARTS AND ELECTIVES (33 hours)
1. Required Courses, 9 hours (Course 11-12, Psychology 211)
 2. Suggested Courses, 6 hours (Course 21-22, or History 221-222, or Government and History 221 or 222)
 3. Electives, 18 hours
- D. PHYSICAL EDUCATION (4 hours)
- E. CHAPEL (4 hours)

The comprehensive examination of this degree will be divided between music and music education. Piano proficiency requirements must be met at the time of the comprehensive examination.

DIPLOMA IN PERFORMANCE

A DIPLOMA IN APPLIED MUSIC is granted to the student who fulfills the requirements as outlined for a degree in music and upon recommendation of the Conservatory of Music faculty presents a public recital in his senior year.

SCHOLASTIC REQUIREMENTS

PROFICIENCY IN ENGLISH is required for graduation. A student who falls below the national mean score on the English achievement portions of the ACE Test taken during the opening days of college must enroll in a 5-hour section of Course 11 for three credits and must pay an additional fee of \$25 for the semester. (This enrollment will, however, count as a 5-credit course in his total class schedule.) Regardless of his grade in Course 11, he must retake the test at the end of the semester. If he again scores below the mean, he must register for English 115 (Corrective English) concurrently with Course 12. If after completing Course 12 and English 115 he then scores below the mean on the achievement test, he must repeat Course 11 in a 5-hour section. A student will receive credit for Course 11 only once, but the

grade received each time he attempts the course will be recorded on his permanent record.

Regardless of his score on the ACE Test, a student whose grade in Course 11 is below C, or who is reported by two or more members of the faculty as deficient in English Composition must take English 115. If he then earns a grade below C in English 115, he must take Course 11 in a 5-hour section without additional credit.

THE GRADE-POINT SYSTEM in force at Denison is as follows:

A (*Excellent*) yields 4 points for each semester-hour of credit.

B (*Good*) yields 3 points for each semester-hour of credit.

C (*Fair*) yields 2 points for each semester-hour of credit.

D (*Passing*) yields 1 point for each semester-hour of credit.

F (*Failure*) indicates that no credit can be allowed for the course unless it has been repeated in class and completed satisfactorily.

I (*Incomplete*) means that, because of illness or other emergency, the student has been allowed an extension of time, in no case later than the middle of the next semester in residence, in which to complete his course. This notation is entered only upon recommendation of the instructor with the approval of the appropriate Dean of Students. An *Incomplete* may be changed to one of the five grades listed above when the instructor reports the course work completed.

WP (*Withdrawn Passing*) or WF (*Withdrawn Failing*) will be entered when a student officially withdraws from a class after the end of the second week in the semester. Neither is counted in computing a student's grade-point average except that WP and/or WF counts as F (failure) under certain conditions. (See Registration.)

For graduation, a student must present 120 semester-hours of credit (plus a half-hour of credit, ordinarily earned in chapel attendance, for each semester he is enrolled at Denison, and the required credit in physical education.) This normally totals 128 semester-hours of credit. His cumulative grade-average at Denison must be at least C. This means that the student's entire cumulative record including courses passed, failed, repeated, or left incomplete, must show an average of at least two quality-points for each semester-hour of credit undertaken.

If his cumulative grade-average, as defined above, falls below C at the end of any semester, a student is placed on probation. He may, however, enroll the following semester for a limited schedule to be

determined by his adviser with the approval of the Committee on Academic Status. *Unless he makes at least a C average during the semester of his probation, a student must withdraw from college, and even though he makes a C average during the semester of his probation, a student will remain on probation until his cumulative grade-point average is at least C.*

After the lapse of at least one semester, a student dropped for low scholastic standing may present to the Committee on Academic Status a petition for readmission. Favorable action by the committee can be expected only when the student presents evidence of having improved his scholastic standing during his absence.

THE GRADUATE RECORD EXAMINATION, as part of the series of nationally used achievement tests in General Education, is required of every student in the sophomore year. The test scores, which are interpreted to the student, give valuable information as to his standing with reference to students in several hundred colleges and universities throughout the country, and in comparison with his Denison classmates. They indicate the relative strength of his preparation, interests, and ability in the several areas of the curriculum. In this respect they are significant guides in a student's choice of major subject and subsequent career. *The scores in the senior year are required for admission to most graduate and professional schools, and are increasingly requested by industrial and commercial firms considering students for employment.*

A student whose scores on the Graduate Record Examination fall in the lower percentiles may expect his total record at Denison to be carefully considered. If serious general weakness is apparent, a sophomore may be denied junior standing in the subsequent year.

Any student who fails to appear for the Graduate Record Examination, unless excused by reason of illness or other emergency, will forfeit all credit for the semester in which the examination is offered.

THE COMPREHENSIVE EXAMINATION is used to measure the ability of a student to correlate his knowledge effectively. Toward the end of his senior year, a student shall be examined on his command of the facts and principles in his field of concentration and on his ability to use this knowledge in new situations. At the discretion of the department or departments concerned, a part of the comprehensive examination may take the form of a recital, thesis, or project. *The comprehensive examination must be passed in its entirety if the student is to be graduated.*

The comprehensive examination will be arranged by the student's adviser in cooperation with the other members of the department.

The comprehensive examinations of transdepartmental majors will be arranged by the student's adviser and such members of the departments involved as the Dean of the College in cooperation with the department chairmen shall designate.

PRIVILEGES OPEN TO SUPERIOR STUDENTS

A superior student is urged to make the most of the opportunities which Denison offers by pursuing Directed Study or Individual Work for Departmental Honors in his area of special interest. A superior student is defined as one whose record during the three semesters preceding his application for Directed Study or Individual Work for Honors shows at least a 3.0 grade-point average with at least 3.4 in the Field of Concentration. In addition, on the Graduate Record Examination taken in the sophomore year, a superior student must have ranked in the upper quartile of his class on the objective test in his field of interest. The chairman of a department is privileged to recommend for Directed Study or Individual Work for Honors a student who has not met these requirements.

DIRECTED STUDY in the junior year is open in most fields of concentration to superior students. In order to engage in directed study, a student must apply to his instructor for permission to pursue a subject of particular interest not already treated extensively in a regular course. On written approval of the instructor and the Dean of the College the student may register for from three to six hours of credit.

GRADUATION WITH DEPARTMENTAL HONORS is granted to a senior who fulfills certain requirements. When recommended by his academic adviser and approved by the Curriculum Committee, the student investigates a selected topic in his field of concentration. If his work is of high quality, he will be granted six credits toward graduation. If in addition to receiving an honors rating on his project, he passes his comprehensive examination with a superior rating, he will be graduated with departmental honors. (Application for graduation with honors should be made to the Dean of the College.)

WASHINGTON SEMESTER PLAN is a means of introducing superior students from a limited number of colleges to the source materials and governmental institutions at Washington, D. C. An agreement for this purpose exists between Denison and the American University in Washington, D. C. Under this plan select students from Denison spend the first semester of their junior year (or other semester

by special arrangement) at the School of Social Sciences and Public Affairs of the American University, receiving credit toward a degree from Denison.

This study includes three regular courses at the School of Social Sciences and Public Affairs of the American University, a seminar, and a directed, independent investigation on a subject of particular interest to the student. Under interinstitutional contract those participating in this plan continue to pay their tuition and room rent at Denison. While in Washington they meet their expenses for travel, meals, and incidentals directly. (Application for the Washington Semester should be made to the Chairman of the Government Department.

MERRILL-PALMER SCHOOL, Detroit, Michigan, offers an opportunity for a limited number of superior Denison students interested in work with young children to take the first semester of the senior year in residence there. (Application should be made to the chairman of the department in which the student is majoring or to the Dean of the College.)

COMBINED ARTS-PROFESSIONAL COURSES

Combined arts-professional courses enable the Denison student to obtain a degree *in absentia* if he has good reason to shorten the normal time required for a professional degree. Under certain conditions, Denison awards the bachelor's degree upon the successful completion of the first year in a recognized school of engineering, law, or medicine. To qualify for this privilege, a student must successfully complete the specified requirements for graduation at Denison with a total credit of 96 semester-hours, at the *graduating rate of two or more points for each hour*. He must also successfully complete all the specified requirements for admission to a school of engineering, law, or medicine acceptable to the Denison faculty.

On this basis, a student may earn a bachelor's degree from Denison and a degree in engineering in five years; a bachelor's degree from Denison and a degree in law in six years; a bachelor's degree from Denison and a medical degree in seven years.

A student should recognize, however, that under present conditions of admission to professional schools, particularly medical schools, a candidate who has earned a bachelor's degree has a decided advantage, and that admission without a bachelor's degree is granted only to applicants of outstanding record.

COOPERATIVE ARRANGEMENT WITH THE UNIVERSITY OF CHICAGO

Students in certain fields may follow a continuing program leading to the bachelor's degree from Denison and the master's degree from the University of Chicago in a normal academic program of five years. In this program, a student spends his first three years at Denison and the last two at the University of Chicago. During his three years at Denison the student must complete all the specified requirements for graduation except that he need not take more than four semester courses in his field of concentration and may complete his major requirements in his first year at the University of Chicago. If he follows this plan, he will take his Denison comprehensive examination at the end of his fourth year. Upon satisfactory completion of his first year at the University of Chicago the student can normally expect to receive his bachelor's degree from Denison; and, upon satisfactory completion of his second year, the master's degree from the University of Chicago. (Any student interested in this plan should consult the chairman of the department in which he wishes to do graduate work.)

COOPERATIVE ARRANGEMENT IN FORESTRY

Denison University offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a 5-year coordinated course of study, a student will hold the Bachelor of Science degree from Denison University and the professional degree of Master of Forestry from the Duke School of Forestry.

A student electing to pursue this curriculum spends the first three years in residence at Denison University and the last two years of his program at the Duke School of Forestry.

A candidate for the forestry program should indicate to the Director of Admission of Denison University that he wishes to apply for the Liberal Arts-Forestry Curriculum. Admission to Denison is granted under the same conditions as for other curricula. At the end of the first semester of the third year the University will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his academic record at Denison. No application need be made to the Duke School of Forestry prior to this time.

COOPERATIVE ARRANGEMENT IN ENGINEERING

In order to facilitate the combination of liberal arts and engineering education and to give students planning careers in engineering an opportunity to secure a broad basis for their specialized courses and thereby enhance their worth as engineers and as citizens, *Rensselaer Polytechnic Institute* and *Carnegie Institute of Technology* have entered into a combined arrangement with Denison for a five-year course. In this program, a student spends his first three years at Denison and the last two at either engineering college in accordance with the provisions described in the preceding section. Upon successful completion of the combined program, the student will hold both a Bachelor of Science degree from Denison and a Bachelor of Engineering degree from Rensselaer or from Carnegie Tech. A similar arrangement is available with other approved colleges of engineering. In this program a student must complete all the specified requirements at Denison except that he need not take more than four semester courses in his major field at Denison. On this plan he may take his comprehensive examination at the end of his first year at an engineering school.

SECONDARY SCHOOL TEACHING

A secondary school teaching certificate is issued to any qualified student providing he meets the requirements for a degree, including at least 15 semester-hours of credit in three teaching areas and the professional course requirements of the Department of Education of the State in which he plans to teach. In Ohio this requirement is 17 hours in Education and Introductory Psychology. For certification in special areas, such as Music, Physical Education, and Art, the student is advised to consult the chairman of the department concerned and the chairman of the department of Education. (See Bachelor of Science in Education.)



LIFE SCIENCE BUILDING

COURSES OF STUDY

Denison expects a student to achieve the specialization needed for success in his chosen vocation, and to acquire the general knowledge common to all well-educated persons. To these ends, a student is required to concentrate in one or more fields of learning (see Departmental Courses, kinds of majors) and to comply with the listed course requirements in general education.

COURSES IN GENERAL EDUCATION

Every well-educated person needs certain skills and an understanding of the ideas, principles, and methods which are commonly used in the chief areas of modern knowledge. In recognition of this fact, many colleges in recent years have instituted a program of general education. These courses are often referred to as *Basic or Core Courses* because they represent the common foundation of the curriculum which is required of every student *regardless of his field of specialization*. They are required in order that he may have a foundation upon which to build an enduring specialized career and in order that he may more intelligently assume his responsibilities as a citizen.

A number of the following Courses in General Education continue, with slight modification, courses which have long been offered in every college of liberal arts. Others cross traditional departmental lines to investigate broad areas of knowledge. All of them

are designed to contribute to vocational success and to provide the skills, understanding, and sense of values necessary for intelligent living.

When a student demonstrates by examination that he is proficient in the subject matter of any of the courses in general education, he will be excused by the course director from taking that course. A student who earns credit in introductory courses in the fields related to a core course may substitute these courses for the core course.

In a core course which extends through two semesters, the student is expected to earn credit in the normal sequence. Credit for the first semester will be withheld until the second semester is satisfactorily completed.

AIR FORCE ROTC trainees who are majoring in Biology, Chemistry, Mathematics, and Physics will be permitted to meet the Physical Education requirement by earning two hours' credit only. They will also be permitted to meet the requirement in Fine Arts by earning credit in Core Course 31 or 32 only, and will be permitted to meet the Literature requirement by earning six credits in a second-year course in a foreign language or in the Survey of American Literature or English Literature.

Hyphenated courses are year courses; credit indicates amount to be earned each semester.

HEALTH AND PHYSICAL EDUCATION

HEALTH EDUCATION 1-2

1

Personal and community hygiene integrated with Physical Education 111-112. (To be taken in the freshman year. Not offered in 1953-54.)

COMPOSITION

INTRODUCTION TO COMPOSITION AND LITERATURE 11-12 Miss Shannon, Chairman; Staff. 3

This course offers a review of the principles of rhetoric and the standards of usage; training in the organization of ideas and in methods of research; practice in various kinds of writing; and analytical reading of the major types of literature, ancient and modern. (To be taken in the freshman year, both semesters.)

ORAL COMMUNICATION 10

Mr. McCoy, Chairman; Staff. 3

This course trains the student to present ideas effectively from the public platform.

A student majoring in Speech or Theatre Arts may substitute an introductory course in either of these areas for Oral Communication. (To be taken in the freshman, sophomore, or junior year, either semester.)

HISTORY OF CIVILIZATION

HISTORY OF CIVILIZATION 21-22

Mr. Southgate, Chairman; Staff. 4

An investigation of the origins and development of Western culture and institutions. (To be taken in the freshman or sophomore year.)

FORMS OF FINE ARTS

FORMS OF FINE ARTS 31, 32, 33

Mr. Eschman, Chairman; Mr. H. King, Mr. Wright. Each 2

In this division, a student may choose two of the three courses. (To be taken in any year, either semester.)

FORMS OF ART 31

Mr. H. King. 2

(Art 121, Field Trip, 2 hours second semester, may be substituted for this course.)

FORMS OF MUSIC 32

Mr. Eschman. 2

(Music 205-206, Appreciation of Music, 2 hours both semesters, may be substituted for this course.)

FORMS OF THEATRE ARTS 33

Mr. Wright. 2

(Theatre Arts 113, Dramatic Interpretation, 3 hours first semester, may be substituted for this course.)

FORMS OF THINKING

MATHEMATICS 40a

Mr. Rupp, Chairman; Staff. 4

A course in which basic concepts in algebra, trigonometry, analytic geometry, and The Calculus are introduced. A student who excels in mathematics and one who plans to major in this subject, or in a

related field should substitute for this course the five-credit course, Mathematics 121. (To be taken in the freshman or sophomore year, either semester.)

or

REFLECTIVE THINKING 40b

Mr. Hepp, Chairman; Mr. Bayley. 4

The principles and problems of clear accurate thought, including analysis of meaning, logical structure, and factual inquiry in everyday life and the sciences. (To be taken in the freshman or sophomore year, either semester.)

(The student who completes Core Courses 51-52 and 53-54 is not required to take either Core Course 40a or 40b.)

PRINCIPLES OF SCIENCE

LIFE SCIENCE 51-52

Mr. Archibald, Chairman. 4

A course involving laboratory experience and demonstrations of the chief principles of organic development and behavior, sub-human and human, with emphasis upon scientific method and effective living. (To be taken in either the freshman or sophomore year.) Five lecture-laboratory sessions each week.

For this course, a student may substitute a year course, including laboratory, in astronomy, botany, chemistry, geology, physics, or zoology, and at least a semester course (three hours or more) in another science (total nine to 14 hours).

or

PHYSICAL SCIENCE 53-54

Mr. Collins, Chairman. 4

A course involving laboratory experience and demonstrations in mathematics, physics, astronomy, geology, and chemistry. Students who expect to major in a physical science may, by arrangement with the director of the course and the department chairman concerned, take this course for reduced credit. These students must, however, pass the examination on the entire course. Three lectures and one laboratory session each week. (To be taken in either the freshman or sophomore year.)

For this course, a student may substitute a year course, including laboratory, in astronomy, botany, chemistry, geology, physics, or zoology, and at least a semester course (three hours or more) in another science (total nine to 14 hours).

LANGUAGE AND LITERATURE

LANGUAGE AND LITERATURE

6-14

To complete this requirement a student may elect courses for which he is qualified in either foreign language or literature in English. (To be taken in any year.)

FOREIGN LANGUAGE. A student who takes this option must demonstrate before graduation an ability to read one of the following: French, German, Greek, Italian, Latin, Portuguese, or Spanish. The ability to read a foreign language is defined as the ability to pronounce intelligibly and to translate several passages of moderately difficult prose into good English at sight. This degree of proficiency may ordinarily be acquired by studying a language three or four years in secondary school or two years in college. All students with language training are encouraged to take a test for proficiency. Proficiency tests are regularly given at the opening of college in the fall and at the end of each semester. A student who has studied foreign language for two years in secondary school or in the freshman college year may satisfy the requirement by taking a six-credit, second-year course and passing the course examination.

LITERATURE IN ENGLISH. A student who elects to meet this requirement must gain credit in English Literature 211-212 or American Literature 231-232, and three additional hours of English or American literature or a foreign literature course studied in English translation. A student who shows proficiency in the subject matter of the courses in English or American literature by passing an examination administered by the Department of English may thus satisfy his requirements.

BASIC PRINCIPLES OF SOCIAL SCIENCE

SOCIAL SCIENCE 71-72

Mr. Nelson, Chairman; Staff. 3

An integration of principles selected from the social sciences. Emphasis is placed upon the use of scientific analysis within the social sciences and the application of this methodology to current social, economic, and political problems. (To be taken in the sophomore or junior year.)

For this course, a student may substitute the introductory courses in economics, government, or sociology. A student interested in any of these fields as a possible major is advised to make this sub-

stitution. A student who earns credit in Core Course 71-72 and decides to major in economics, government, or sociology is required to take the introductory course in the field chosen in addition to Core Course 71-72.

BASIC PHILOSOPHIC AND RELIGIOUS IDEAS

BASIC PHILOSOPHIC AND RELIGIOUS IDEAS 81-82

Mr. Scott, Chairman; Staff. 2

A study of basic ideas and ideals in contemporary civilization, with emphasis on our cultural heritage and the formation of an adequate philosophy of life. (To be taken in either the junior or senior year, both semesters.)

For this course, a student may substitute Philosophy 303 and Religion 303 or one of these and a year sequence in the other department, or a year sequence in both departments, from the following: Religion 111-112 or 213-214; Philosophy 321, 326, 331-332, or 333-334.

SUMMARY OF CORE COURSE REQUIREMENTS

Freshman Year

11-12 Introduction to Composition and Literature

Freshman or Sophomore Year

21-22 History of Civilization

Choices:

40a Mathematics or 40b Reflective Thinking

51-52 Life Science or 53-54 Physical Science (or Alternates)

Sophomore or Junior Year

71-72 Social Science or Alternates. Prerequisite: 21-22.

Junior or Senior Year

81-82 Basic Philosophic and Religious Ideas (or Alternates). Prerequisite: 71-72.

In Any Year

10 Oral Communication (or Alternates)

Two of the Forms of Fine Arts:

31 Art; 32 Music; 33 Theatre Arts (or Alternates)

6 to 14 hours of Foreign Language or 9 hours of Literature in English, including English 211-212 or 231-232

DEPARTMENTAL COURSES

The courses listed under each department indicate the areas of specialization open to a student. Departments of instruction are presented in alphabetical order.

COURSE NUMBERS. Courses offered are listed with the descriptive title and semester-hours of credit. Courses numbered 100-199 are intended primarily for freshmen; 200-299, for sophomores; 300-399, for juniors; and 400-499, for seniors. Odd-numbered courses are given in the first semester and the even-numbered ones in the second semester unless otherwise indicated. Hyphenated courses are year-courses; credit indicates amount to be earned *each semester*.

COURSES OFFERED. The University plans to offer the courses listed below but reserves the right in any year to withdraw those of interest to only a few students.

KINDS OF MAJORS. Three kinds of majors are offered: (1) departmental, (2) transdepartmental, and (3) combined. Requirements for a major in a single department are stated under each department.

One involving a study of subjects relating to more than one department is listed below as a transdepartmental major. A combined major differs from a departmental major in that the field of concentration involves courses from more than one department and requires a minimum of 36 credits in two or three closely related fields. Arrangements for a combined major may be made with the Dean of the College. Transdepartmental majors described below require the study of related subjects in several departments.

TRANSDepartmental MAJORS

MAJOR IN THE AREA STUDIES: THE AMERICAS, FRANCE, or GERMANY

A major in The Americas, France, or Germany coordinates courses dealing with foreign countries, regions, and civilizations in various departments of the university. The courses are chosen from Modern Languages, Geography, History, Government, Economics, Philosophy, Sociology, and English. This major provides background for a career in foreign service, business enterprises dealing with foreign countries, teaching, journalism, international relations work, or related activities. A student interested in enrolling for the Americas should see Mr. Alcalá; for France, Mr. Secor; and for Germany, Miss Koerber.

MAJOR IN CITIZENSHIP. The major in Citizenship is designed to give a student an understanding of social studies for intelligent citizenship, or for graduate work in applied social science, or for the study of theology. Approximately 50 semester-hours in a sequence of related courses in the social studies are required. This sequence involves courses in the departments of Economics, Government, History, Philosophy, Psychology, and Sociology, and the transdepartmental course in Critical Issues Facing American Democracy. Adviser: Mr. Nelson.

MAJOR IN COMMUNITY RECREATION. The major in Community Recreation is designed to prepare a student for leadership in organization, administration, and program services, and for further professional training in graduate school. Approximately 50 semester-hours are required in departmental course sequences in Physical Education, Psychology, and Sociology. (Adviser: Miss Shepard.)

MAJOR IN CHILD DEVELOPMENT AND FAMILY LIFE. This major is designed to prepare the student who may continue in graduate study or professional work in the field, for more adequate family life and community activity. The course sequence emphasizes courses from the departments of Family Life and Psychology with supporting courses from other departments. Approximately 50 semester-hours in a sequence of related courses is required. (Adviser: Mr. Crist.)

MAJOR IN FAMILY AND COMMUNITY PARTICIPATION. This major is designed to prepare the student for more participation in family life and community activity. Approximately 50 semester-hours in a sequence of related courses is required. (Adviser: Mr. Crist.)

TRANSDEPARTMENTAL COURSES

CRITICAL ISSUES FACING AMERICAN DEMOCRACY 300

Mr. Wirt and Staff. 1

A study of some of the issues which must be resolved if America is to maintain and develop her democratic heritage. Lectures and discussions by professors of Economics, Government, History, Philosophy, Sociology, and Religion. (Open to juniors and seniors.)

401-402. AREA STUDY: SENIOR PROBLEMS IN AREA STUDY

Modern Language Staff. 3

A terminal integrating course of independent study to be taken in the senior year by the student majoring in either The Americas, France, or Germany transdepartmental area sequence.

CITIZENSHIP 400

Mr. Nelson. 2-3

A seminar for senior students majoring in Citizenship. The student is given experience in integrating information from the various social sciences and bringing it to bear on current problems.

TYPING 1

Mrs. Yard. 0

Beginning typewriting, four hours' practice each week, either semester.

TYPING 2

Mrs. Yard. 0

Intermediate and advanced typewriting, four hours' practice each week, either semester.

AIR SCIENCE AND TACTICS

Col. Kiefer, Chairman; Maj. Hays, Capt. Jones, Capt. Bartusch,
M/Sgt. Hoover, S/Sgt. Woodling

Satisfactory completion of outlined courses and other Air Force requirements will make the student eligible for a commission in the United States Air Force Reserve. (See Air Force ROTC Program.)

Basic courses (101-102; 201-202) are open to all physically qualified male students. Advanced courses (301-302; 401-402) are open to physically qualified male students who are accepted by the Professor of Air Science and Tactics (PAST). All interested students should confer with a member of the department prior to registration. (See Courses in General Education for other requirements.)

NOTE: The course of study is divided into the basic course covering the first two years and the advanced course covering the junior year, summer camp, and senior year, in that order. The course consists of blocks of instruction totaling 480 hours, allocated as follows: Freshman and Sophomore years, 90 hours each; Junior and Senior years, 150 hours each; and Summer Camp, an additional 232 hours.

101-102. BASIC AIR SCIENCE

Staff. 1

Introduction to aviation, fundamentals of global geography, international tensions and security organizations, instruments of national military security and drill—Basic Military Training.

201-202. BASIC AIR SCIENCE

Staff. 1

Elements of aerial warfare; introduction to targets, weapons, aircraft, air ocean, bases and forces. Review of careers in US Air Force. Leadership laboratory consisting of drill and cadet non-commissioned officers' training. Prerequisite, 101-102 or equivalent.

301-302. ADVANCED AIR SCIENCE

Staff. 3

The Air Force Commander and his staff, problem-solving techniques, communications process and Air Force correspondence, military law, boards and courts, applied Air Science, Aircraft engineering, navigation and weather, Air Force base functions and leadership laboratory. Prerequisite: Basic Course or equivalent and approval of the PAST.

401-402. ADVANCED AIR SCIENCE

Staff. 3

Principles of leadership and management, guidance in Air Force career, military aspects of world political geography, military aviation and the art of war, and briefing for commissioned service. Leadership laboratory and exercise of command. Prerequisite: 301-302 or equivalent and approval of the PAST.

ART

Mr. Horace King, Chairman; Miss Lee, Mr. Johannesen, Mrs. Warren

The courses are arranged in sequences to meet the needs of students interested in studio work and those desirous of specializing in nonstudio courses, such as art criticism and history of art.

MAJOR IN ART

An Art major who expects to begin preparation for the professional fields of design, painting, advertising art, industrial design, architecture, teaching and museum work should begin with the elementary courses 101 and 111-112, then confer with the staff for a proper sequence of courses in advanced study.

Requirements for all Art majors include 101, 111-112, 113-114, 205-206, a choice of either 213-214 or 215-216, and 407-408 or 425-426.

Courses 31-32-33 serve as an introduction to art appreciation but do not count toward a major in art.

101-102. ART THEORY

Mr. King, Miss Lee. 1

General course in art structure and terminology designed to acquaint the student with professional opportunities in Art and to integrate the several courses. To be taken with 111-112 and 113-114.

103-104. ELEMENTS OF ART

Mrs. Warren. 2

Studio course for those wishing some experience in practice but not choosing to major in Art.

106. ART CRITICISM

Mr. King. 2

Brief survey of criticism followed by practical problems in writing critical analyses of selected art forms. (Not offered in 1953-54.)

111-112. DRAWING

Mr. Johannesen. 2

Studio course in freehand drawing; still life, figure, and landscape. To be taken with 101-102 and 113-114.

113-114. DESIGN

Miss Lee. 2

Studio course in theory and application of design with practice in black and white and color, using line, plane, and volume as design problems. May be taken with 101-102 and 111-112.

121. FIELD TRIP

Mr. King, Miss Lee. 2

Spring vacation field trip to metropolitan museums, galleries, and other art centers, preceded by study of collections and followed by written reports. (May be substituted for Course 34.)

151-152. HOMEPLANNING

Mr. King. 2

Illustrated lectures covering problems of planning, equipping, and furnishing the home.

203-204. ELEMENTS OF ART

Mrs. Warren. 2

Continuation of 103-104.

205-206. HISTORY OF ART

Mr. King. 3

General survey of the Arts of the Western World. Primitive, Ancient, and Medieval (first semester); Renaissance, Baroque, and Modern (second semester).

213-214. WATER COLOR PAINTING

Miss Lee. 2

Prerequisites: 112 and 114.

215-216. OIL PAINTING

Mr. Johannesen. 2

Prerequisites: 112 and 114.

221-222. TECHNICAL PROBLEMS

Staff. 2

Choice of an individual problem from the following:

A. Ceramics

D. Illustration

B. Design Projects

E. Lettering and Layout

C. Graphics

F. Metalwork

G. Sculpture

313-314. INTERMEDIATE WATER COLOR

Miss Lee. 2

Prerequisite: 214.

- 315-316. INTERMEDIATE OIL PAINTING Mr. Johannesen. 2
Prerequisite: 216.
- 321-322. INTERMEDIATE TECHNICAL PROBLEMS Staff. 2
Prerequisite: 222.
- 361-362. DIRECTED STUDY IN ART Mr. King. 3
- 407-408. MODERN ART HISTORY Miss Lee. 2
19th Century background: Classicism and Romanticism in architecture, sculpture, and painting; Idealism, Objective and Romantic Realism, and Impressionism in painting (first semester). 20th Century, beginning with Post-Impressionism in painting, continuing with the study of other schools in painting and sculpture plus the foundations of contemporary architecture (second semester). Offered as a year course but credit may be earned for either semester. Prerequisite: 206 or consent of instructor.
- 413-414. ADVANCED WATER COLOR Miss Lee. 2
Prerequisite: 314.
- 415-416. ADVANCED OIL PAINTING Mr. Johannesen. 2
Prerequisite: 316.
- 421-422. ADVANCED TECHNICAL PROBLEMS Mr. King and Staff. 2
Prerequisite: 322.
- 425-426. ART IN AMERICA Mr. King. 2
A study of American art from Colonial times to the present with particular emphasis upon America's 20th Century contribution to world art. Prerequisite: 206 or consent of instructor.
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3
- THE TEACHING OF PUBLIC SCHOOL ART (See Education 341.)

ASTRONOMY

Mr. Smith, Acting Chairman; Mr. Wheeler (on leave second semester)

Astronomy 111 and 112 are intended primarily for those who desire an elementary acquaintance with the physical universe. Those who wish a 4-hour course with laboratory may elect 113 and 114 in combination with 111 and 112.

MAJOR IN ASTRONOMY

Requirements for a major in Astronomy are 24 semester-hours of credit in the courses in Astronomy in addition to The Calculus and Physics 121-122, 211-212, and six hours chosen from Physics 311, 312, 313, 314, 333, 334, and 344.

111. DESCRIPTIVE ASTRONOMY Mr. Wheeler. 3

Celestial sphere: coordinate systems and constellation study; the solar system—motions of the earth and moon; latitude, longitude, and time; planets, comets, and meteors. Astronomy 113 is recommended as an accompanying course. *No previous training in Physics or College Mathematics is required.*

112. DESCRIPTIVE ASTRONOMY Mr. Wheeler. 3

The Galactic System—the sun as a star; distances, motions, luminosities, types and classes of stars, and their spectra; extragalactic systems. Prerequisite: 111 or consent of instructor.

113. LABORATORY ASTRONOMY Mr. Wheeler. 1

Devoted principally to problems intended to clarify the lecture material of Astronomy 111. May be taken only in combination with 111. (Evening to be arranged.)

114. LABORATORY ASTRONOMY Mr. Wheeler. 1

Continuation of 113, paralleling 112. (Evening to be arranged.)

211-212. GENERAL ASTRONOMY Mr. Wheeler. 3

A secondary comprehensive course for majors in Astronomy and related sciences. Prerequisite: 111, 112, or consent of instructor.

215. STELLAR ASTRONOMY 3

Prerequisite: 111, 112, and consent of instructor.

218. THEORY AND PRACTICE OF OBSERVATION Arr.

Prerequisite: 113, 114, and consent of instructor.

221-222. SEMINAR Arr.

Consent of instructor.

411. CELESTIAL MECHANICS 3

Prerequisite: The Calculus.

414. ASTROPHYSICS 3

Consent of instructor.

BIOLOGICAL SCIENCES

Mr. Lindsey, Chairman (on leave first semester); Mr. Morgan (Acting Chairman first semester); Mr. Truman, Mr. Alrutz

Courses 111-112, 115-116, 201-202, 225, and 226 offer subject matter of general interest. While 111-112 meets the minimum entrance requirement of medical schools, 211, 212, and 224 are recommended or required by some. Medical schools require a medical admission test in the student's final undergraduate year, for which the fee of \$10 is payable to the testing organization. Courses 51-52 is accepted as a prerequisite for advanced courses in place of 111-112.

MAJOR IN BIOLOGY

A major must include 111-112 or an acceptable equivalent, with advanced courses related to the student's principal interest. The sequence is arranged in consultation with the staff member with whom the student chooses to do his advanced work, or with the chairman of the department. A major for premedical students usually includes 111-112, 211, 212, 223, and 224.

111-112. INTRODUCTORY BIOLOGY

Staff. 4

General biological principles and animal life, with a limited amount of plant study.

113. NATURE STUDY

Mr. Alrutz. 3-4

A course devoted to the biology and identification of local wild life, mostly in the field. Prerequisites: Biology 111-112, Course 51-52, or Biology 115-116. (Offered in alternate years, first semester only, beginning in 1953-54.)

115-116. GENERAL BOTANY

Mr. Truman. 3

A consideration of fundamental biological principles as expressed in the structure and activities of plants, including reproduction and inheritance, identification of common trees and weeds, and a survey of the great plant groups.

120. LOCAL FLORA

Mr. Truman. 3

Taxonomic study of the plants of the region including the spring flowering species and the common trees in winter and summer condition.

201-202. ANATOMY AND PHYSIOLOGY

Mr. Morgan. 2

The normal structure and functions of the human body.

211. COMPARATIVE ANATOMY

Mr. Morgan. 4

A study of the phylum Chordata based chiefly on anatomical relations with brief consideration of classification and habits. Laboratory work is chiefly detailed dissection and comparative study of the primitive chordates, the shark, *Necturus*, and the rat. Prerequisite: 111-112 or Course 51-52.

212. MAMMALIAN ANATOMY

Mr. Morgan. 4

Anatomy of mammals based on the cat, with human material for comparison. This course usually follows 211 but may be taken separately. Prerequisite: 111-112 or Course 51-52.

213-214. FIELD BIOLOGY

Mr. Alrutz. 3-4

A course in basic ecology with emphasis on the techniques of field study, collection, preservation, and identification. Prerequisites: Biology 111-112 or Course 51-52. (May not be taken for credit in addition to Biology 113.) This full-year course starts in the spring semester and is, therefore, not ordinarily open to seniors. (Offered in alternate years, 214 being given in the fall of 1953.)

215. BACTERIOLOGY

Mr. Truman. 5

Introductory course emphasizing the practical work of the laboratory in culturing and identifying micro-organisms. Prerequisite: 111-112, Course 51-52, 115-116, or chemistry major.

216. DETERMINATIVE BACTERIOLOGY

Mr. Truman. 2-3

Laboratory practice in the preparation of special bacteriological media, stains and reagents and their use in the identification of unknowns. Prerequisite: 215 and consent of instructor.

218. PLANT MORPHOLOGY

Mr. Truman. 4

Comparative study of the structure and life cycles of the major plant groups with reference to their evolutionary relationships.

222. PARASITOLOGY

Mr. Alrutz. 4

A study of the common parasites of animals with special emphasis on those affecting man. Prerequisite: Biology 111-112 or Course 51-52. (Offered in alternate years beginning with the spring semester in 1955.)

223. HISTOLOGY

Mr. Lindsey. 5

The minute anatomy of vertebrates, chiefly mammals, including the making of microscopic preparations. Prerequisite: 111-112, or Course 51-52.

224. EMBRYOLOGY

Mr. Lindsey. 5

The development of the vertebrate body, based on the study of the frog, chick, and pig. Usually follows 223 but may be taken separately. Prerequisite: 111-112, or Course 51-52.

225. GENETICS

Mr. Lindsey. 2

A basic course in the principles of heredity, their importance in human life and their bearing on evolution. Prerequisite: 111-112, 115-116 or Course 51-52. Superior upperclass students may be admitted by consent without prerequisites.

226. EVOLUTION

Mr. Lindsey. 2

The relations of living things, including the origin of life and existing species and theories of organic evolution. Prerequisite: 225 or consent of instructor.

227-228. ENTOMOLOGY

3

Introductory study of insects. Offered only by special arrangement.

232. PLANT PHYSIOLOGY

Mr. Truman. 3-4

A lecture, laboratory, and greenhouse study of the functional relationships of the plant body in which absorption and transfer of materials, photosynthesis, respiration, and transpiration are treated with special attention to the problems of plant growth, development, and propagation. Prerequisite: 115.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

CHEMISTRY

Mr. Ronneberg, Chairman; Mr. Everhart, Mr. Spessard, Mr. Brown

Courses in Chemistry provide a general cultural background, preparation for entering chemical industry or for graduate study in pure chemistry or chemical engineering; and basic preparation for professional work in certain scientific fields of medicine, dentistry, physics, and engineering, and as laboratory technicians.

A deposit of \$5 a semester for breakage and non-returnable supplies is required except for 413-414, and 450.

MAJOR IN CHEMISTRY

The department is among those accredited by the American Chemical Society with respect to facilities, faculty, and curricula. A student who wishes certification to the American Chemical Society must also have earned credit in 311-312, 450, and in at least one of the following courses: 361-362, 415, 417, 419 or 461-462. In addition he must have earned credit in Mathematics 216 or 222, and must have a reading knowledge of German. A student who finishes this sequence of courses may elect to receive the B.S. degree and will meet the requirements for entrance to graduate schools of chemistry.

Students may graduate with a B.A. degree on fulfillment of graduation requirements and completion of the following courses: 111-112, 213, 214, 323-324; Physics 115-116 or 121-122; and Mathematics 116 or 122. Courses 111-112 and 323-324 meet the entrance requirements of medical schools as a minimum, while 213 and 214 are considered highly desirable and are required by many medical schools.

109-110. CHEMISTRY OF THE HOME AND COMMUNITY Staff. 3
Introductory course in chemistry with practical applications to Home Economics and allied fields. (Open to women.)

111-112. GENERAL CHEMISTRY INCLUDING QUALITATIVE ANALYSIS Staff. 4

The fundamental principles of chemistry including qualitative analysis. It is recommended that a student have completed a high school course in Physics or Chemistry as a preparation for this course. Prerequisites: High school algebra and geometry.

213. ELEMENTARY PHYSICAL CHEMISTRY Mr. Everhart. 4

Further emphasis on the fundamental principles of chemistry including structure, properties of solutions and colloidal suspensions, and equilibrium. Laboratory assignments are designed to stress skill in the use of an analytical balance. Prerequisite: 112.

214. QUANTITATIVE ANALYSIS Mr. Everhart. 4

Gravimetric, volumetric, and electrometric methods of analysis; drill in calculations and fundamental theories. Prerequisite: 213. Designed for premedical students, technicians, and those who wish an elementary course.

215. ANALYTICAL CHEMISTRY Mr. Brown. 4

Early emphasis on studies of colloidal systems and fundamental laws of equilibria and other properties of solutions. Later emphasis

on principles and procedures of quantitative analysis. Prerequisites: 112, Mathematics 40a, and consent of instructor. Both 215 and 216 are designed for the needs of chemistry and engineering majors (candidates for the B.S. degree).

216. QUANTITATIVE ANALYSIS

Mr. Brown. 4

A continuation of quantitative analysis, including volumetric, gravimetric, and electrometric methods. Prerequisite: 215.

311-312. THEORETICAL CHEMISTRY

Mr. Ronneberg. 4

Full and mathematical treatment of fundamental theories underlying the science of chemistry. Prerequisite: 216; Physics 116 and laboratory course; and Mathematics 215-216 or 221-222. Physics majors accepted on recommendation of their adviser.

323-324. ORGANIC CHEMISTRY

Mr. Spessard. 4

The chemistry of aliphatic, aromatic, and heterocyclic compounds of carbon. Prerequisite: 112; junior standing preferred.

361-362. DIRECTED STUDY IN CHEMISTRY

Staff. 3

Prerequisite: 214 and registration in 311.

413-414. HISTORY OF CHEMISTRY

Mr. Everhart. 1

A seminar course. Consent of instructor.

415. QUALITATIVE ORGANIC ANALYSIS

Mr. Spessard. 3

Methods of qualitative organic analysis. Prerequisite: 324.

417. ADVANCED INORGANIC CHEMISTRY

Staff. 3

The systematic study of inorganic compounds with laboratory preparations. Prerequisites: 311 and registration or credit in 312.

419. INSTRUMENTAL ANALYSIS

Mr. Brown. 4

The theory and practice of instrumental analysis to include spectrophotometry, pH measurements, electrodeposition, and polarography. Some advanced topics in physical and inorganic chemistry are also included. Prerequisite: Chemistry 312 or consent of instructor.

450. SEMINAR AND READING COURSE

Staff. 2

Designed to integrate the student's work in the various areas of chemistry, to require familiarization with the chemical literature, and to prepare students systematically for the comprehensive examinations in Chemistry. Meets two hours a week both semesters.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

CLASSICAL LANGUAGES

Mr. L. R. Dean, Chairman (part-time)

COURSES IN CLASSICAL CIVILIZATION

(These courses do not require use or study of Greek or Latin Languages.)

GREEK 101. GREEK CIVILIZATION 2
Topical study of the chief aspects of ancient Greek life and thought. May be included in a History major. (Not offered in 1953-54.)

LATIN 104. ROMAN CIVILIZATION 2
Structure of Roman customs and institutions as a legacy to the modern world. (Not offered in 1953-54.)

GREEK 201. GREEK DRAMA 2
Fifteen plays, tragedies, and comedies are read and discussed. Alternates with 203.

GREEK 203. GREEK LITERATURE IN ENGLISH 2
Cross-section of the varied forms of literary expression, exclusive of drama. Alternates with 201. (Not offered in 1953-54.)

GREEK 204. MYTHOLOGY-RELIGION 2
A survey of the principal myths and a study of their use in European and American Literature and Art. (Not offered in 1953-54.)

LATIN 206. LATIN LITERATURE IN ENGLISH 2
Selections from the leading writers. Alternates with Greek 204.

COURSES IN LANGUAGE

(Any of the following will be given, if demand warrants.)

GREEK

111-112. INTRODUCTION TO THE GREEK LANGUAGE 3
Forms, grammar, and elementary reading. Open to the students of all classes.

211-212. GREEK NEW TESTAMENT 3
One of the Gospels (first semester); One of Paul's Epistles (second semester). Prerequisite: 111-112.

LATIN

101. SELECTIONS FROM CICERO 3
Prerequisite: Two or three years of high school Latin. (Not offered in 1953-54.)
102. VIRGIL 3
Selections from the first six books of the *Aeneid*. Prerequisite: Three years of high school Latin. (Not offered in 1953-54.)
- 111-112. SELECTIONS FROM LATIN LITERATURE 3
Principally comedies, lyric, elegiac, and satiric poetry. Prerequisite: Four years of high school Latin.
211. CICERO AND OVID 3
History and mythology. Sight reading.
212. PLINY AND ROMAN HISTORIANS 3
Letters and essays.
- 311-312. VIRGIL 3
A study of all the poems of Virgil. (Not offered in 1953-54.)
- LATIN 206. LATIN LITERATURE IN ENGLISH 2
Selections from the leading writers. Alternates with Greek 204. (Not offered in 1953-54.)

ECONOMICS

Mr. Gordon, Chairman (on leave 1953-54); Mr. Lehman, Acting Chairman;
Mr. Nelson, Mr. Elliott, Mr. Bachmura, Mr. Atlee

A student wishing to concentrate in Economics may choose between a major in Economics and a major in Business.

MAJOR IN ECONOMICS

The major in Economics is designed for students who expect to pursue graduate study in Economics leading to a teaching or research career, for those who expect to enter government service, and for those who expect to enter business as economic consultants, advisers, statisticians, financial analysts, or research directors.

A student majoring in Economics is required to take 211-212 and at least 18 semester-hours chosen from the following courses: 223-

224, 313, 315, 317-318, 410, 413, 414, 421-422, 431, and 440. He may take additional courses in this department up to a maximum of 36 hours and should take at least 30 hours.

He is required to take the following related courses in the freshman year: Courses 40a and 40b *or* 40a and Mathematics 108; and History 121-122.

In addition a major in Economics is required to take at least 12 hours among the following related courses: Geography 221, 226; Government 211, 312, 345; Mathematics 205-206; Philosophy 321, 326; Psychology 211, 320, 417; Sociology 207, 208, 415. A student who contemplates graduate study or government service should elect a modern foreign language.

MAJOR IN BUSINESS

A major in Business is designed for those who expect to engage in business and whose interests run toward the study of applied economics.

A major in Business is required to take 211-212 and at least 18 semester-hours chosen from the following courses: 223-224, 313, 314, 315, 316, 317-318, 332, 410, 419, 424, 440, 442, and 444. He may take additional courses in this department up to a maximum of 36 hours and should take at least 30 hours.

He is required to take Courses 40a and 40b *or* 40a and Mathematics 108; and History 121-122 in the freshman year.

In addition a business major is required to take at least 12 hours among the following related courses: Geography 221, 226; Government 211, 231-232, 345; Mathematics 205-206; Philosophy 321, 326; Psychology 211, 320, 417; Sociology 207, 415.

Every major in Economics and Business should take 223 concurrently with 211, and 224 concurrently with 212.

211-212. PRINCIPLES AND PROBLEMS OF ECONOMICS Staff. 3

This course, primarily designed for social science majors, is oriented to present an explanation of how the private enterprise system operates, and to provide fundamental economic principles, and working tools prerequisite for economic analysis.

223-224. ACCOUNTING SURVEY Staff. 3

A survey course of accounting designed specifically for liberal arts students interested in business, economics, law, and government. Introduction to the principles of financial statements, costs and revenues, cost accounting, non-profit accounting, consolidated statements, and analysis of financial statements.

313. PRINCIPLES OF TRANSPORTATION

Staff. 3

The American system of railroad, highway, air, and inland water transportation. Valuation, rate making, public control, and related problems of common carriers. Prerequisites: 211-212, or consent of instructor.

314. PRINCIPLES OF MARKETING

Staff. 3

Fundamentals of marketing, a study of the marketing functions and agencies involved in marketing, and of the structure of markets, competitive practices, distribution policies, and pricing. Prerequisites: 211-212, or consent of instructor.

315. MONEY AND BANKING

Mr. Lehman, Mr. Elliott. 3

Principles of money, credit, and banking, including a study of the institutions and financial organizations designed to supply society with adequate media of exchange. Development of American monetary and banking practices and policies. Prerequisites: 211-212, or consent of instructor.

316. CORPORATE ORGANIZATION AND FINANCE

Mr. Atlee. 3

Principles underlying the promotion, organization, financial structure, control, failure, and reorganization of corporate enterprise. Prerequisites: 211-212, or consent of instructor. It is highly desirable that students registering for this course shall also have had 223-224.

317-318. LABOR ECONOMICS

Mr. Gordon, Mr. Elliott. 2

Employer-employee relations as they affect individuals and the national economy. The functions of various branches of government in the cross currents of employer, employee, and consumer interests. *Both semesters must be completed for credit.* Prerequisites: 211-212, or consent of instructor.

322. ECONOMICS FOR CONSUMERS

Mr. Gordon, Mr. Bachmura. 3

An analysis and evaluation of consumers' role in the economy, followed by consideration of forces affecting consumer demand such as custom, fashion, and advertising, concluding with a study of ways in which consumers can perform their functions more effectively.

361-362. DIRECTED STUDY IN ECONOMICS

Staff. 3

410. PUBLIC FINANCE

Mr. Lehman. 3

Public revenues, expenditures, debt, and financial administration, with special attention to the theory and practice of taxation and to problems of fiscal policy. Prerequisites: 211-212, or consent of instructor.

413. RECENT DEVELOPMENTS IN ECONOMIC THOUGHT Mr. Lehman,
Mr. Elliott. 2
Based on readings in current economic journals. Consent of instructor.
414. SEMINAR Mr. Lehman. 2
Introduction to principles and methods of research. Consent of instructor.
419. PRINCIPLES OF INSURANCE Mr. Atlee. 3
Survey of property, casualty, liability, and social insurance, with special emphasis on the principles of life insurance. Open to senior majors and non-majors.
- 421-422. ADVANCED ECONOMIC ANALYSIS Mr. Nelson. 2
Application of the tools of economic analysis to problems of production, pricing, distribution, income, and employment. Prerequisites: 211-212.
424. PRINCIPLES AND PRACTICES OF INVESTMENTS Mr. Lehman. 3
The social implications of investments; the problem of investing funds from the individual viewpoint; analysis of types of securities; methods of analyzing specific securities; evaluation of forecasting methods. Prerequisites: 211-212, and 223-224.
431. INTERNATIONAL TRADE AND FINANCE Mr. Atlee. 3
Bases of trade among nations; the theory and mechanism of international financial transactions; evaluation of international commercial and financial policies, with special reference to those of the United States. Prerequisites: 211-212 or consent of instructor.
440. WASHINGTON FIELD TRIP Mr. Nelson. 2
A trip to observe the federal government perform its economic functions. Conferences are arranged with individuals prominent in formulating or administering governmental economic policies. Spring vacation. Consent of instructor.
- 442-444. DENISON BUSINESS COUNCIL FIELD TRIP Mr. Lehman,
Mr. Elliott. 2
A field trip for the purpose of observing outstanding business and financial organizations in operation. Conferences will be arranged with prominent executives of the various companies. Trips are arranged in alternate years; 442 to Columbus and Cleveland one year; 444 to Columbus, Cincinnati, and Dayton, the next year. Spring vacation. Consent of instructor.
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

EDUCATION

Mr. Carter, Chairman; Mr. Major, Mr. Schaff

TEACHER PREPARATION. Denison University is accredited by the State Department of Education in Ohio in the teacher-preparation field of secondary education, including the junior high school and senior high school. The University also offers some of the courses required in the preparation of teachers and leaders in the fields of religious, commercial, and elementary education. *Special Certificates in Music* (See Music Curriculum) and *Physical and Health Education* may be obtained by both men and women (see Physical Education) on completion of the required courses of these curricula. A student registering for courses in Education must obtain at least the mean score on the American Council on Education Psychological Examination or its equivalent on another test. He must also make a satisfactory rating on standardized tests in English, handwriting, and vocabulary. The student will be required to submit to a speech test given by the Department of Speech and, if found deficient, must register for appropriate courses.

A student expecting to become a teacher or coach of athletics should confer with the members of the Department of Education as early as possible on planning an effective four-year schedule.

A student who takes practice-teaching must meet the requirements for teacher certification in the State of Ohio. A student who plans to meet the certification requirements of other States should confer with the members of the Department of Education as early as possible in order to elect the proper courses.

MAJOR IN EDUCATION. A student majoring in Education qualifies for a Bachelor of Science in Education degree. He is required to take a minimum of 24 hours in the department, and General Psychology. He must take the following courses: Education 211, 216, 321, 325, 326 or special methods in an academic subject; 412, and 415 or 416.

- | | |
|--|---------------|
| 211. INTRODUCTION TO SCHOOL MANAGEMENT | Mr. Carter. 3 |
| Open to freshmen with consent of instructor. | |
| 215. HISTORY OF EDUCATION IN THE UNITED STATES | Mr. Schaff. 3 |
| 216. HISTORY OF EDUCATION | 3 |
| Open to freshmen with consent of instructor. | |
| 309. EDUCATIONAL SOCIOLOGY | Mr. Schaff. 3 |

311. THE TEACHING OF SCIENCE Mr. Truman. 3
Prerequisites: Education 321, Psychology 211.
315. METHODS OF MUSIC FOR THE ELEMENTARY SCHOOLS Mr. Alley. 3
Prerequisites: Education 321, Psychology 211. Alternates with 316.
316. METHODS OF TEACHING MUSIC IN THE HIGH SCHOOL Mr. Alley. 3
Prerequisites: Education 321, Psychology 211. Alternates with 315.
320. THE TEACHING OF SOCIAL STUDIES Mr. Schaff. 3
Prerequisites: Education 321, Psychology 211.
321. EDUCATIONAL PSYCHOLOGY Mr. Carter. 3
Application of the principles of growth and learning to education. Prerequisite: Psychology 211 or Course 51-52.
322. EDUCATIONAL GUIDANCE Mr. Schaff. 3
Specific practices to prospective teachers of the secondary schools whether they become administrators, counselors, supervisors, or other members of the school staff.
325. EVALUATION OF TEACHING Mr. Major. 3
Construction and use of tests; selection of standard tests; and interpretation of test results.
326. THE TEACHING OF GENERAL METHODS IN HIGH SCHOOL
Mr. Major. 3
Prerequisites: Education 321, Psychology 211.
331. THE TEACHING OF ENGLISH Miss Lewis. 3
Prerequisites: Education 321, Psychology 211.
333. THE TEACHING OF LATIN 2-3
Prerequisites: Education 321, Psychology 211.
335. THE TEACHING OF MATHEMATICS 3
Prerequisites: Education 321, Psychology 211, Mathematics 116 or 122. (Offered in 1953-54.)
339. THE TEACHING OF SPEECH Mr. Crocker. 2
History of rhetorical thought, psychology of language, phonetics, the shaping of speech curriculum. Prerequisites: Education 321, Psychology 211.
341. THE TEACHING OF PUBLIC SCHOOL ART 4
Prerequisites: Education 321, Psychology 211.

EDUCATION

Mr. Carter, Chairman; Mr. Major, Mr. Schaff

TEACHER PREPARATION. Denison University is accredited by the State Department of Education in Ohio in the teacher-preparation field of secondary education, including the junior high school and senior high school. The University also offers some of the courses required in the preparation of teachers and leaders in the fields of religious, commercial, and elementary education. *Special Certificates in Music* (See Music Curriculum) and *Physical and Health Education* may be obtained by both men and women (see Physical Education) on completion of the required courses of these curricula. A student registering for courses in Education must obtain at least the mean score on the American Council on Education Psychological Examination or its equivalent on another test. He must also make a satisfactory rating on standardized tests in English, handwriting, and vocabulary. The student will be required to submit to a speech test given by the Department of Speech and, if found deficient, must register for appropriate courses.

A student expecting to become a teacher or coach of athletics should confer with the members of the Department of Education as early as possible on planning an effective four-year schedule.

A student who takes practice-teaching must meet the requirements for teacher certification in the State of Ohio. A student who plans to meet the certification requirements of other States should confer with the members of the Department of Education as early as possible in order to elect the proper courses.

MAJOR IN EDUCATION. A student majoring in Education qualifies for a Bachelor of Science in Education degree. He is required to take a minimum of 24 hours in the department, and General Psychology. He must take the following courses: Education 211, 216, 321, 325, 326 or special methods in an academic subject; 412, and 415 or 416.

- | | |
|--|---------------|
| 211. INTRODUCTION TO SCHOOL MANAGEMENT | Mr. Carter. 3 |
| Open to freshmen with consent of instructor. | |
| 215. HISTORY OF EDUCATION IN THE UNITED STATES | Mr. Schaff. 3 |
| 216. HISTORY OF EDUCATION | 3 |
| Open to freshmen with consent of instructor. | |
| 309. EDUCATIONAL SOCIOLOGY | Mr. Schaff. 3 |

311. THE TEACHING OF SCIENCE Mr. Truman. 3
Prerequisites: Education 321, Psychology 211.
315. METHODS OF MUSIC FOR THE ELEMENTARY SCHOOLS Mr. Alley. 3
Prerequisites: Education 321, Psychology 211. Alternates with 316.
316. METHODS OF TEACHING MUSIC IN THE HIGH SCHOOL Mr. Alley. 3
Prerequisites: Education 321, Psychology 211. Alternates with 315.
320. THE TEACHING OF SOCIAL STUDIES Mr. Schaff. 3
Prerequisites: Education 321, Psychology 211.
321. EDUCATIONAL PSYCHOLOGY Mr. Carter. 3
Application of the principles of growth and learning to education. Prerequisite: Psychology 211 or Course 51-52.
322. EDUCATIONAL GUIDANCE Mr. Schaff. 3
Specific practices to prospective teachers of the secondary schools whether they become administrators, counselors, supervisors, or other members of the school staff.
325. EVALUATION OF TEACHING Mr. Major. 3
Construction and use of tests; selection of standard tests; and interpretation of test results.
326. THE TEACHING OF GENERAL METHODS IN HIGH SCHOOL Mr. Major. 3
Prerequisites: Education 321, Psychology 211.
331. THE TEACHING OF ENGLISH Miss Lewis. 3
Prerequisites: Education 321, Psychology 211.
333. THE TEACHING OF LATIN 2-3
Prerequisites: Education 321, Psychology 211.
335. THE TEACHING OF MATHEMATICS 3
Prerequisites: Education 321, Psychology 211, Mathematics 116 or 122. (Offered in 1953-54.)
339. THE TEACHING OF SPEECH Mr. Crocker. 2
History of rhetorical thought, psychology of language, phonetics, the shaping of speech curriculum. Prerequisites: Education 321, Psychology 211.
341. THE TEACHING OF PUBLIC SCHOOL ART 4
Prerequisites: Education 321, Psychology 211.

343. THE TEACHING OF MODERN LANGUAGES Mr. Preston. 3
Prerequisites: Education 321, Psychology 211.
351. METHODS OF TEACHING PHYSICAL ACTIVITIES IN THE
ELEMENTARY SCHOOLS Mr. Jenkins. 4
Prerequisites: Education 321, Psychology 211.
352. METHODS OF TEACHING PHYSICAL ACTIVITIES IN THE
HIGH SCHOOLS Mr. Jenkins, Miss Ross. 4
Prerequisites: Education 321, Psychology 211.
353. METHODS IN RECREATIONAL DANCE Miss Van Horn. 2
Prerequisites: Education 321, Psychology 211.
401. METHODS OF STUDY Mr. Schaff. 1
Prerequisites: Consent of the department.
402. PROFESSIONAL READINGS 1-4
- 409-410. SEMINAR IN MUSIC EDUCATION Mr. Alley. 1
Required of students doing practice-teaching in music.
412. PRINCIPLES OF SECONDARY EDUCATION 3
Individual differences of the secondary school pupil; social principles; and a philosophy of education. Prerequisite: 15 hours in Education.
414. SCHOOL ADMINISTRATION AND SUPERVISION Mr. Major. 3
Prerequisite: 15 hours in Education.
- 415-416. STUDENT TEACHING Mr. Carter, Director, and Staff. 4-6
Eligibility: Residence at Denison for one year; a major in education; an average grade of B in his teaching field; a recommendation from the chairman of the department of his field. A student should carry not to exceed 12 academic hours of credit in addition to his student teaching. Conference Thursday, 4 p.m. Consent of instructor.
445. METHODS OF TEACHING HEALTH EDUCATION 3
Prerequisites: Education 321, Psychology 211.
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

ENGINEERING SCIENCE

A student interested in Engineering should major in Pre-Engineering, a transdepartmental major, or in a basic science such as mathematics, physics, or chemistry, his choice depending upon

the branch of engineering he wishes to enter. Pre-Engineering credits earned at Denison are accepted by engineering schools. For further information see Combined Arts-Professional Courses for liberal arts-engineering arrangements. An interested student should consult the Director of Vocational Services or the Chairman of Mathematics or any of the sciences.

The following courses in Engineering Science may be elected by preengineering and other students:

101. STATISTICAL GRAPHS 2

Use of instruments, lettering, and tracing; construction of different types of charts and graphs used in statistical work. Not restricted to engineering students. (Not offered in 1953-54.)

111. ENGINEERING DRAFTING Mr. H. King. 2

Use of instruments, simple projections, freehand sketching, geometric problems, conventional signs, and tracings. Recommended for non-engineering students, particularly those majoring in the sciences.

112. DESCRIPTIVE GEOMETRY Mr. H. King. 4

Conventional projection theories of drafting with problems and applications in point, line, and plane; intersection and development of surfaces. Prerequisite: 111.

115. MACHINE DRAWING Mr. H. King. 2

Elementary design and working drawings. Prerequisite: 111.

ENGLISH

Mr. J. L. King, Chairman; Mr. Shumaker, Mr. Mahood, Miss Shannon, Mr. Downs, Mr. Coffin (part-time); Mr. Bennett (on leave first semester), Miss Lewis, Mr. Marshall, Mr. Nichol, Mr. Vastyan
Mrs. Stark (part-time), Mrs. J. L. King (part-time)

MAJOR IN ENGLISH

A student majoring in this department must elect a minimum of 26 hours in English, including 211-212, 321-322, 333, and must have two college years or its equivalent of one modern foreign language.

Course 11-12, required of all freshmen, is introductory to courses in this department *but does not count as credit toward a major.*

Certain courses in literature are offered in other departments: Greek Literature in English—see Classical Languages; French Literature, German Literature, and Spanish Literature—see Modern Languages.

115. CORRECTIVE ENGLISH FOR FRESHMEN Staff. 2
A review of the fundamentals of English Composition. Required of freshmen who pass Course 11 with a grade below C.
- 211-212. ENGLISH LITERATURE Staff. 3
A survey of English Literature from the beginning to the late 18th century (first semester); from the 18th century to the present (second semester).
213. NEWSWRITING Mr. Vastyan. 3
Assignments in news writing and analysis. *Does not count for credit in fulfilling the graduation requirement in Literature.* Consent of instructor.
- 215-216. LITERATURE AS ART Miss Shannon. 3
A study of literature in relation to the other arts. Illustrations from all the arts are used to teach the fundamental principles necessary for an understanding and appreciation of creative work.
218. THE BIBLE AS LITERATURE Mr. King. 2
- 231-232. AMERICAN LITERATURE 3
A survey of American literature to the Civil War (first semester); from the Civil War to the present (second semester).
315. CORRECTIVE ENGLISH 2
Designed for juniors and seniors who need a review of the fundamentals of English composition, and who desire further practice in writing. *Does not count for credit in fulfilling the graduation requirement in Literature.* Consent of instructor.
- 321-322. SHAKESPEARE Mr. King. 3
A study of Shakespeare and his times, the comedies and histories (first semester); the tragedies and later romances (second semester). Prerequisite: junior standing.
323. MILTON AND THE 17TH CENTURY Miss Lewis. 3
A study of representative writers considered against the background of the social, political, and religious issues of the age.
324. THE ROMANTIC MOVEMENT IN ENGLAND Miss Shannon. 3
A brief review of the movement in the 18th century, followed by a study of the works of Wordsworth, Coleridge, Byron, Shelley, and Keats.
326. THE SHORT STORY Mr. Shumaker. 3
A study of the short story as a literary form, with analysis of typical examples.

329. THE ELIZABETHAN DRAMA Mr. Coffin. 3
A study of the drama in England from 1580 to 1642 (exclusive of Shakespeare), with emphasis upon the works of Marlowe and Jonson.
330. THE MODERN DRAMA Miss Shannon. 2-3
A study of drama from Ibsen to the present, with emphasis upon the works of British and American playwrights. Additional reading for three credits.
333. CHAUCER Mr. King. 3
The life and times of Chaucer with a reading of the *Canterbury Tales*, *Troilus and Criseyde*, and some of the shorter poems.
335. VICTORIAN POETS Mr. Mahood. 2
337. ADVANCED COMPOSITION Mr. Bennett. 2
Designed for students who want further training in writing. Consent of instructor.
338. CREATIVE WRITING Mr. Bennett. 2
Designed for students of special ability. Consent of instructor.
339. DR. JOHNSON AND HIS CIRCLE Mr. Shumaker. 2
A study of Johnson and other prose writers of the 18th Century.
340. ENGLISH PROSE OF THE 19TH CENTURY Mr. Shumaker. 2
A study of Carlyle, Ruskin, Macaulay, Arnold, Lamb, Hazlitt, Pater, and others.
341. THE ENGLISH NOVEL Mr. Mahood. 2-3
The development of the novel in England during the 18th and 19th centuries. Additional outside reading for three credits.
342. ENGLISH AND AMERICAN NOVEL—1870 TO THE PRESENT Mr. Mahood. 2-3
Additional outside reading for three credits.
- 343-344. READINGS IN EUROPEAN LITERATURE Mr. Downs. 3
A study in comparative literature of selected complete major works in translation from Homer's *Iliad* to Silone and Sartre.
346. THE ENGLISH LANGUAGE Mr. Coffin. 3
A study of the English language and its development.
350. CONTEMPORARY LITERATURE Mr. Downs. 2
20th century American, English, and, in translation, European Literature.

- | | |
|--|---------------|
| 351. FOLKLORE AND AMERICAN CULTURE | Mr. Coffin. 3 |
| Consent of instructor. (Not offered in 1953-54.) | |
| 361-362. DIRECTED STUDY IN ENGLISH | Staff. 3 |
| 461-462. INDIVIDUAL WORK FOR HONORS | Staff. 3 |
| THE TEACHING OF ENGLISH (See Education 331.) | |

FAMILY LIFE

Mr. Crist, Chairman

The courses in Family Life have a twofold purpose, namely, to aid young men and women in preparation for marriage and family life, and to acquaint the student with the history and general social problems of the family. The courses are basic for prospective social workers, nurses, teachers, religious educators, recreational leaders, and other professional workers who deal with children and families, as well as for the student of general culture.

A student whose primary interest is Family Life should consider especially the following courses: Art 151-152, Biology 113, 224, 225, and 226, Chemistry 109-110, Economics 332, English 215-216, Geography 221, Government 211 and 212, Philosophy 321 and 326, Psychology 217 and 226, Sociology 207, 307, 315, and Religion 213.

Those contemplating graduate study in Family Life should obtain a reading knowledge of at least one foreign language.

211. EDUCATION FOR MARRIAGE AND FAMILY LIFE 3

To acquaint the student with the findings of the biological, psychological, and social sciences as they relate to marriage and family life. (Offered each semester.)

313. THE FAMILY 3

A study of the structure of the family as an institution and of its inter-relationships with other social institutions; changing economic and social functions of the family as seen in historical and cultural perspective. *Credit applies toward a major in Sociology.* Prerequisite: 211 or consent of instructor.

314. FAMILY PROBLEMS 3

Specific problems of homemaking and family life. Emphasis is on the social-psychological aspects of family problems and on interpersonal relationships within the family. Prerequisite: 211 or consent of instructor.

GEOGRAPHY AND GEOLOGY

Mr. Mahard, Chairman (on leave first semester); Mr. Graham, Acting Chairman

MAJOR IN GEOGRAPHY

A student majoring in Geography is expected to take Geography 221, 226, 230, 232, 421-422, Geology 111, 112, 312, 320, and additional recommended courses in the Sciences and Social Studies depending upon his vocational interest.

**GEOGRAPHY 221. PRINCIPLES OF GEOGRAPHY: PHYSICAL
AND HUMAN**

3

Elements of the physical environment and their effects upon man.

GEOGRAPHY 226. GEOGRAPHY OF THE UNITED STATES Mr. Mahard. 4

Physiographic provinces are studied in turn with emphasis upon origin of landscape features; textbook readings on human and economic factors.

GEOGRAPHY 230. GEOGRAPHY OF SOUTH AMERICA

3

Environmental factors and their significance in the affairs of South America and the World. (Offered in 1954-55 and in alternate years.)

GEOGRAPHY 232. GEOGRAPHY OF EUROPE

3

Environmental factors and their significance in the affairs of Europe; emphasis is placed upon geographic factors which play a role in current events in Europe. (Offered in 1954-55 and in alternate years.)

GEOGRAPHY 421-422. DIRECTED STUDIES

Mr. Mahard. 2-4

Readings in geography selected to enhance students' geographic comprehension.

GEOGRAPHY 461-462. INDIVIDUAL WORK FOR HONORS

3

MAJOR IN GEOLOGY

A student majoring in Geology is expected to take Geology 111, 112, 211, 212, 311, 312, 320, 400, and 411-412, and Geography 226. In addition a minimum of 30 semester-hours is required in Mathematics, Chemistry, Physics, and Engineering Science.

GEOLOGY 111. PHYSICAL GEOLOGY

Mr. Graham. 4

Study of the earth's crustal features and the physical processes which build and modify these features. Emphasis placed on the effects of these phenomena upon man's activities. Laboratory and field work.

GEOLOGY 112. HISTORICAL GEOLOGY**Mr. Graham. 4**

History of the origin and development of the rocks and geologic structures of North America with accompanying emphasis upon the development of the animal and plant kingdoms. Laboratory and field work. Prerequisite: 111.

GEOLOGY 211. MINERALOGY**Mr. Graham. 3**

Identification of chief rock-forming and ore minerals. Crystal systems are studied. Minerals are studied in hand specimen, also as fragments and in thin-sections with polarizing microscope. Introduction to the study of ore deposits.

GEOLOGY 212. PETROLOGY**Mr. Graham. 3**

Identification of chief rock kinds in hand specimen; limited work with thin-sections. Classification of igneous rocks considered. Introduction to sedimentation and metamorphism.

GEOLOGY 311. STRUCTURAL GEOLOGY**3**

Study of movements of solid rock and molten rock and their effect upon crustal features of the earth. Prerequisites: Geology 111, 112, and Geography 226.

GEOLOGY 312. GEOMORPHOLOGY AND MAP INTERPRETATION**3**

Study of the origin of landscape features and the interpretation of topographic maps. Prerequisites: Geology 111, 112, and Geography 226.

GEOLOGY 320. FIELD TRIP**2**

A spring vacation automobile trip across the physiographic provinces of Eastern United States. A complete section through the Appalachian Provinces, the Triassic Lowland, and the Coastal Plain is studied. A visit to the American Museum of Natural History in New York City is included.

GEOLOGY 400. FIELD COURSE**6**

A major in Geology must register for a summer field course offered by any one of a number of approved universities, such as the University of Wyoming, Indiana University, and the University of Michigan. Upon the successful completion of the course, he receives credit transferable to his record at Denison.

GEOLOGY 411-412. DIRECTED STUDIES**2-4**

Individual reading and laboratory work in a student's field of interest within geology. Work in mineralogy, petrology, and economic geology are included.

GEOLOGY 461-462. INDIVIDUAL WORK FOR HONORS**3**

GOVERNMENT

Mr. Stephens, Chairman; Mr. Morrow, Mr. Wirt

MAJOR IN GOVERNMENT

A major in Government is required to take a minimum of 24 semester-hours in 211, 212, 301 or 302, 311 or 341, 312 or 315, 403 or 404, 421, and 425. He may take additional courses in the department up to a maximum of 36 semester-hours and should take at least 30 hours. A major is expected to take a year's course each in American History and in Economics. Credit in Economics 410 is highly recommended for majors, and in Economics 223-224 for pre-law students. Non-majors may take advanced courses on consent of the instructor.

211. AMERICAN NATIONAL GOVERNMENT Mr. Stephens, Mr. Wirt. 3

Study of the development, structure, and operation of our national government.

212. COMPARATIVE GOVERNMENT Mr. Stephens, Mr. Wirt. 3

A comparative study of different types of modern constitutions in relation to their social, economic, and ideological backgrounds. Great Britain, France, Italy, and the Union of Soviet Socialist Republics and, to a lesser extent, Germany will be examined.

231-232. BUSINESS LAW Mr. Morrow. 3

A survey of law as applied to business, covering the field of contracts, property, sales, negotiable instruments, agency, partnerships, corporations, insurance, bankruptcy, and labor relations. *This may not be counted toward a major in Government.*

301. POLITICAL PARTIES AND POLITICS Mr. Stephens. 3

Origin and evolution of political parties in the United States; their present organizations and methods of operation; nominating systems, campaigns, election laws and types of ballots; the development of state control over party machinery and efforts to correct party abuses.

302. PUBLIC OPINION AND POLITICAL PROCESSES Mr. Wirt. 3

Analysis of the nature of public opinion, how it is revealed, crystallized, and manipulated. Within this framework such items are studied as opinion polling, institutions of social control, interest group activity and policies, the channels of communication, propaganda techniques, and non-rational factors in politics.

311. INTERNATIONAL RELATIONS

3

A study of the forces which determine political relations between nation-states. Power politics and the functions of law, diplomacy, public opinion, and international organizations.

312. STATE AND LOCAL GOVERNMENT

Mr. Wirt. 3

This course concentrates upon forms of governing with extended discussion of the ends of governing. Attention is given to current tendencies: centralization of power in state and national centers, strengthening of the executive, new face of civil liberties, and new functions of modern state government.

315. PUBLIC ADMINISTRATION

Mr. Wirt. 3

Analysis of organization, principles, and methods of public administration, with special reference to current problems.

341. INTERNATIONAL LAW AND INSTITUTIONS

Mr. Stephens. 3

Fundamentals of international law; its current development and practical value. Legal and structural analysis of contemporary international organizations, alliances, and economico-political projects.

345. SOVIET GOVERNMENT AND DOMESTIC POLICIES

Mr. Wirt. 3

Soviet institutions are studied as means of coercion and persuasion available to modern totalitarian states, i.e., use of party, army, industry, unions, and cultural groups as instruments of oligarchical power. The relationship of state to worker and farmer, intellectual and scientist, party member and soldier is observed within the concepts of Marx, Lenin, and Stalin.

346. INTERNATIONAL ORGANIZATION: The United Nations

Mr. Stephens. 3

The evolution of international organization: The League of Nations and other schemes and proposals for the promotion of world peace. A study of the structure and operation of the United Nations and the formally constituted specialized agencies: ILO, FAO, UNESCO, ICAO, IBRD, IMF, UPU, ITU, and WMO.

403. ANCIENT AND MEDIEVAL POLITICAL THOUGHT

Mr. Stephens. 3

The basic theories of European government from the time of Plato to Machiavelli.

404. MODERN AND CONTEMPORARY POLITICAL THOUGHT

Mr. Stephens. 3

The chief theories of European and American government from Machiavelli to the present.

412. INTRODUCTION TO THE LAW

Mr. Morrow. 3

The history and meaning of law; the development of legal reasoning and philosophy; instrumentalities for the protection of rights; and the structure of the legal profession. *For pre-law students.*

421. SEMINAR

Staff. 2-3

Designed to give the student an opportunity to learn the techniques and methodology of sound research. The student will explain and defend a thesis before the other members of the seminar. *Required of all seniors majoring in Government.*

425. CONSTITUTIONAL LAW

Mr. Morrow. 4

The American Constitutional system through the decisions of the Supreme Court; relationships between state and federal governments; recent trends in jurisprudence.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

HISTORY

Mr. Utter, Chairman; Mr. Stratton, Mr. Southgate, Mr. Pollock, Mr. Chessman
Mr. Seager, Mr. Poland

MAJOR IN HISTORY

A minimum of 24 hours in History is required for a major. Courses specifically required include Course 21-22, *which does not count toward the major*, one of the survey courses in the History of the United States, and either 413-414 or 415-416. Majors are encouraged to elect either European or American History as an area of concentration. The sequence of courses will be arranged in consultation with advisers. By the beginning of the senior year, majors preparing for graduate study will be expected to demonstrate a reading knowledge of a modern foreign language.

121-122. ECONOMIC HISTORY OF THE UNITED STATES

3

A survey describing and analyzing the changes which have occurred in the wealth-getting and wealth-using activities of the American people, set against a general account of American political and social development. Offered primarily for majors in Economics.

221-222. HISTORY OF THE UNITED STATES SINCE 1763

Mr. Utter. 3

A survey emphasizing the political development and the territorial expansion of the American people.

223-224. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES

Mr. Chessman. 3

Aspects of American social and cultural development will be treated as a background for an understanding of American intellectual life. Open to any student who has demonstrated, by an entrance test or otherwise, a superior knowledge of American History.

Only one of the courses listed above may be taken for credit.

213-214. HISTORY OF ENGLAND

Mr. Southgate. 3

A study of the social and cultural history and of the development of the English constitution against the background of political history from 1066 to 1776.

239-240. HISTORY OF THE FAR EAST

Mr. Stratton. 3

Survey of the civilizations of India, China, and Japan from their origins to the present. The second semester will be devoted to their contacts with the West and the internal transformations of the last century. (Not offered in 1953-54.)

311-312. EUROPE SINCE 1914

Mr. Pollock. 3

Political, economic, and diplomatic history of Europe since the eve of World War I. Prerequisite: Consent of instructor, 311 is prerequisite to 312. (Not offered in 1953-54.)

315. SURVEY OF RUSSIAN HISTORY

Mr. Poland. 3

A study of the political, economic, and intellectual background of the Russian Revolution of 1917; the Revolution and the Civil War; a brief survey of Soviet development since 1921.

319-320. EUROPE IN THE 19th CENTURY

Mr. Pollock. 3

A survey of forces which have shaped modern European history, 1789-1914. Social, religious, and cultural development are considered in relation to the economic and political background.

324. THE AMERICAN FRONTIER

Mr. Utter. 3

The frontier in American economic, political, and cultural development. Prerequisite: an American History survey course or consent of instructor.

325-326. LATIN-AMERICAN HISTORY

Mr. Stratton. 3

The development of institutions in the colonial period, the repercussions of the independent movement, and the main trends in the development of four principal states: Argentina, Brazil, Chile, and Mexico, in the 19th and 20th centuries.

327. AMERICAN DIPLOMACY TO 1900 Mr. Seager. 3

A survey of American diplomatic affairs emphasizing the extension of continental boundaries; origin and development of American attitudes toward isolation and neutral rights; the idealistic basis of foreign policy decisions. Prerequisites: An American History survey course or senior standing.

328. THE UNITED STATES AS A WORLD POWER Mr. Seager. 3

A survey of American foreign policy in the 20th century with emphasis on the power role of the United States in the international politics of European, Latin-American, and Far Eastern areas. Prerequisites: An American History survey course or senior standing.

331-332. MODERN COLONIAL EXPANSION AND IMPERIALISM

Mr. Stratton. 3

A history of the spread of Europeans overseas since 1500, with emphasis on the period after 1870. Recent readjustments in Africa, the Near East, and Southeast Asia resulting from the rise of native nationalist movements will be stressed. Consideration will be given to the development of the British Commonwealth and its relationships with the United States. (Not offered in 1953-54.)

349-350. THE MIDDLE AGES AND THE RENAISSANCE Mr. Southgate. 3

The history of European ideas and institutions from the Fall of Rome to the Reformation. Registration must be for both semesters. Prerequisite: Course 21-22. (Not offered in 1953-54.)

352. THE AGE OF ENLIGHTENMENT Mr. Poland. 3

A survey of Continental European History from the end of the Reformation to the French Revolution, with emphasis on the pattern of Absolution during the Old Regime and the major intellectual developments of the period.

361-362. DIRECTED STUDY IN HISTORY Staff. 3**413-414. SENIOR TUTORIAL IN EUROPEAN HISTORY** Staff. 2

A reading course for seniors whose primary interest is in European History. Work will be directed on an individual basis with the two-fold purpose of introducing the student to the principles and methods of historical research and of correlating the material in the major field.

415-416. SENIOR TUTORIAL IN AMERICAN HISTORY Staff. 2

A course parallel to 413-414 for students whose major interest is in American History.

461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

MATHEMATICS

Mr. Kato, Chairman; Mr. Wiley, Mr. Rupp, Miss Wetzel (on leave 1953-54),
Mr. Sterrett, Mr. Grudin

MAJOR IN MATHEMATICS

The basic work in mathematics is offered under Sequence I or Sequence II. The second sequence is designed for the stronger students in Mathematics and for the major in this or a related field.

Minimum requirements for a major in Mathematics consist of (a) 40a, 116, 215-216, 459-460, and three additional courses in Mathematics; or (b) 121-122, 221-222, 459-460, and two additional courses in Mathematics. Courses 108, 203, 205-206, and Education 335 may not be included in meeting minimum requirements.

A student majoring in Mathematics with emphasis upon statistics will take courses 307-308 and 407-408.

Those desiring recommendation for graduate study in Mathematics must take courses 321-322. The courses 307-308 and 353, and a reading knowledge of French and German are strongly recommended.

The courses 332 and 336 are recommended for those planning to teach Mathematics in secondary schools.

All majors will elect, after consultation with the chairman of the department, a minimum of 12 hours in subjects related to Mathematics.

Sequence I

Course 40a serves as an introduction to mathematical analysis.

116. ELEMENTARY MATHEMATICAL ANALYSIS Staff. 4
Continuation of 40a. Algebra, trigonometry, and analytic geometry are studied from the function viewpoint. The elementary ideas of The Calculus are introduced at the beginning and used throughout the course.
- 215-216. THE CALCULUS Mr. Rupp. 4
Ordinary and partial derivatives, single and multiple integrals, infinite series and applications. Prerequisite: 116 or equivalent.
315. ADVANCED CALCULUS Mr. Grudin. 4
Selected topics including partial differentiation, improper integrals, line and surface integrals, infinite series. Prerequisite: 216 or 222.

Sequence II

121-122. ELEMENTARY MATHEMATICAL ANALYSIS Mr. Wiley, Mr. Kato. 5

Introduces elementary ideas of the calculus at the start and uses them throughout the course in an integrated study of topics in algebra, plane trigonometry, and analytic geometry, including an introduction to solid analytic geometry.

221-222. THE CALCULUS Mr. Wiley. 5

Includes such topics as partial differentiation, multiple integrals, and expansion of functions into infinite series. Prerequisite: 122.

321-322. ADVANCED ANALYSIS Mr. Kato, Miss Wetzel. 3

The principal topics are partial differentiation, Riemann and Stieltjes integrals, indeterminate forms, infinite series, improper integrals, Fourier series, and Laplace transform. Prerequisite: 222 or consent of instructor.

Sequence in Statistics

307-308. MATHEMATICS OF STATISTICS Mr. Sterrett. 3

Introduction to the theory and applications of mathematical statistics, including the topics: frequency distributions of one and two variables, sampling theory, elementary probability, multiple and partial correlation, and generalized frequency distributions. Prerequisite: 222, or consent of instructor.

407-408. ADVANCED MATHEMATICS OF STATISTICS Mr. Sterrett. 3

Continuation of topics considered in 307-308, with special emphasis upon modern statistical methods. Prerequisite: 308.

Non-Sequence Courses

108. MATHEMATICS OF FINANCE Mr. Sterrett, Mr. Grudin. 3

Interest and annuities, life insurance, and reserves. Prerequisite: Course 40a or 121 or consent of instructor.

203. SOCIAL STATISTICS Mr. Sterrett. 3

Adapted to students in Personnel Administration, Psychology, and Sociology.

205-206. ECONOMIC STATISTICS Mr. Grudin. 3

Adapted to students in Economics. Prerequisite: Core 40a or 121.

311-312. TECHNICAL MECHANICS Mr. Kato. 3

The principles of applied mechanics with reference to their application to engineering. Prerequisites: Mathematics 221-222; Physics 121-122.

332. COLLEGE ALGEBRA Miss Wetzel. 3
Mathematical induction, determinants and selected topics from the theory of equations. Consent of instructor. Alternates with 336.
336. COLLEGE GEOMETRY Miss Wetzel. 3
Synthetic treatment of such topics as poles and polars, inversion, and homothetic figures. Consent of instructor. Alternates with 332.
353. DIFFERENTIAL EQUATIONS Mr. Kato. 4
Introductory course. Prerequisite: 216 or 222.
- 361-362. DIRECTED STUDY IN MATHEMATICS Staff. 3
453. VECTOR ANALYSIS WITH INTRODUCTION TO TENSOR ANALYSIS Mr. Wiley. 4
Prerequisite: 315 or 321 or 353, and Physics 121-122.
- 459-460. SENIOR SEMINAR Mr. Kato, Miss Wetzel
Designed to integrate the student's mathematical knowledge and extend his mathematical horizon. (Three hours of credit for the year; meets two hours each week.)
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3
- THE TEACHING OF MATHEMATICS (See Education 335.)

MODERN LANGUAGES

Mr. Secor, Chairman; Miss Koerber, Mr. Preston, Mr. Alcala,
Mr. Steele, Mr. Stabler, Mr. Lynch

MAJOR IN MODERN LANGUAGES

A major in this department must complete a minimum of 24 semester-hours above the first-year level in the language. A maximum of 52 semester-hours is allowed providing not more than 36 semester-hours are in one language. At least a reading knowledge of a second modern language is highly desirable for a major. A major's sequence of courses is arranged in conference with the chairman of the department.

No credit is given for less than a year of beginning work.

A student has access to the Language laboratory for aural training by record and by radio.

THE TEACHING OF MODERN LANGUAGES (See Education 343.)

FRENCH

Mr. Secor, Mr. Preston, Mr. Stabler, Mr. Lynch

101-102. AREA STUDY: FRANCE

Mr. Secor. 2

The cultural background and significant contemporary sociological and economic problems of the area; its position in the affairs of the world today, and its relation to the United States. Offered in the English language.

111-112. INTRODUCTION TO THE FRENCH LANGUAGE

Staff. 4

211-212. INTERMEDIATE FRENCH

Staff. 3

Reading, grammar review, and conversation. Prerequisite: Two years of high school French or one year of college French.

213-214. CONVERSATION AND COMPOSITION

Staff. 2

To accompany 211-212 for those students who wish to develop greater language skill. May be taken either semester or both semesters.

311-312. AN INTRODUCTION TO FRENCH LITERATURE
AND CIVILIZATION

Mr. Secor. 3

Readings from such authors as Molière, Corneille, Racine, Voltaire, Beaumarchais, Hugo, Balzac, and modern writers. Prerequisite: Three or four years of high school French or two years of college French.

313-314. CONVERSATION

Mr. Stabler. 2

Composition as needed. Prerequisite: 211-212 or 213-214 or 311-312. (Offered in 1953-54.)

317. THE CLASSIC DRAMA

Mr. Preston. 3

Corneille, Racine, Molière. Prerequisite: 311-312.

318. EIGHTEENTH CENTURY LITERATURE

Mr. Preston. 3

Voltaire, Rousseau, Montesquieu, Diderot, and the leading playwrights and novelists of the century. Prerequisite: 311-312.

319. NINETEENTH CENTURY PROSE AND POETRY

Mr. Secor. 3

Novel: Chateaubriand, through Balzac, Flaubert, de Maupassant to contemporary writers. Critics: Sainte Beuve, Taine, Renan. Poets from the Romanticists through the Symbolists. Prerequisite: 311-312. (Offered in 1953-54.)

320. NINETEENTH CENTURY THEATRE

Mr. Secor. 3

The Romantic, Realistic-Social, Naturalistic Schools, and modern trends. Prerequisite: 311-312. (Offered in 1953-54.)

- 361-362. DIRECTED STUDY IN FRENCH Staff. 3
 415-416. ADVANCED FRENCH GRAMMAR AND WRITING Mr. Secor. 2
 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

GERMAN

Miss Koerber, Mr. Stabler

- 101-102. AREA STUDY: GERMANY Miss Koerber. 2
 The cultural background and significant contemporary sociological and economic problems of the area; its position in the affairs of the world today, and its relation to the United States. Offered in the English language.

- 111-112. INTRODUCTION TO THE GERMAN LANGUAGE Staff. 4

- 211-212. INTERMEDIATE GERMAN Mr. Stabler. 3

Reading, grammar review, and conversation. Prerequisite: Two years of high school German or one year of college German.

- 213-214. CONVERSATION AND COMPOSITION Miss Koerber. 2

This course accompanies 211-212 for those students who wish to develop greater language skill. May be taken either semester or both semesters.

- 215-216. SCIENTIFIC GERMAN LITERATURE Miss Koerber. 3

Prerequisite: 111-112, or two years of high school German, and consent of instructor.

- 313-314. ADVANCED CONVERSATION Miss Koerber. 3

Advanced conversation. Composition as needed. Prerequisite: 213-214 or 211-212 or consent of instructor. (Offered in 1954-55.)

317. GERMAN CLASSICS Miss Koerber. 3

Lessing, Schiller, and the classical German drama. Prerequisites: 212, 214, or 216, or three years of high school German. Alternates with 319. (Offered in 1953-54.)

318. GOETHE'S WORKS Miss Koerber. 3

Selections. Prerequisites: 212, 317, or 319 or consent of instructor. Alternates with 320. (Offered in 1953-54.)

319. NINETEENTH CENTURY PROSE Miss Koerber. 3

Beginning with the Romanticists and including recent literary movements represented by Hauptmann, Sudermann, Schnitzler, Thomas Mann, and other leading writers. Prerequisite: Same as for 317.

320. NINETEENTH CENTURY DRAMA Miss Koerber. 3
Kleist, Grillparzer, Hebbel, Hauptmann, Sudermann, and others.
Prerequisite: Same as for 318.
- 361-362. DIRECTED STUDY IN GERMAN Staff. 3
415. SURVEY OF GERMAN LITERATURE BEFORE 1700 Miss Koerber. 2
Prerequisite: Any 300-course or any two 200-courses, including 211, 212.
416. SURVEY OF GERMAN LITERATURE AFTER 1700 Miss Koerber. 2
Prerequisite: Same as for 415.
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

ITALIAN

- 111-112. INTRODUCTION TO THE ITALIAN LANGUAGE 4
(Offered upon demand.)

PORTUGUESE

- 111-112. INTRODUCTION TO THE PORTUGUESE LANGUAGE 4
(Offered upon demand.)
- 211-212. INTERMEDIATE PORTUGUESE 3
(Offered upon demand.)

SPANISH

Mr. Alcala, Mr. Steele, Mr. Lynch

- 101-102. AREA STUDY: LATIN AMERICA Mr. Alcala. 2
The cultural background and significant contemporary sociological and economic problems of the area; its position in the affairs of the world today, and its relation to the United States. Offered in the English language.
- 111-112. INTRODUCTION TO THE SPANISH LANGUAGE Staff. 4
- 211-212. INTERMEDIATE SPANISH Staff. 3
Reading, grammar review, and conversation. Prerequisite: Two years of high school Spanish or one year of college Spanish.
- 213-214. CONVERSATION AND COMPOSITION Mr. Steele. 2
To accompany 211-212 for those students who wish to develop greater language skill. May be taken either semester or both semesters.

311-312. INTRODUCTION TO SPANISH LITERATURE AND CIVILIZATION

Mr. Alcalá. 3

Readings from leading Spanish literary figures including Lope de Vega, Cervantes, Pérez Galdós, and others; and a study of the outstanding figures and periods of Spanish culture. Prerequisite: Three or four years of high school Spanish or 211-212.

313. COMMERCIAL SPANISH

2

Letters and forms used in business. Prerequisite: 211-212 or equivalent.

314. ADVANCED CONVERSATION

2

Composition as needed. Prerequisite: 213-214, or 211-212 or consent of instructor.

317. DRAMA OF THE GOLDEN AGE

Mr. Steele. 3

Leading playwrights and their chief works: Lope de Vega, Calderón de la Barca, Tirso de Molina, Ruiz de Alarcón, Moreto and Rojas Zorrilla. Prerequisite: 311-312. (Offered in 1953-54.)

319. SPANISH NOVEL

Mr. Alcalá. 3

The development of the novel in Spain and Spanish America from its beginning to the present time. Prerequisite: 211-212 or 311-312. (Offered in 1953-54.)

320. MODERN SPANISH DRAMA

3

Beginning with the Neo-Classical drama and including the more recent literary movements in Spain and Spanish America. Prerequisite: 311-312. (Offered in 1953-54.)

323-324. SPANISH-AMERICAN LITERATURE AND CIVILIZATION

3

Readings from representative writers beginning with the Colonial period and including the present time with emphasis on civilization as reflected in them. Prerequisites: 311-312 for majors; 211-212 for non-majors. Recommended: History 325-326 and Geography 230.

361-362. DIRECTED STUDY IN SPANISH

Staff. 3

414. ADVANCED COMPOSITION AND PHONETICS
(Offered in 1953-54.)

3

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

MUSIC

Mr. Eschman, Chairman; Mr. Stark, Mr. H. Larson, Miss Haury, Mr. Gelfer,
Mr. Miller, Mr. Ravnan (on leave 1953-54), Mr. Alley

MAJOR IN MUSIC

All courses listed grant credit, as indicated, toward the Bachelor of Arts degree, the Bachelor of Music degree, or the Bachelor of Science in Education (Music Education). Any student in the University may elect courses to a maximum of 40 semester-hours (including four hours in Ensemble Music) under the B.A. degree, 88 hours under the Mus.B. degree, or 68 hours under the Bachelor of Science in Education (Music Education). Those who are candidates for a degree in Applied Music or Music Education will pay the regular college tuition but not the additional charges for private lessons. (For costs see Expenses.)

Course 32 serves as an introduction to music appreciation but *does not count as credit for a major in music.*

103-104. CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING

Mr. Eschman, Mr. Larson, Mr. Gelfer, Mr. Miller, Mr. Alley. 1

Three hours are required for one hour of college credit each semester, one being in Chorus, Orchestra, Band or A Cappella Choir; the others are elective ensemble music.

105-106. OPERA WORKSHOP

Mr. Larson. 1

A course in the history and performance of operas.

107-108. CHAMBER MUSIC WORKSHOP

Mr. Gelfer. 1

A course in the style and performance of chamber music.

111-112. FUNDAMENTAL MUSICIANSHIP

Mr. Eschman. 2

Required of all freshmen majoring in Music. Rhythmic, melodic, and harmonic dictation, sight-singing, solfeggio and keyboard training.

121-122. HARMONY

Mr. Eschman. 3

Required of all freshmen majoring in Music.

201. HISTORY OF MUSIC TO THE 18th CENTURY

Mr. Stark. 3

Alternates with 311-312.

202. HISTORY OF MUSIC FROM THE 18th CENTURY TO THE PRESENT TIME

Mr. Stark. 3

203-204. CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING

Mr. Eschman, Mr. Larson, Mr. Geller, Mr. Miller, Mr. Alley. 1

205-206. APPRECIATION OF MUSIC

Mr. Stark. 2

Offered without prerequisites in musical training or experience.

211-212. ADVANCED MUSICIANSHIP

Mr. Stark. 2

Prerequisite: 111-112.

221-222. ADVANCED HARMONY

Mr. Eschman. 3

Increased vocabulary in composition. Prerequisite: 121-122.

303-304. TERMINOLOGY AND CONDUCTING

Mr. Alley. 1

Alternates with 305-306.

305. ORCHESTRATION

Mr. Alley. 1

Alternates with 303. (Not offered in 1953-54.)

306. SCORING FOR BAND

Mr. Alley. 1

Prerequisite: 305. Alternates with 304. (Not offered in 1953-54.)

311-312. MUSICAL FORM

Mr. Eschman. 2

Analysis of the principal instrumental forms. Alternates with 201-202. (Not offered in 1953-54.)

METHODS IN MUSIC EDUCATION

Mr. Alley

The psychology and problems of teaching public school music applied to present day practices. See Education 315, 316, 409-410.

331-332. COUNTERPOINT

Mr. Stark. 3

The principles of harmony applied to the melodious treatment of two or more voice parts in combination. Prerequisite: 221-222, and some proficiency in piano playing.

441-442. COMPOSITION

Mr. Eschman. 2

Composition of vocal and instrumental works in strict and free styles. Prerequisite: 221-222 and some proficiency in piano or organ playing.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

CLASS LESSONS IN APPLIED MUSIC:

141. WOODWIND INSTRUMENTS CLASS

Mr. Alley. 1

Class instruction for majors in Music Education.

142. BRASS INSTRUMENTS CLASS

Mr. Alley. 1

Class instruction for majors in Music Education.

151-152. STRING INSTRUMENTS CLASS

Mr. Gelfer. 1

Class instruction for majors in Music Education.

161-162. VOICE CLASS

Mr. Larson. 1

Class lessons in voice. Recommended for the improvement of the speaking as well as the singing voice.

**PRIVATE LESSONS IN ORGAN, PIANO, VIOLIN, VIOLONCELLO,
VOICE, AND WIND INSTRUMENTS (For credit, see below.)**

Instruction is in private lessons and the need of the individual student at any level of instruction is met.

MAJOR IN APPLIED MUSIC

Credit in Applied Music to a total of eight semester-hours may be obtained toward the B.A. degree by a major in any department. A major in Applied Music may elect 16 hours in Applied Music, and 16 hours in applied music are required in the Bachelor of Science (Music Education) degree. One credit is given for one lesson a week and one hour of practice a day. Two credits are given for two lessons a week and two hours of practice daily. The former will be given the name of the subject: Piano, etc., and the numbers 111-112, 211-212, 311-312, 411-412 depending upon the year of study. The two-hour credit courses will be numbered 121-122, 221-222, etc.

In Applied Music 48 semester-hours are required for the Bachelor of Music degree in performance major. A student must register for Piano, Voice, Violin, Organ, Wind Instruments, or Violoncello: 131-132, 231-232, etc., three hours of credit; 141-142, 241-242, etc., four hours of credit. (In each case the first digit of the course-number indicates the year, the second the number of credits, and the third digit, the semester in which the course was taken.)

PHILOSOPHY

Mr. Titus, Chairman; Mr. Hepp

Philosophy may be selected as a general cultural background, as a major for ministerial students, or as preparation for graduate work in Philosophy.

MAJOR IN PHILOSOPHY

A major requires 24 semester-hours, preferably in sequence, the courses to be selected in consultation with the members of the staff on the basis of the interests and needs of the student.

LOGIC (REFLECTIVE THINKING)

Mr. Hepp. 4

See Course 40b. Required of majors in Philosophy.

303. LIVING ISSUES IN PHILOSOPHY

Mr. Titus. 3

Introduction to philosophy with emphasis upon present-day problems. The student is encouraged to integrate the various branches of knowledge into a workable philosophy of life. Open to sophomores by consent. (This course with Religion 303 fulfills the requirement for 81-82.)

321. ETHICS FOR TODAY

Mr. Titus. 3,4

A study of the development, nature, and theories of morality with special emphasis given to present-day problems of personal and social morality. Open to sophomores by consent of instructor. (Consent required to register for 4 hours' credit.)

323-324. MODERN SOCIAL PHILOSOPHIES: Year Course

Mr. Titus. 3

Examination of the social philosophy underlying democracy, capitalism, the consumers' cooperative movement, socialism, communism, fascism, etc. Prerequisite: 321 or consent of instructor; 323 is prerequisite for 324.

326. MODERN SOCIAL PHILOSOPHIES: One Semester

Mr. Titus. 2, 3, 4

Outline or survey of modern social philosophies. (See 323-324 for content.) Prerequisite: 321 or junior standing. (Consent required to register for 4 hours' credit.)

327. THE PHILOSOPHY OF CIVILIZATION

Mr. Titus. 3

The sources of Western civilization and recent philosophies of civilization as set forth by Spengler, Sorokin, Schweitzer, Toynbee, Northrop, and others. Prerequisite: 326 or senior standing or consent.

331. HISTORY OF PHILOSOPHY

Mr. Hepp. 3

Investigation of origins of Western philosophy and science, followed by first-hand study of philosophical classics from Plato and Aristotle to Augustine and Thomas Aquinas. (Offered in 1954-55 and in alternate years.)

332. HISTORY OF PHILOSOPHY

Mr. Hepp. 3

Modern Philosophies which have shaped the contemporary mind. First-hand acquaintance with the philosophical classics from Descartes to Kant. (Offered in 1954-55 and in alternate years.)

333. NINETEENTH CENTURY PHILOSOPHY

Mr. Hepp. 3

Work of such philosophers as Hegel, Schopenhauer, Comte, J. S. Mill, Nietzsche, and Royce, and their relations to the social, scientific, and religious thinking of the period. Consent of instructor. (Offered in 1953-54 and in alternate years.)

334. CONTEMPORARY THOUGHT

Mr. Hepp. 3

A seminar on present-day philosophical problems and contemporary movements such as instrumentalism, neo-Thomism, logical positivism, and existentialism. Consent of instructor. (Offered in 1953-54 and alternate years.)

361-362. DIRECTED STUDY IN PHILOSOPHY

Staff. 3

401. PHILOSOPHY OF RELIGION

Staff. 3

A seminar on the origin, development, nature, and problems of religion, and the types of religious philosophy. Consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

PHYSICAL EDUCATION

MEN—Mr. Yard, Chairman; Mr. Jenkins, Mr. Carl, Mr. Piper, Mr. Meyer

WOMEN—Miss Shepard, Chairman; Mrs. Northrop, Miss Ross, Miss Van Horn

REQUIRED COURSES FOR MEN

Physical Education is required of all freshman and sophomore men three periods a week, each course earning one hour of credit each semester.

111-112. FOR FRESHMEN

Staff. 1

Corrective gymnastics, rhythmic, individual athletics, tumbling stunts, and sports for freshmen only. A final examination is given in each course.

A student failing the course must repeat it or elect another. A student may receive duplicate credit in any course. If assigned to Corrective Gymnastics, he may take the course for one, two, three, or four semesters. (Three hours each week.)

211-212. FOR SOPHOMORES

Staff. 1

Corrective gymnastics, rhythmic, boxing, wrestling, sports, and apparatus stunts. (Three hours each week.)

REQUIRED COURSES FOR WOMEN

Physical Education is required of all freshman and sophomore women two sessions of one and one-half hours a week, each course earning one hour of credit each semester.

111-112. FOR FRESHMEN

Staff. 1

Elective work from activities listed: archery, badminton, basketball, bowling, square dancing, modern dance, fencing, golf, hockey, horseback riding, lacrosse, outing activities, swimming, tennis, and volleyball. (One and one-half hours each week.)

211-212. FOR SOPHOMORES

Staff. 1

Elective work from activities as listed above with emphasis on advanced work. (One and one-half hours each week.)

Majors or minors in the department may receive two hours of credit each in courses 211 and 212 by taking twice the amount of work with the consent of the chairman of the department.

MAJOR IN PHYSICAL EDUCATION FOR MEN AND WOMEN

Advanced courses are offered for students desiring to become teachers of Physical Education in public or private schools. Courses are also arranged to meet the needs of those who desire familiarity with the subject as part of their equipment for leadership in community recreation, social work, and other services, or leisure-time agencies. A student not wishing to qualify for a teaching certificate may take a transdepartmental major in Community Recreation. (See Transdepartmental Majors.)

Minimum requirements for the State Provisional Special Certificate in Physical and Health Education valid for teaching this subject alone (no combination with other teaching majors) in grades 1-12 include 46 semester hours. These credit hours are distributed among the following eight groupings with required totals as indicated. (*Sp. Certif.*).

Minimum requirements for the State Provisional High School Certificate valid for teaching this subject in combination with other teaching majors in grades 7-12 include 24 semester hours. These credit hours are distributed among the following eight groupings with required totals as indicated (*Comb. Certif.*).

Upon completion of the required courses for the Special Certificate a student will receive the degree of *Bachelor of Science in Education* (Physical Education), and for the Combination Certificate will receive the degree of *Bachelor of Arts*.

Group 1 (Sp. Certif. 6, Comb. Certif. 4)

- | | |
|---|-----------------|
| 334. PRINCIPLES OF SCHOOL HEALTH | Mr. Yard. 2 |
| 433. PRINCIPLES OF PHYSICAL EDUCATION | Miss Shepard. 2 |
| 436. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION | Mr. Yard. 2 |

Group II (Sp. Certif. 10, Comb. Certif. 4)

METHODS (Elementary Schools)

Mr. Jenkins, Miss Van Horn. 4

Methods and materials for teaching physical education in the elementary grades, in camps, and in service clubs and churches. Group recreation for children. (See Education 351.)

METHODS (Junior and Senior High Schools)

Mr. Yard, Miss Shepard. 4

Methods and materials for teaching physical education in the junior and senior high schools, in camp and group recreation programs for adolescent youths and for adults. (See Education 352.)

METHODS (Recreational Dance)

Miss Van Horn. 2

Methods and materials for teaching rhythms, folk, square, social, and recreational dance for camp, school, church, and service groups. (See Education 353.)

Group III (Sp. Certif. 6, Comb. Certif. 4)

225. MAJOR ORGANIZED SPORTS (Men)

Mr. Carl. 2

Activities, skills, and methods of teaching football.
Prerequisite: 111-112.

226. MAJOR ORGANIZED SPORTS (Men)

Mr. Yard. 2

Activities, skills, and methods of teaching basketball.

326. MAJOR ORGANIZED SPORTS (Men)

Mr. Carl, Mr. Piper. 2

Activities, skills, and methods of teaching track and baseball.
Prerequisite: 111-112.

321-322. TECHNIQUES OF SPORTS (Women)

Staff. 2 or 3

Methods and materials for teaching the techniques of sports in season. Prerequisites: 111, 112, 211, 212 in these activities or consent of instructor; Psychology 211, Education 321.

Group IV (Sp. Certif. 3, Comb. Certif. 3)

TEACHING OF HEALTH EDUCATION

Mr. Yard. 3

Methods and materials for the teaching of health in elementary and secondary schools. (See Education 445.)

Group V (Sp. Certif. 8, Comb. Certif. 5)

119. FIRST AID

Miss Van Horn. 1 or 2

The course follows the American Red Cross Manual and meets the requirements for the Standard and Advanced First Aid Certificates.

201. SEX HYGIENE

1

Elective. (Not offered in 1953-54.)

247. PERSONAL AND GENERAL HYGIENE Miss Van Horn. 3
Prerequisite: Consent of instructor.
341. ATHLETIC INJURIES and FIRST AID (Men) Mr. Piper. 2
Prerequisite: Biology 201-202.
348. COMMUNITY AND SOCIAL HYGIENE Mr. Meyer. 3
Prerequisite: Consent of instructor.

Group VI (Sp. Certif. 6, Comb. Certif. 4)

HUMAN ANATOMY AND PHYSIOLOGY

(See Biology 201-202.)

443. PHYSIOLOGY OF EXERCISE AND KINESIOLOGY Miss Ross. 2
Prerequisite: Biology 201-202.

Group VII (Sp. Certif. 2)

444. ADAPTED PHYSICAL EDUCATION Miss Ross. 2
Individual or adapted physical education, including corrective, restricted, and therapeutic activities, their teaching, and administration. Prerequisite: 443 and Biology 201-202.

Group VIII (Sp. Certif. 5)

124. CAMPING AND OUTDOOR EDUCATION Miss Ross. 2
The summer camp as an educational and recreative agency. Designed to prepare students for counselorship. Open to nonmajors.

CHILD ADOLESCENT DEVELOPMENT

(See Psychology 217.)

215. INTRODUCTION TO COMMUNITY RECREATION Miss Shepard. 3
An introductory course in the principles, organization, and administration of community recreation.
- 305-306. BEGINNING COMPOSITION FOR DANCE Mrs. Northrop. 2
Introduces students to the rhythmic structure of dance including problems in line, contour, dynamic and meaning, space design and composition for groups; pre-classic dance forms, the use of accompaniment. Provides experience in analysis and critique of original compositions. Consent of instructor.
423. DANCE AS AN ART FORM Mrs. Northrop. 3
Historical and philosophical concepts.
438. SEMINAR Staff. 1

PHYSICS

Mr. Smith, Chairman; Mr. Howe, Mr. Wheeler (on leave second semester)

MAJOR IN PHYSICS

The major sequence in Physics consists of courses 121-122, 211-212, with 12 additional hours in courses numbered higher than 300. Students who expect to major in the physical sciences are advised to take at least Physics 121-122, 211-212. A student preparing for graduate work in Physics should elect courses 311, 312, 313, 314, and 344. An engineering student should take the 211-212 laboratory, and will find 431-432 useful. The sequence 115 and 116 satisfies the Physics requirement for students expecting to enter medicine or dentistry.

115-116. ELEMENTARY PHYSICS

Staff. 4

Lecture demonstrations, recitations and one three-hour laboratory period covering the more important principles of mechanics and heat (first semester); electricity, magnetism, wave motion, light, and sound (second semester). This is a service course for premedical, pre dental, and pre-technician students. Prerequisites: One year of high school physics or consent of instructor; Mathematics 121-122 or 40a should accompany or precede this course.

121-122. GENERAL PHYSICS

Staff. 4

Lecture demonstrations, recitations and one three-hour laboratory period dealing in a rather rigorous manner with mechanics and heat (first semester); electricity, magnetism, wave motion, light, and sound (second semester). This is the basic Physics course for students who are majoring in the physical sciences, physics, mathematics, chemistry, and preengineering. Prerequisite: One year of high school physics or consent of instructor; Mathematics 121-122 should accompany or precede this course.

200. FLIGHT TRAINING

Dual and solo flight instruction leading to the CAA private pilot's license. (For full details see separate bulletin on Flight Training.) Maximum cost and deposit \$450.

201. FLIGHT TRAINING

Mr. Howe. 2

Basic ground school course for pilot training.

211-212. LABORATORY PHYSICS

Staff. 3

Exercises in the laboratory in study of mechanics, molecular physics, and heat (first semester); sound, light, magnetism, and

electricity (second semester). One discussion period and two 3-hour laboratory periods. Designed for engineering and science students. Prerequisites: 121-122, and 40a, Mathematics 116 or 121-122.

311. ELECTRICAL MEASUREMENTS

Mr. Howe. 3

A secondary laboratory course in which the theory and practice of precise methods of electrical measurement are presented. The theoretical course to accompany this is 313. Prerequisites: 211-212 and The Calculus.

312. LIGHT

Mr. Smith. 3

A secondary laboratory course dealing with experiments in geometric optics, diffraction, interference, polarization, and some practice with a spectrograph. Course 314 normally accompanies this course. Prerequisites: 211-212 and The Calculus.

313. MAGNETISM AND ELECTRICITY

Mr. Smith. 3

A secondary course dealing with fundamental laws of electric and magnetic fields, steady currents, electromagnetic induction, D.C. and A.C. circuits. Vector methods are introduced and used. Laboratory course 311 is recommended as an accompanying course. Prerequisites: 211-212 and The Calculus. (Offered in 1954-55 and in alternate years.)

314. GEOMETRIC AND PHYSICAL OPTICS

Mr. Smith. 3

A secondary course presenting the fundamental theorems of geometric optics and the theory of refraction, diffraction, interference and polarization of light. Physics 312 parallels this in the laboratory. Prerequisites: 211-212 and The Calculus. Offered in 1954-55 and in alternate years).

333. KINETIC THEORY AND THERMODYNAMICS

Mr. Smith. 3

Lecture course presenting selected topics of the kinetic theory of gases, the derivation of equations of state, and the laws of thermodynamics with implications and applications. Prerequisites: 211-212 and The Calculus. (Offered in 1953-54 and in alternate years.)

334. MODERN PHYSICS

Mr. Smith. 3

This course introduces the conduction of electricity through gases, the elementary particles of physics, the structure of matter, radiation, radioactivity and nuclear physics. Prerequisites: 211-212 and The Calculus. (Offered in 1953-54 and in alternate years.)

344. THERMIONICS AND ITS APPLICATION

Mr. Howe. 4

Laboratory and class work presenting fundamental ideas of thermionic emission and its application in vacuum tubes with their

salient characteristics: electronic circuits in common practice in radio and telephone. Prerequisites: 211-212 and The Calculus, or consent of instructor.

361-362. DIRECTED STUDY IN PHYSICS Staff. 3

431-432. ELEMENTS OF ELECTRICAL ENGINEERING Mr. Smith. 4

Lecture and laboratory course presenting the general theory of direct and alternating current circuits and machinery. Prerequisites: 211-212, and Mathematics 221-222.

441-442. ADVANCED LABORATORY AND SPECIAL PROBLEMS Staff. 2 or 3
Consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

PSYCHOLOGY

Mr. Lichtenstein, Chairman; Mrs. Jones, Mr. Carter, Mr. Gawain, Mr. Barlow,
Mr. Smith, Mr. Bishop

MAJOR IN PSYCHOLOGY

A major in Psychology requires a minimum of 26 hours in Psychology including courses 315-316, 342, 411, 412, and 440-441. A major is also required to take 51-52 and Mathematics 203. Course 40b is strongly recommended.

A student contemplating graduate work in Psychology should obtain a reading knowledge of at least one foreign language, preferably French or German. He should also take 40a, Mathematics 116; Physics 121-122 and 211-212.

MAJOR IN PERSONNEL ADMINISTRATION

The major in Personnel Administration is designed to provide an understanding of personnel policies and practices applicable in business and industry and in the field of education.

A student majoring in Personnel Administration is required to take a minimum of 24 hours in Psychology including courses 320, 338, 341-342, 417, and 420.

He is also required to take the following related courses: Economics 211-212, 317-318; Sociology 207, 415; and Government 211.

He should also register for as many as possible of the following related courses (the minimum number of semester-hours in this group is nine): Economics 223-224, 442-444, 316, 419; Education 322; Government 302, 231-232; Mathematics 203; and Speech 221.

Psychology 211 is prerequisite to all other credit courses in the department with the exception of 91 and 101.

91. VOCATIONAL INFORMATION 1
Vocational testing, readings, discussions, and counseling designed to aid the individual student to work constructively toward a sound vocational decision. (Not offered in 1953-54.)
93. PLACEMENT TECHNIQUES 0
Discussion of techniques of job hunting and placement interviewing. (Not offered in 1953-54.)
101. PSYCHOLOGY OF EFFECTIVE STUDY Mr. Smith. 1
Offered primarily for the student with demonstrated deficiencies but open to others on an elective basis. Includes such topics as time-scheduling, note-taking, reading speed, and reading comprehension. Meets three hours a week.
211. GENERAL PSYCHOLOGY Staff. 3
Introduction to the general nature and principles of behavior. (Offered each semester.)
217. CHILD AND ADOLESCENT DEVELOPMENT Mr. Carter. 4
Psychological development especially during early periods of growth. (Offered each semester.)
226. PSYCHOLOGY OF ADJUSTMENT Mr. Gawain. 3
Motivations of man with emphasis upon behaviors requisite for adequate living. (Offered each semester.)
- 315-316. EXPERIMENTAL PSYCHOLOGY Mr. Gawain. 3
Experimental approach to human behavior emphasizing experimental design and research. Prerequisite: Mathematics 203.
320. PERSONNEL PSYCHOLOGY Mrs. Jones. 3
A consideration of the psychological principles and procedures in effective personnel management, with special reference to business and industry.
338. SOCIAL PSYCHOLOGY Mr. Barlow. 3
Individual behavior as it is influenced by cultural forces.
339. PHYSIOLOGY PSYCHOLOGY Mr. Barlow. 3
A study of the physiological mechanisms of behavior. Prerequisite: 51-52 or Biology 111-112.

- 341-342. **PSYCHOLOGICAL TESTS AND MEASUREMENTS** Mr. Bishop. 3
Theory of psychological measurements (first semester) and application of individual and group tests (second semester).
- 345-346. **MINOR PROBLEMS** Staff. 2 or 3
Independent work on selected topics under the guidance of staff members. Consent of instructor.
411. **ABNORMAL PSYCHOLOGY** Mr. Lichtenstein. 4
Psychopathology: Its development, course, and treatment with emphasis upon prevention and cure.
412. **SYSTEMATIC PSYCHOLOGY** Mr. Lichtenstein. 4
A study of the schools of psychological thought and theory.
417. **INDUSTRIAL PSYCHOLOGY** Mr. Bishop. 3
Psychological principles and methods as they contribute to the solution of industrial problems. Prerequisites: 341-342.
420. **INTRODUCTION TO CLINICAL PSYCHOLOGY** Mr. Gawain. 3
A survey designed to acquaint the student with the role and function of the clinical psychologist. Consent of instructor.
- 440-441. **ADVANCED GENERAL PSYCHOLOGY** Mr. Lichtenstein. 2
Designed to integrate the student's knowledge of psychology.
- 445-446. **MINOR PROBLEMS** Staff. 2 or 3
Independent work on selected topics under the guidance of staff members. Consent of instructor.
- 461-462. **INDIVIDUAL WORK FOR HONORS** Staff. 3

RELIGION

Mr. C. Larson, Chairman; Mr. Scott, Mr. Bradner, Mr. Kruener

Religion courses are designed to assist the student in the examination of the meaning and value of his life, for cultural orientation, and as preparation for certain vocations. The pretheological student is advised to take at least 111, 112, and 213-214 as a basis for graduate work. Students preparing for vocations in religion without graduate training, such as pastoral assistants, church secretaries, directors of religious education, or ministers of music should begin planning their sequences with the chairman of the department by the sophomore year.

MAJOR IN RELIGION

Among the 24 semester-hours of credit for a major in this department 111, 112, 213-214, 217, and 401 are required.

111. INTRODUCTION TO HEBREW RELIGION Mr. Krueger. 3

Orientation to the study of the Bible: The history of the Hebrew people to 200 B.C.; the record of their religious and ethical insights as found in the Old Testament.

112. THE RISE OF CHRISTIANITY Mr. Krueger. 3

The origins of the Christian movement as found in the New Testament; the life and thought of the early church. Continuation of 111.

118. THE LIFE AND TEACHINGS OF JESUS Mr. Larson. 3

A detailed study of Jesus' life, thought, and significance based on the four gospels.

213-214. HISTORY OF CHRISTIAN THOUGHT AND ACTION Mr. Larson. 3

A survey of the western development of Christianity from the apostolic church to the Protestant Reformation (first semester), to the present time (second semester), attention to the genesis of Christian opinion on war, the state, the family, and property; consideration of the developing Christian art as an expression of Christian faith; biographical study of major persons. Religion 111 and 112 are recommended.

217. THE FAITHS OF MANKIND Mr. Larson. 3

Examination of the major religions of the world other than Judaism and Christianity.

218. CONTEMPORARY RELIGIOUS MOVEMENTS Mr. Scott. 3

A survey of the principal religious cults in the United States. Opportunity whenever possible for experience with the groups studied.

301. THE BASES OF CHRISTIAN ETHICS Mr. Scott. 3

A critical study of the fundamentals of Christian morality as represented primarily in contemporary Christian authors. 213, 214 recommended.

303. BASIC ISSUES IN RELIGION Mr. Larson, Mr. Scott. 3

A consideration of the basic elements in religious experience, such as faith in God, participation in community, conception of man's nature and needs, views about the good life for him. Special attention will be given to the Hebrew-Christian tradition with focus on

the actual and possible religious life of modern man. Open to sophomores with consent of instructor. (This course with Philosophy 303 fulfills the requirement for 81-82.)

303. RELIGION AND SCIENCE Mr. Larson. 3

A study of the impact of certain scientific viewpoints upon modern religion, primarily Christian; readings from scientists and theologians. Consent of instructor.

361-362. DIRECTED STUDY IN RELIGION 3

401. PHILOSOPHY OF RELIGION
(See Philosophy 401 for description.)

461-462. INDIVIDUAL WORK FOR HONORS 3

SOCIOLOGY

Mr. Mitchell, Acting Chairman; Mr. Valdes

MAJOR IN SOCIOLOGY

The major in Sociology is designed for a student who expects to pursue graduate study in Sociology leading to a teaching or research career, as preparation for those who anticipate entering social work and government service, and for those whose interest is primarily cultural.

A major in Sociology shall earn at least 24 semester-hours and preferably 30 semester-hours of credit in Sociology, including 207, 222 and 420 and at least 18 semester-hours of credit from the following related courses: Course 10, Economics 317-318, 332; Family Life 211; Geography 226; Government 211, 312, 315, 346; Mathematics 203; Philosophy 303, 321, 326; Physical Education 315; Psychology 211, 217, 338; and Religion 213-214, 217.

The requirement of Sociology 222 is waived for Sociology majors who are not planning to do graduate work. No student will be recommended to graduate school, however, without credit in this course.

Departmental majors are required to take Sociology 207, Economics 211-212, and Government 211 rather than 71-72. It is recommended that Sociology 207 be taken in the sophomore year.

Course 71-72 or Sociology 207 will serve as a prerequisite for all Sociology courses elected by those not majoring in Sociology.

207. FOUNDATIONS OF SOCIAL LIFE Staff. 4

The study of man, of human social organization, culture, and language, emphasizing both primitive and later technology, behavior, institutions, and the dynamics of society.

208. POPULATION PROBLEMS Staff. 3
Population, distribution, composition, growth, and their bearing on current economic, political, and social problems.
211. CRIMINOLOGY Mr. Mitchell. 3
A study of the phenomenon of crime in American society as to amount, the varying rates in terms of area of residence, age, social class, and occupational group, and the causes and the treatment of criminal behavior.
222. SOCIAL INVESTIGATION 3
Principal methods of social research are examined; planning and conducting of a research project and the use of current techniques of collecting, analyzing, interpreting, and reporting data. Prerequisite: Mathematics 203.
307. RURAL-URBAN REGIONS 4
Comparative and interrelated study of rural-urban life considering the physical, institutional, social, cultural, and economic factors of modern living.
308. SOCIAL WORK 3
A survey course including an analysis of public administration and private agencies and a descriptive comparison of types of social work including both case and group work.
312. RACE PROBLEMS IN THE UNITED STATES Mr. Mitchell. 4
Indians, Orientals, Negroes, and other minority groups in the United States.
- THE FAMILY Mr. Crist. 3
A study of the structure of the family as an institution and its inter-relationships with other social institutions; changing economic and social functions of the family as seen in historical and cultural perspective. (See Family Life 313.)
315. COMMUNITY ORGANIZATION 3
A study of natural and interest groupings within the community; methods of analyzing communities and the problems of community organization; the formation and analysis of programs for making effective community services and institutions.
340. COLLECTIVE BEHAVIOR Staff. 3
The study of crowd and mass behavior, public opinion, the behavior of interest groups, social unrest and social movements involving an analysis of the nature and forms of group interaction leading to the creation of attitudes, beliefs, social controls. Prerequisite: Psychology 338 or consent of instructor.

- 361-362. DIRECTED STUDY IN SOCIOLOGY Staff.
Credit earned will be determined by departmental evaluation.
415. HUMAN RELATIONS IN INDUSTRY Mr. Mitchell. 3
A study of the organization and characteristics of modern industrial societies; of the effects of technology on industrial environments; of the behavior of formal and informal groups in industry. The methodology of social research for analyzing and resolving group tensions in industry.
416. SOCIOLOGICAL THEORIES 3
A survey of the more important literature of theoretical sociology, comparing the work of major systematic sociologists from Comte to the present. Open only to majors, or by consent of instructor.
420. SEMINAR Mr. Mitchell. 3
Advanced study of special problems suggested by courses already taken. Open only to majors.
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

SPEECH

Mr. Crocker, Chairman; Mr. Green, Mr. M. J. Dean (part-time)

MAJOR IN SPEECH

A student majoring in Speech shall elect a minimum of 24 hours in Speech including 225, 312, 331, and 309 or Education 339. Other courses will be suggested to conform to the needs of the individual student.

114. ORAL READING Mr. Crocker. 3
Continuation of Course 10, credit in which counts toward a major in Speech. *Not open to students who have received credit in Theatre Arts 114.*
131. REMEDIAL SPEECH Mr. Dean. 1-2
Individual instruction for the correction of speech disorders, or for students seriously deficient in articulation, enunciation, and pronunciation. Individual need will determine the nature of this work. Credit hours assigned to determine study load and fees. *Does not count as credit toward graduation.*
- 211-212. ELEMENTS OF SPEECH Staff. 3
Continuation of Course 10, credit in which counts toward a major in Speech.

218. SPEECH COMPOSITION**Mr. Crocker. 3**

Analysis of masterpieces of public speaking of ancient and modern times. Masterpieces of the platform, radio, and television will be studied. Lectures, discussions, papers.

219. INTERCOLLEGIATE DEBATING**Mr. Crocker. 1-2**

The questions to be used in the intercollegiate debates will be studied and members of the men's and women's teams will be chosen from this class. Freshmen are organized into a separate class meeting one hour a week. A total of six hours in debating may be counted toward graduation.

220. DISCUSSION AND DEBATE**Mr. Crocker. 3**

How to lead and take part in group discussions. Parliamentary law, conferences, discussion, argumentation.

221. BUSINESS AND PROFESSIONAL SPEAKING**Mr. Crocker. 3**

Advanced public speaking. Prepared speeches appropriate to business and professional life. Consent of instructor.

225. INTRODUCTION TO RADIO**Mr. Green. 3**

The history of radio development; a study of the structure of broadcasting; comparative study of broadcasting practices in other countries; the objectives of radio as a social force and cultural influence; and the analysis of existing programs aimed toward the development of acceptable standards for radio. Prerequisite: Course 10 or equivalent.

226. RADIO WORKSHOP**Mr. Green. 3**

Comprehensive lecture-laboratory course covering the basic techniques of radio acting, writing, announcing, and directing. Prerequisite: 225 and consent of instructor.

227. RADIO PRODUCTION PROCEDURES**Mr. Green. 3**

Lecture-laboratory course in the production of complex program types; study of production problems, techniques, and procedure, acoustical and electrical distortion, and the development of sound patterns. Prerequisite: 226 and consent of instructor.

228. ADVANCED PRODUCTION PROCEDURES**Mr. Green. 3**

Study of music, variety, and complex dramatic program types. Continuation of 227. Prerequisite: 227 and consent of instructor.

229. CONTEMPORARY RADIO**Mr. Green. 2**

During spring vacation a trip to the four major radio networks in New York will be made to observe station operation, studio arrangements, the production of various types of programs from re-

hearsal through performance, and the production of television programs. Study of network operational policies and procedure precede the trip; a written report of the trip is required. Estimated cost of trip, exclusive of tuition, \$75 to \$100. Consent of instructor.

309. SEMINAR IN SPEECH Staff. 2

Readings and reports in the six areas of speech.

312. RHETORICAL THEORY Mr. Crocker. 2

Historical and critical survey of the principal theories of speech composition and delivery from Aristotle to the present time, with special emphasis on the classical period.

331. VOICE AND SPEECH IMPROVEMENT Mr. Dean. 3

The relation of speech to mental hygiene; an introduction to phonetics and to the study of speech disorders; types, characteristics, diagnosis, and theories of treatment. Prerequisites: 12 hours of Speech and/or Theatre Arts. (Offered in alternate years beginning in 1953-54.)

361-362. DIRECTED STUDY IN SPEECH OR RADIO Staff. 3

461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

THE TEACHING OF SPEECH (See Education 339.)

THEATRE ARTS

Mr. Wright, Chairman; Mr. Brasmer, Mr. Adams

MAJOR IN THEATRE ARTS

A student majoring in Theatre Arts shall elect 28 to 32 semester-hours. Among the courses should be 215-216, 323-324, 326, and 415-416 with additional hours in other courses representing acting, technical or theory, and criticism. Recommended courses in allied fields are English 321-322, 329, and 330, and such other courses as the department feels the student may need.

113. DRAMATIC INTERPRETATION Mr. Wright. 3

(Students with an interest in drama may substitute this course for Course 10.) Intensive work on individual voice and diction problems and the dramatic interpretation of the intellectual and emotional content of the best literature in essays, narratives (stories and dialects), dramas, and poetry. *Not open to students who have had Speech 114.*

114. ADVANCED DRAMATIC INTERPRETATION Mr. Wright, Mr. Brasmer. 3

An elective to follow Course 10 or Theatre Arts 113. This course places emphasis on developing an individual platform personality and the building of a repertoire. *Not open for credit to students who have received credit in Speech 114.*

215-216. INTRODUCTION TO THE THEATRE Staff. 3

Basic course in all phases of theatre production. Designed for nonmajors, but sophomore course for majors. The first semester is devoted to play selection, acting, makeup, business management, direction; the second semester to scenery design and construction, lighting and costuming, stage management and organization. Both sections offered each semester and both required for credit.

224. STAGE LIGHTING Mr. Adams. 2

Theory and practice in the proper use of lights in present day theatre.

225. CONTEMPORARY THEATRE Mr. Wright. 2

Attendance at outstanding productions in New York during spring vacation, preceded by study of contemporary productions and followed by a written report of the productions seen. Estimated cost of trip, exclusive of tuition, \$100. Consent of instructor.

227-228. ACTING FOR BEGINNERS Mr. Brasmer. 2

Acting experience in class work and studio productions. Emphasis on stage principles, traditions and character-creation, emotional interpretation, and projection.

229-230. ADVANCED ACTING Mr. Wright, Mr. Brasmer. 2

Work in all types of acting with emphasis on varsity production. Consent of instructor.

235. CHILDREN'S THEATRE Mr. Adams. 2-3

Specialized work in preparation and presentation of a play for children by adults. Consent of instructor.

301-302. STAGECRAFT AND SCENE DESIGN Mr. Adams. 2-6

Advanced work in design, construction, and painting of scenery for University productions, with special emphasis on stage-managing and all back-stage work. May be taken during Denison Summer Theatre. Consent of instructor.

323-324. THEATRE HISTORY Mr. Brasmer. 3

Survey of World Theatre from Greeks to the present, exclusive of America (first semester); survey of Theatre and Film in America from beginnings to present (second semester). Both emphasize influences cultural, social, and political as well as personalities and methods of production.

326. THEORY OF THE THEATRE

Mr. Wright. 3

The analysis and comparison of dramatic theories from Aristotle to the present with emphasis on present trends of stage and motion pictures. Prerequisite: 12 hours of Theatre Arts.

361-362. DIRECTED STUDY IN THEATRE ARTS

Staff. 3

401. MAJOR TECHNICAL PROBLEMS

Mr. Wright. 2-6

Open to students with special talent in lighting, direction, costuming, acting, playwriting, dramatic interpretation or such projects as may be necessary to complete a well-rounded background in their major field. May be taken as credit through participation in Denison Summer Theatre. Consent of instructor.

415-416. PLAY DIRECTION

Mr. Wright, Mr. Brasmer. 3

Theory and practical work in direction. Each student is responsible for selection, casting, rehearsing, and production of one-acts or longer plays presented in the Studio Theatre. Prerequisite: 15 hours of Theatre Arts and consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

CONSERVATORY OF MUSIC

FACULTY

KARL H. ESCHMAN, Ph.B., A.M., F.A.G.O.

Director of the Conservatory

Professor of Music

Graduate of Denison in piano and organ; graduate student, Harvard 1911-12, under Walter R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo Kaun and Victor Heinze, Berlin; under Erwin Stein, Egon Wellesz and others, University of Vienna, 1929-30; under Walter Piston, Harvard, 1942; member of the faculty, Ohio State and Northwestern summer sessions, 1926-29 and 1935 to date. Fellow of American Guild of Organists.

SAM GELFER

Assistant Professor of Music

VIOLIN

Pupil of Henry Schradieck, Theodore Spiering, Alois Trnka, and Joseph Achron in violin and of Frederick B. Stevens and R. H. Miles in theory; Juilliard School of Music, Chamber Music with Felix Salmond.

BRAYTON STARK, Mus.B., A.B., A.M., F.A.G.O.

University Organist

Associate Professor of Music

ORGAN AND THEORY

Graduate of Guilmand Organ School; post-graduate work at Eastman School of Music; theory with T. Tertius Noble and organ with Joseph Bonnet, organist of Cathedral of St. Eustache, Paris; director of music at Christ Church, Corning, N. Y.; Fellow of American Guild of Organists. Graduate of Denison in Music and in liberal arts; A.M., Harvard.

SUE HAURY, A.B.

Assistant Professor of Music

PIANO

Graduate of Peabody Conservatory; graduate student at New England Conservatory; fellowship at Juilliard Graduate School; graduate of Denison; pupil of Olga Samaroff, Rudolf Ganz, Ernest Hutcheson, and Carl Friedberg in piano. Instructor, Occidental College, Los Angeles, Calif.

HERMAN LARSON, A.B.

Assistant Professor of Music

VOICE

Graduate of Augustana College, Sioux Falls, S.D., 1933; Graduate student, American Conservatory of Music, Chicago, 1933-37, voice with Theodore Harrison and theory with Leo Sowerby and Jeanne Boyd; instructor, Valparaiso University, Valparaiso, Ind., 1935-36, and Joliet Conservatory of Music, Joliet, Ill., 1936-37; Associate Professor, University of Oklahoma, 1937-44.

ROBERT MILLER, Mus. B., Mus. M., Licence de Concert from
Paris, France

Assistant Professor of Music

PIANO

Graduate of Northwestern University; post-graduate work at Northwestern University, Conservatoire Americain at Fontainebleau, France, summer 1949. United States Fulbright Grant 1950-51, Ecole Normale de Musique de Paris (First Prize of the School); United States Fulbright Prize Award 1951-52, Conservatoire National de Musique de Paris. Student of Louis Crowder, Robert Casadesus, Alfred Cortot, Yves Nat, and Aldo Ciccolini. Member of the faculty of Northwestern University, summer session 1950.

AUDUN RAVNAN

Instructor in Music (on leave 1953-54)

PIANO

Student at Bergen Conservatory of Music, Norway; Riefing Institute of Piano, Oslo, Norway; special student, Northwestern University; pupil of Ivar Johnsen and Louis Crowder. Instructor, Bergen Conservatory of Music, and Preparatory Department, Northwestern University.

HARTLEY R. ALLEY, B.S. and M.A. in Mus. and Mus. Ed.

Instructor in Music and Music Education

INSTRUMENTAL MUSIC

Graduate of Teachers College, Columbia University, for both bachelor and master's degrees; majored in composition, Miami University; majored in trombone, Juilliard School of Music; studied conducting with Robert Hufstader and Norval Church; trombone with Ernest Clarke; theory with Howard Murphy. Played first trombone and was assistant conductor, 310th Air Force Band, 1942-45; conductor and arranger, recording studios, New York City, 1946-50; director, high school band, Hagerstown, Maryland, 1950-51.

MUSIC CURRICULUM

THEORETICAL STUDIES

Courses in the theory and history of music will be found listed in detail under the Department of Music in the regular list of college courses in the catalog. (See Department of Music.)

APPLIED STUDIES

Proficiency in one department of Applied Music is a requirement for graduation. To obtain the *Conservatory Diploma* the student must appear in a public recital near the end of his senior year. If he chooses to substitute normal study for the recital and shows evidence of ability to teach his major subject, he will receive a *Conservatory Certificate*.

A student who selects violin, voice, violoncello, or other field, as his major must take piano as a minor subject until he is able to play piano music of the third grade of difficulty.

The number of years required to complete the work in any applied study depends entirely upon the student's ability and previous training. Examinations at intervals will be given to the student to ascertain his standing. In general, these examinations consist of technical demonstrations, the performance of prepared compositions from memory, and the playing of one selection prepared without the aid of the teacher.

PIANO

It is the aim of the Department of Music to study and to meet the individual needs of each student. In accordance with this policy, the department accepts a student for *private lessons only*.

Especial attention is paid to the laying of careful foundations in technical work. Modern principles of relaxation and of good tone production are emphasized. Facility and velocity are sought, but artistic interpretation is even more desirable. This is, of course, impossible of attainment without an adequate technique.

The student's attention is called to the problems underlying program-making, and his knowledge of piano literature is supplemented by theoretical work.

For junior standing in this department, a student must play all major and minor scales in three speeds; scales of double thirds, fourths, and octaves, and arpeggios of all triads, diminished and dominant sevenths; Bach's three-part inventions, a Haydn sonata, compositions by Schubert, Mendelssohn, and others.

For senior standing, a student must achieve greater speed and facility in all technical work. Other requirements are scales in double sixths, fugues from the *Well-Tempered Clavichord*, a Beethoven sonata, and compositions by Schubert, Chopin, and more modern composers.

VOICE

Since correct placement is the aim of all vocal instruction, the teacher seeks to determine the student's normal range and to perfect the even quality of tones throughout that range. Other factors stressed are correct control of the breathing, diction, and enunciation. The vocal student is required to study a modern foreign language in order to cultivate vocal diction in more than one idiom. He is also required to study the piano and is advised to begin this study early in his course.

Vocal instruction will be directed toward the problems peculiar to the voice, and to song interpretation, to rhythm, and to phrasing. The song literature of all schools, *lieder*, arias, ballads, and art songs are used.

The student in voice is urged to participate in the University chorus, and to study solfeggio and elementary theory.

For junior standing in this department, a student must show proficiency in vocalization from the first books of Concone, Lamperti, Marchesi, Sieber, Vaccai, or similar works. He must also demonstrate satisfactory enunciation and range in songs of moderate difficulty in English.

For senior standing, a student must show proficiency in advanced vocalization and in arias from opera and in oratorio in other languages.

For those who wish an introduction to singing, class lessons may be arranged (Voice Class, one hour credit). A student is accepted for private lessons at any stage of advancement.

ORGAN

Study of the piano is a prerequisite for the study of the organ. Whether or not the student has fulfilled this requirement is determined by the instructor. The department reserves the right to require more piano study.

Because the acquisition of a smooth legato style at the organ is the objective, the music for advanced study is selected from those composers who are especially idiomatic—Bach, Mendelssohn, Rheinberger, Guilmant, and others. Both concert and church music are studied.

For junior standing in this department, the student must pass examinations which will require him to play a composition previously studied; to play a selection prepared without the aid of the teacher; to play at sight a simple trio for two manuals and pedal; to play pedal scales (major or minor) of two notes at 120 mm.; to transpose at sight a passage in four-part harmony into keys not more than one tone higher or lower, and to play simple modulations.

For senior standing, the student must play a composition previously studied and a selection prepared without the teacher's help. In addition, he must play at sight a more difficult trio, must play pedal scales (major and minor) of four notes at 84 mm., and also arpeggios. He must also transpose at sight a passage in four-part harmony into keys not more than a major third higher or lower and must play modulations into remote keys.

VIOLIN AND VIOLONCELLO

Those entering violin and violoncello playing for the first time will find especial attention paid to matters of position, bowing, and fingering. From the start, production of good tone with clear intonation is emphasized.

More advanced pupils are introduced to a wide range of literature. Ensemble playing is encouraged. Any student sufficiently advanced has the opportunity of playing in the University orchestra.

The aim is for a broad musicianship and a high plane of artistic conception and interpretation.

For junior standing, the student must pass examinations in Violin based upon technical studies by Mazas (*Opus 36*), Kreutzer, or Fiorillo, and compositions by DeBeriot, Vieuxtemps, Viotti, Rode, and Haydn.

For senior standing, he may expect to be examined on the *Twenty-four Caprices* of Rode, DeBeriot's *L'Ecole Transcendante* and concertos by Spohr, Mozart, and Nardini, together with sonatas by Mozart and Beethoven.

WIND INSTRUMENTS

Those playing wind instruments for the first time will be taught to build a good embouchure and helped to acquire a good tone, good articulation, and the control necessary for good phrasing. More advanced pupils will be introduced to a wide range of literature for their particular instrument, and for junior and senior standing will be examined on material comparable in difficulty to that required by other departments.

MUSICAL ORGANIZATIONS

THE A CAPPELLA CHOIR of mixed voices sings at student convocations and on various other programs, including a home concert each year.

THE BAND is organized as the Marching Band during the football season, appearing at home games and making several trips to out-of-town games. During the winter and spring the Concert Band rehearses and appears in one or more concerts.

THE CHORAL ENSEMBLE has sung Handel's *Messiah* at the Christmas season annually since 1905, and other choral works in the annual Spring Festival. In recent years 250 or more voices have sung Verdi's *La Traviata*, Bach's *Passion According to St. Matthew*, Gluck's *Orpheus*, Schubert's *Mass in E flat Major*, Bizet's *Carmen*, Mozart's *Requiem*, Verdi's *Manzoni Requiem*, and Faure's *Requiem*.

ENSEMBLE work in string and piano classes is offered for students sufficiently advanced.

THE MEN'S GLEE CLUB with 80 years of tradition behind it is in frequent demand for various short programs. The club appears on radio programs, gives several home concerts each year, and takes an annual spring trip for a series of concerts away from Granville.

THE DENISON ORCHESTRA affords students the opportunity of playing in a spring concert and in both music festivals. Members are also invited to play in the Licking County Symphony Orchestra.

THE WOMEN'S GLEE CLUB, which was first formed about 50 years ago, appears in programs in and near Granville, presents at least two concerts annually, and usually makes a spring concert tour to several Ohio cities.

SUMMARY OF STUDENT ENROLLMENT
DENISON UNIVERSITY
1953-54

| | Men | FIRST SEMESTER Women | Total |
|--------------------------------|-----|-------------------------|-------|
| Seniors ----- | 130 | 102 | 232 |
| Juniors ----- | 94 | 123 | 217 |
| Sophomores ----- | 158 | 184 | 342 |
| Freshmen ----- | 213 | 230 | 443 |
| Special ----- | 1 | 1 | 2 |
| Total | 596 | 640 | 1,236 |
| Part-time (College Rank) ----- | 12 | 9 | 21 |
| Grand Total | 608 | 649 | 1,257 |
| Conservatory of Music | | | |
| (Applied Music Students) | | | |
| College Rank ----- | 27 | 64 | 91 |
| Non-College ----- | 2 | 8 | 10 |

SUMMARY OF ENROLLMENT BY STATES AND
FOREIGN COUNTRIES
FIRST SEMESTER 1953-54

| States and Territories | Men | Women | Total |
|--|-----|-------|-------|
| Arkansas | 0 | 1 | 1 |
| California | 5 | 5 | 10 |
| Colorado | 1 | 1 | 2 |
| Connecticut | 10 | 7 | 17 |
| District of Columbia | 0 | 2 | 2 |
| Florida | 3 | 1 | 4 |
| Georgia | 0 | 1 | 1 |
| Hawaii | 2 | 0 | 2 |
| Illinois | 56 | 67 | 123 |
| Indiana | 15 | 18 | 33 |
| Iowa | 0 | 2 | 2 |
| Kentucky | 8 | 12 | 20 |
| Maine | 2 | 0 | 2 |
| Maryland | 4 | 7 | 11 |
| Massachusetts | 11 | 6 | 17 |
| Michigan | 49 | 45 | 94 |
| Missouri | 1 | 0 | 1 |
| New Hampshire | 2 | 0 | 2 |
| New Jersey | 16 | 22 | 38 |
| New Mexico | 0 | 1 | 1 |
| New York | 46 | 46 | 92 |
| North Carolina | 0 | 2 | 2 |
| Ohio | 292 | 284 | 576 |
| Oklahoma | 1 | 0 | 1 |
| Oregon | 0 | 2 | 2 |
| Pennsylvania | 45 | 82 | 127 |
| Rhode Island | 0 | 1 | 1 |
| South Dakota | 1 | 0 | 1 |
| Tennessee | 0 | 1 | 1 |
| Texas | 0 | 2 | 2 |
| Vermont | 0 | 4 | 4 |
| Virginia | 1 | 0 | 1 |
| West Virginia | 3 | 7 | 10 |
| Wisconsin | 10 | 5 | 15 |
| <hr/> | | | |
| Total United States | 584 | 634 | 1,218 |
| Australia (New South Wales) | 1 | 0 | 1 |
| British West Africa (Gold Coast) | 1 | 0 | 1 |
| British West Indies (Jamaica) | 1 | 0 | 1 |
| Canada (Newfoundland) | 1 | 0 | 1 |
| China (Formosa) | 2 | 0 | 2 |
| Estonia | 0 | 1 | 1 |
| France | 1 | 0 | 1 |
| Germany | 0 | 1 | 1 |
| Greece | 1 | 1 | 2 |
| Japan | 1 | 2 | 3 |
| Nicaragua | 1 | 0 | 1 |
| Norway | 1 | 0 | 1 |
| Turkey | 0 | 1 | 1 |
| Uruguay | 1 | 0 | 1 |
| <hr/> | | | |
| Grand Total | 596 | 640 | 1,236 |
| Total States and Territories Represented | | | 34 |
| Total Foreign Countries Represented | | | 14 |



DOANE ADMINISTRATION BUILDING

BOARD OF TRUSTEES

OFFICERS OF THE BOARD

FRANKLIN G. SMITH, LL.D., *Honorary Chairman*

WILLIAM P. HUFFMAN, B. S., *Chairman*

GEORGE M. ROUDEBUSH, Ph.B., LL.B., *First Vice-Chairman*

CHARLES W. DEEDS, B.S., M.B.A., *Second Vice-Chairman*

BURT T. HODGES, B.S., M.A., *Secretary and Treasurer*

MEMBERS

Ex-Officio

President A. BLAIR KNAPP, A.B., M.A., LL.D., L.H.D.

CLASS I—TERM EXPIRES JUNE, 1954

*ERNEST C. BRELSFORD, B.S. (Elected by Alumni)

23555 Euclid Avenue, Cleveland 17, Ohio

RANDOLPH EIDE, A.B.

3232 Rumson Road, Cleveland Heights 18, Ohio

*ROBERT W. ENGLEHART, Ph.B., LL.B.,

2177 East Milwaukee Avenue, Detroit 11, Mich.

*Alumnus of Denison University

LEONA D. HENDERSON (Mrs. Warren J.)

22239 Shaker Boulevard, Cleveland 22, Ohio

*ALICE MCCANN JAMES (Mrs. H. A.), A.B.

4922 Courville Road, Toledo 12, Ohio

*WILLIAM F. MEREDITH, Ph.B., A.M., Ph.D. (Elected by Alumni)

313 Summit Road, Springfield, Penna.

*MERRILL R. MONTGOMERY, B.S.

74 Granville Road, Newark, Ohio

EVERETT D. REESE, B.S.

Park National Bank, Newark, Ohio

*C. EARL RICHARDS, Ph.B., S.B., 379 Westland Avenue, Columbus, Ohio

CHARLES LYON SEASHOLES, A.B., B.D., D.D.

First Baptist Church, Dayton 2, Ohio

*HENRY S. STOUT, B.S.

25 North Main Street, Dayton 2, Ohio

*DEXTER J. TIGHT, B.S.

301 Mission Street, San Francisco, Calif.

CLASS II—TERM EXPIRES JUNE, 1955

*LAWRENCE E. BALDWIN, Ph.B., M.A. (Elected by Alumni)

45 West Mohawk Street, Buffalo, N. Y.

*PAUL E. CLISSOLD, B.S. (Elected by Alumni)

105 West Adams Street, Chicago 3, Ill.

*GEORGE D. CURTIN, B.S., M.F.

601 East Main Street,
Clarksburg, W. Va.

*CHARLES W. DEEDS, B.S., M.B.A.

750 Main Street, Hartford, Conn.

CYRUS S. EATON, A.B., M.A., C.D.L., 2000 Terminal Tower, Cleve-
land 13, O.

*EUGENE EXMAN, Ph.B., A.M., Rel. Ed. D.

Harper and Brothers, 49 East 33rd Street, New York 16, N.Y.

*WILLIAM P. HUFFMAN, B.S.

P.O. Box 883, Dayton, Ohio

CHARLES GLEN KING, B.S., Ph.D.

The Nutrition Foundation, Inc.
Chrysler Building, New York 17, N. Y.

HARRY H. KRUEGER, A.B., B.D.

Pastor, First Baptist Church,
Granville, Ohio

FRANKLIN G. SMITH, LL.D.,

Apt. 410, 13700 Shaker Blvd., Cleveland 20, Ohio

*Alumnus of Denison University.

FRANK FLAGG TAYLOR

Continental Illinois National Bank and Trust Co.,
231 South LaSalle Street, Chicago 90, Ill.

*FORD R. WEBER, B.S. 410 Madison Avenue, Toledo 4, Ohio

CLASS III—TERM EXPIRES JUNE, 1956

EDMUND G. BURKE 153 Pierrepont Street, Brooklyn 2, N.Y.

*LORENA WOODROW BURKE (Mrs. Charles F.), Ph.B.
375 Riverside Drive, New York, N. Y.FREDERICK C. CRAWFORD, A.B., M.C.E., D.Eng., LL.D.
23555 Euclid Avenue, Cleveland 17, Ohio*ALBERT W. DAVISON, B.S., M.A., Ph.D., Sc.D.
1199 Moundview Avenue, Newark, Ohio

*EDWARD A. DEEDS, B.S., D.Eng. 20 Exchange Place, New York, N. Y.

*HELEN G. LAYCOCK, A.B., (Elected by Alumni)
68 East Cedar Street, Ft. Dearborn Station, Chicago, Ill.*GEORGE C. MCCONNAUGHEY, Ph.B., LL.B.
1776 Redding Road, Columbus 12, Ohio*THOMAS E. NORFELL, A.B., M.A., J.D. (Elected by Alumni)
986 Lawnview Avenue, Newark, Ohio*GEORGE M. ROUDEBUSH, Ph.B., LL.B.
915 Williamson Building, Cleveland 14, Ohio

*G. HERBERT SHORNEY, B.S. 5707 West Lake Street, Chicago 44, Ill.

*PERCY L. WILTSEE, A.B. 3547 Raymar Drive, Cincinnati 8, Ohio

*JOHN E. F. WOOD, A.B., LL.B., M.A. in Jur.
31 Nassau Street, New York, N.Y.

TRUSTEES—EMERITI

*FRANK B. AMOS, A.B., 1934-1950
24 Smallwood Place, North White Plains, N.Y.*ALFRED M. COLBY, Ph.B. 1925-1953
198 Dawson Avenue, Mansfield, Ohio

LEWIS R. ZOLLARS, 1912-1948 R.F.D. 1, Hills and Dales, Canton, Ohio

*Alumnus of Denison University.

THE FACULTY

A. BLAIR KNAPP, 1951— *President*
 A.B., Syracuse; M.A., Syracuse; LL.D., Syracuse; L.H.D.,
 Temple.

CYRIL F. RICHARDS, 1937—*Vice President and Dean of the College*
 B.S., Linfield; B.D., Colgate-Rochester; A.M., Manitoba; L.H.D.,
 Linfield.

* * *

(Arranged in alphabetical order, year indicating date of
 joining Denison staff)

RICHARD G. ADAMS, 1947-49; 1951— *Instructor in Theatre Arts*
 B.A., Denison; M.A., Columbia.

HUGO RODRIGUEZ ALCALA, 1953— *Assistant Professor of Modern
 Languages*
 B.A., Colegio Nacional (Paraguay); Ph.D., Universidad de
 Asuncion; M.A., State College of Washington; Ph.D., Wisconsin.

HARTLEY R. ALLEY, 1951—*Instructor in Music and Music Education*
 B.S. Mus. Ed., Columbia; M.A. Mus. Ed., Columbia.

ROBERT W. ALRUTZ, 1952—*Assistant Professor of Biological Sciences*
 B.S., Pittsburgh; M.S., Illinois; Ph.D., Illinois.

K. DALE ARCHIBALD, 1948— *Assistant Professor of Biological Sciences*
 B.A., Denison; M.A., Ohio State; B.D., Colgate-Rochester.

JOHN S. ATLEE, 1952— *Instructor in Economics*
 B.S., Chicago.

FRANK T. BACHMURA, 1953— *Assistant Professor of Economics*
 B.S., New York U.; A.M., Chicago; Ph.D., Chicago.

JOHN A. BARLOW, 1953— *Assistant Professor of Psychology*
 A.B., Oberlin; Ph.D., Duke.

CAPTAIN ROBERT J. BARTUSCH, 1953— *Assistant Professor of
 Air Science and Tactics*
 B.S., Illinois.

FRANCIS C. BAYLEY, 1946— *Dean of Men*
 A.B., Dickinson; B.D., Drew; Ph.D., Columbia.

†PAUL L. BENNETT, 1947— *Assistant Professor of English*
 B.A., Ohio U.; M.A., Harvard.

CLAYTON K. BISHOP, 1952— *Instructor in Psychology*
 A.B., Brown; M.A., Yale.

†On sabbatical leave first semester, 1953-54.

- JOHN L. BJELKE, 1925-51 *Secretary Emeritus, Denison
Society of the Alumni*
Ph.B., Denison; M.A., Columbia.
- CLEVELAND J. BRADNER, JR., 1952— *Assistant Professor of Religion
and Philosophy*
B.A., Atlantic Christian College; B.D., Chicago; M.A., Columbia.
- WILLIAM O. BRASMER, JR., 1948—*Assistant Professor of Theatre Arts*
B.S., Northwestern; M.A., Northwestern.
- JOHN B. BROWN, 1952— *Instructor in Chemistry*
B.S., Kentucky.
- JACK R. CARL, 1949— *Assistant Professor of Physical Education*
A.B., Denison; M.S., Indiana.
- ROBERT S. CARTER, 1949— *Associate Professor of Psychology
and Chairman of Department of Education*
B.S., Bucknell; M.S., Bucknell; Ph.D., New York U.
- WILLIS A. CHAMBERLIN, 1891-1937—
 Professor Emeritus of Modern Languages
A.B., Denison; A.B., Harvard; A.M., Denison; Ph.D., Chicago;
Litt.D., Denison.
- G. WALLACE CHESSMAN, 1950-51; 1953— *Assistant Professor of
History*
A.B., Harvard; M.A., Harvard; Ph.D., Harvard.
- §TRISTMAN P. COFFIN, 1949— *Assistant Professor of English*
B.S., Haverford; M.A., Pennsylvania; Ph.D., Pennsylvania.
- EDWARD M. COLLINS, 1948— *Associate Professor of Physical Science*
B.S., Princeton; A.M., Princeton; Ph.D., Princeton.
- JOHN R. CRIST, 1952— *Associate Professor of Family Life*
A.B., Pacific College; M.A., Iowa; Ph.D., Missouri.
- LIONEL G. CROCKER, 1928— *Professor of Speech*
A.B., Michigan; A.M., Michigan; Ph.D., Michigan.
- **LINDLEY RICHARD DEAN, 1921-1953
 Professor Emeritus of Classical Languages
A.B., Dartmouth; A.M., Princeton; Ph.D., Princeton.
- MARTIN J. DEAN, 1951-52; 1953— *Instructor in Speech (part-time)*
A.B., Michigan State; M.A., Michigan State.

§Doing part-time teaching while on leave from regular teaching duties, 1953-54.

**In active service (part-time) 1953-54.

- FREDERICK G. DETWEILER, 1917-1949—*Professor Emeritus of Sociology*
A.B., Denison; B.D., Colgate-Rochester; Ph.D., Chicago.
- MARY L. DORR, 1950—*Assistant Catalog Librarian*
A.B., Cornell; B.S. in L.S., Columbia.
- LENTHIEL H. DOWNS, 1947—*Associate Professor of English*
B.A., Tusculum; M.A., Iowa; Ph.D., Iowa.
- BURTON W. DUNFIELD, 1950—*Director of Admissions*
B.S., Bates.
- JAMES R. ELLIOTT, 1953—*Assistant Professor of Economics*
A.B., Syracuse; M.A., Syracuse; Ph.D., Syracuse.
- LOIS E. ENGLEMAN, 1948—*Librarian*
B.A., James Millikin; B.S. in L.S., Western Reserve; M.S., Columbia.
- KARL H. ESCHMAN, 1913—*Jessie King Wiltsee Professor of Music*
Ph.B., Denison; A.M., Harvard.
- W. ALFRED EVERHART, 1920—*Professor of Chemistry*
A.B., Miami; M.S., Lehigh; Ph.D., Ohio State.
- DONALD R. FITCH, 1924—*Registrar*
Ph.B., Denison; M.S., Denison.
- GARY C. V. GAWAIN, 1950—*Assistant Professor of Psychology*
A.B., Bucknell; M.A., Bucknell; Ph.D., Pennsylvania State.
- SAM GELFER, 1925—*Assistant Professor of Violin*
- *LELAND J. GORDON, 1931—*Professor of Economics*
B.S., Pennsylvania; A.M., Pennsylvania; Ph.D., Pennsylvania.
- CHARLES E. GRAHAM, 1953—*Instructor in Geography and Geology*
(Acting Chairman, First Semester)
B.S., State College of Washington; M.S., State College of Washington.
- NORMAND W. GREEN, 1952—*Instructor in Speech*
B.S.Ed., Idaho; M.A., Miami.
- MARY RUTH B. GROGAN, 1929—*Assistant Librarian*
A.B., Indiana; B.S. in L.S., Columbia.
- ARNOLD GRUDIN, 1953—*Instructor in Mathematics*
B.A., New York U.; M.A., Columbia U.

*On leave both semesters, 1953-54.

- SUE HAURY, 1928— *Assistant Professor of Music*
A.B., Denison.
- E. BASIL HAWES, 1923-1953— *Professor Emeritus of Education*
Ph.G., Starling Medical College; B.S., Ohio State; M.S., Ohio State.
- MAJOR HARRY E. HAYS, 1953— *Associate Professor of Air Science and Tactics*
B.Ed., Tulane.
- MAYLON H. HEPP, 1946— *Professor of Philosophy*
A.B., Oberlin; M.A., Oberlin; Ph.D., Brown.
- BURT T. HODGES, 1934— *Treasurer*
B.S., Denison; M.A., Chicago.
- MASTER SERGEANT ELDON O. HOOVER, 1952— *Instructor in Air Science and Tactics*
- PAULINE O. HOOVER, 1938-1950; 1952— *Catalog Librarian*
B.A., Denison; B.S. in L.S., Western Reserve.
- RICHARD H. HOWE, 1920— *Associate Professor of Physics*
B.S., Denison; M.S., Denison.
- †SIDNEY JENKINS, 1920— *Associate Professor of Physical Education*
B.S., Denison; A.M., Ohio State.
- ERIC JOHANNESSEN, 1952— *Instructor in Art*
B.A., Wayne; M.A., Wayne.
- ALFRED J. JOHNSON, 1928— *Business Manager*
A.B., Denison; M.B.A., Harvard.
- CAPTAIN DAVID M. JONES, 1952— *Assistant Professor of Air Science and Tactics*
B.A., Ohio Wesleyan; M.A., Teachers College, Columbia.
- LEONA WISE JONES, 1952— *Dean of Women and Professor of Personnel Psychology*
B.S., Ohio State; M.A., Ohio State; Ph.D., Northwestern.
- CHOSABURO KATO, 1928— *Benjamin Barney Professor of Mathematics*
B.S., Denison; M.S., Chicago; Ph.D., Ohio State.
- COLONEL PAUL C. KIEFER, 1952— *Professor of Air Science and Tactics*
B.S., Ohio U.; M.A., Ohio State.
- DORA EVELYN C. KING, 1953— *Instructor in English (part-time)*
A.B., Miss. State College for Women.

†On sabbatical leave first semester, 1952-54.

- HORACE KING, 1931— *Professor of Art*
A.B., Ohio State; A.M., Ohio State.
- JOSEPH L. KING, 1924—*Lorena Woodrow Burke Professor of English*
A.B., Richmond; A.M., Columbia; Ph.D., Columbia.
- †RUTH KOEBER, 1947— *Assistant Professor of Modern Languages*
Diploma, University of Berlin; M.A., Nebraska; Ph.D., Northwestern.
- HARRY H. KRUEGER, 1952— *Visiting Lecturer in Religion*
A.B., Haverford; B.D., Andover Newton Theological School.
- A. COLLINS LADNER, 1928-1953—
Assistant Professor Emeritus of Mathematics
A.B., Brown; A.M., Brown.
- CURTIS W. R. LARSON, 1951— *Associate Professor of Religion*
B.A., Hamline; B.D., Garrett Biblical Inst.; Ph.D., Yale.
- HERMAN W. LARSON, 1944— *Assistant Professor of Music*
A.B., Augustana.
- BARBARA LEE, 1948— *Assistant Professor of Art*
B.F.A., Wayne; M.A., Wayne.
- LELAND C. LEHMAN, 1949— *Assistant Professor of Economics*
A.B., Bluffton; M.A., Ohio State.
- NANCY ELOISE LEWIS, 1946— *Instructor in English*
A.B., Denison; M.A., Duke.
- THOMAS A. LEWIS, 1914-1943— *Professor Emeritus of Psychology*
A.B., William Jewell; Ph.D., Johns Hopkins.
- PARKER E. LICHTENSTEIN, 1949— *Professor of Psychology*
B.S., Massachusetts; M.S., Massachusetts; Ph.D., Indiana.
- †ARTHUR WARD LINDSEY, 1922— *Professor of Biological Sciences*
A.B., Morningside; M.S., Iowa; Ph.D., Iowa; D.Sc., Morningside.
- WALTER J. LIVINGSTON, 1911-1952 *Professor Emeritus of Physical Education*
B.S., Denison; D.Sc. in Phys. Ed., Denison.
- THEOPHILUS S. LYNCH, 1953— *Instructor in Modern Languages*
B.A., Williams; M.A., Pennsylvania.
- PRESSLEY C. MCCOY, 1951— *Instructor in Oral Communication*
B.A., Muskingum; M.A., Northwestern.

‡On sabbatical leave second semester, 1953-54.

†On sabbatical leave first semester, 1953-54.

- †RICHARD H. MAHARD, 1941—
Associate Professor of Geography and Geology
 A.B., Michigan Normal; M.A., Columbia; Ph.D., Columbia.
- DANNER LEE MAHOOD, 1927—
Associate Professor of English
 B.S., Davidson; M.S., Virginia.
- C. LESLIE MAJOR, 1931—
Assistant Professor of Education
 A.B., William and Mary; A.M., William and Mary.
- KENNETH B. MARSHALL, 1953—
Instructor in English
 A.B., Michigan; M.A., Michigan.
- KENNETH W. MEYER, 1952—
Instructor in Physical Education
 B.A., Denison.
- EDWARD H. MILLER, JR., 1953—
Assistant to the President
- LAWRENCE H. MILLER, 1953—
Director of Student Health Services
and Professor of Health Education
 A.B., Allegheny; M.D., Pennsylvania.
- ROBERT M. MILLER, 1949-50; 1953—
Assistant Professor of Music
 Mus.B., Northwestern; Mus. M., Northwestern; Licence de Concert, Paris, France.
- IRVING E. MITCHELL, 1949—
Professor of Sociology
 A.B., Gordon; M.A., New Hampshire.
- GEORGE D. MORGAN, 1927—
Professor of Biological Sciences
 B.S., Denison; M.S., Pittsburgh; Ph.D., Ohio State.
- LEROSS MORRIS, 1953—
Director of Physical Plant
 B.S., Iowa State College.
- E. CLARK MORROW, 1935—
Instructor in Government
 A.B., Denison; LL.B., Western Reserve.
- JOSEPHINE P. MOSS, 1950—
Assistant Reference Librarian
in charge of Audio-Visual Service
 A.B., Hiram; B.S. in L.S., Western Reserve.
- PAUL E. NELSON, JR., 1950—
Associate Professor of Economics
 B.A., Oberlin; M.A., American; Ph.D., Iowa State College.
- JOHN W. NICHOL, 1953—
Instructor in English
 A.B., Denison; M.A., Ohio State; Ph.D., Ohio State.
- VIRGINIA C. NORTHROP, 1950-51; 1953—
Assistant Professor of
Physical Education
 B.A., William Smith; M.A., Sarah Lawrence.
- RUTH A. OUTLAND, 1941—
Director of Public Information
 A.B., Coe.

†On sabbatical leave first semester, 1953-54.

- ANNA B. PECKHAM, 1900-1937—
Associate Professor Emeritus of Mathematics
 A.B., Wellesley; A.M., Denison.
- LOUIS PETITO, 1953— *Controller*
 B.A., Princeton; C.P.A.
- KEITH W. PIPER, 1951— *Instructor in Physical Education
 and Assistant Football Coach*
 A.B., Baldwin-Wallace; M.A., Western Reserve.
- BURDETTE C. POLAND, 1953— *Instructor in History*
 A.B., Swarthmore; A.M., Princeton.
- NORMAN H. POLLOCK, 1948— *Assistant Professor of History*
 A.B., Denison; A.M., Harvard; Ph.D., Pennsylvania.
- FRED L. PRESTON, 1949— *Assistant Professor of Modern Languages*
 A.B., Ohio U.; A.M., Harvard; Ph.D., Ohio State.
- *AUDUN RAVNAN, 1950— *Instructor in Music*
- H. LAMARR RICE, 1953— *Assistant to the President*
 A.B., Denison; B.D., Colgate-Rochester; M.R.E., Union Theological;
 M.A., Columbia.
- CONRAD E. RONNEBERG, 1946— *Professor of Chemistry*
 B.A., Lawrence; M.S., Massachusetts Institute of Technology;
 Ph.D., Chicago.
- MATTIE E. ROSS, 1952— *Instructor in Physical Education*
 B.S.Ed., Central Missouri State Teachers; M.Ed., Missouri.
- EDSON C. RUPP, 1919— *Associate Professor of Mathematics*
 Ph.B., Denison; M.S., Denison.
- SAMUEL D. SCHAFF, 1948— *Instructor in Education*
 A.B., Denison; M.A., Ohio State.
- LEE O. SCOTT, 1952— *Associate Professor of Religion and Philosophy*
 B.A., Occidental; B.D., Union Theological Seminary; Ph.D., Yale.
- ROBERT SEAGER II, 1949— *Instructor in History*
 A.B., Rutgers; A.M., Columbia.
- JANE C. SECOR, 1941— *Reference Librarian*
 A.B., Ohio State; B.S. in L.S., Western Reserve.
- WALTER T. SECOR, 1940— *Professor of Modern Languages*
 A.B., Grinnell; A.M., Columbia; Ph.D., Columbia.
- ELLENOR O. SHANNON, 1936— *Associate Professor of English*
 A.B., Tulane; A.M., Columbia.
- NATALIE M. SHEPARD, 1950— *Professor of Physical Education*
 B.S., Alfred; M.A., Columbia; Ph.D., New York U. (Women)

*On leave both semesters, 1953-54.

- ERI J. SHUMAKER, 1916— *Associate Professor of English*
A.B., Denison; A.M., Denison; Ph.D., Ohio State.
- ALMA B. SKINNER, 1920-1940— *Assistant Professor Emeritus of Modern Languages*
Ph.B., Denison; A.M., Columbia.
- HENRY J. SKIPP, 1934-1951— *Associate Professor Emeritus of Modern Languages*
A.B., Denison; A.M., Columbia.
- LEON E. SMITH, 1928— *Henry Chisholm Professor of Physics*
B.S., Ottawa; Ph.D., Pennsylvania.
- MARK W. SMITH, 1953— *Director of Vocational Services and Assistant Professor of Psychology*
B.A., Ohio State; M.A., Ohio State; Ph.D., Ohio State.
- WYNDHAM M. SOUTHGATE, 1946— *Associate Professor of History*
B.A., Harvard; M.A., Harvard; Ph.D., Harvard.
- DWIGHT R. SPESSARD, 1953— *Assistant Professor of Chemistry*
B.S., Otterbein; Ph.D., Western Reserve.
- ARTHUR P. STABLER, 1952— *Instructor in Modern Languages*
A.B., Pennsylvania; M.A., Pennsylvania.
- BRAYTON STARK, 1927— *Associate Professor of Music*
Mus.B., Denison; A.B., Denison; F.A.G.O.; A.M., Harvard.
- PRISCILLA F. STARK, 1952— *Instructor in English (part-time)*
B.A., Vassar; M.A., Radcliffe; Ph.D., Radcliffe.
- CHARLES W. STEELE, 1949— *Instructor in Modern Languages*
A.B., Missouri; M.A., California.
- BEATRICE P. STEPHENS, 1947— *Executive Secretary, Denison Society of the Alumni*
A.B., Lawrence.
- CEPHUS L. STEPHENS, 1949— *Professor of Government*
B.S., Ohio State; M.A., Ohio State; Ph.D., Ohio State.
- ANDREW STERRETT, 1953— *Assistant Professor of Mathematics*
B.S., Carnegie Institute of Technology; M.S., Pittsburgh.
- FREDERICK W. STEWART, 1924-1949— *Professor Emeritus of Religion*
A.B., Rochester; A.M., Rochester; B.D., Colgate-Rochester.
- MORTON B. STRATTON, 1943— *Associate Professor of History*
A.B., Tufts; A.M., Pennsylvania; Ph.D., Pennsylvania.
- HAROLD H. TITUS, 1928— *Maria Theresa Barney Professor of Philosophy*
A.B., Acadia; B.D., Colgate-Rochester; Ph.D., Chicago; D.Litt., Acadia.
- HARRY V. TRUMAN, 1948— *Associate Professor of Biological Sciences*
A.B., Ohio Wesleyan; A.M., Western Reserve; Ph.D., Wisconsin.

- WILLIAM T. UTTER, 1929— *Alumni Professor of History*
B.S., Northwestern Missouri State Teachers; A.M., Chicago;
Ph.D., Chicago.
- DONALD M. VALDES, 1953— *Instructor in Sociology*
B.A., Montclair State Teachers; M.A., George Peabody.
- ELIZABETH C. VAN HORN, 1953— *Instructor in Physical Education*
B.S.Ed., Miami U.; M.S., Wellesley.
- ELMER A. VASTYAN, 1953— *Assistant Director of Public
Information and Instructor in English (Journalism)*
B.A., Denison.
- BARBARA L. WARREN, 1952— *Assistant in Art*
B.A., Denison.
- CHARLOTTE F. WEEKS, 1944— *Assistant Director of Admissions*
A.B., Denison; M.A., Columbia.
- *MARION WETZEL, 1946— *Associate Professor of Mathematics*
A.B., Cornell College; M.A., Northwestern; Ph.D., Northwestern.
- †SAMUEL C. WHEELER, 1948— *Assistant Professor of Physics*
A.B., Miami; M.S., Illinois.
- **FORBES B. WILEY, 1910-1950— *Professor Emeritus of Mathematics*
A.B., Kalamazoo; A.B., Chicago; Ph.D., Chicago; D.Sc., Kalamazoo;
LL.D., Denison.
- RUSSEL H. WILLIAMS, 1926— *University Health Officer Emeritus*
B.S., Denison; M.D., Ohio State.
- FREDERICK M. WIRT, 1952— *Instructor in Government*
B.A., DePauw; M.A., Ohio State.
- STAFF SERGEANT RODGER W. WOODLING, 1952— *Instructor in Air
Science and Tactics*
- EDWARD A. WRIGHT, 1937— *Professor of Theatre Arts*
A.B., Iowa; A.M., Iowa.
- FRANK J. WRIGHT, 1924-1949— *Professor Emeritus of Geology*
A.B., Bridgewater; A.M., Virginia; Ph.D., Columbia; LL.D.,
Bridgewater.
- ADRA G. YARD, 1953— *Instructor in Typing (part-time)*
A.B., Pittsburgh; B.S., Carnegie Institute of Technology.
- RIX N. YARD, 1946-49; 1953— *Associate Professor and Chairman
of Physical Education (Men)*
B.S., Pennsylvania; M.S., Pennsylvania.

*On leave both semesters, 1953-54.

†On sabbatical leave second semester, 1953-54.

**In active service, 1953-54.

ADMINISTRATIVE STAFF

| | |
|---|---|
| A. BLAIR KNAPP, A.B., M.A., LL.D., L.H.D. | <i>President</i> |
| MARGARET L. ELEY | <i>Secretary</i> |
| EDWARD H. MILLER, JR. | <i>Assistant to president for Development</i> |
| H. LAMARR RICE, A.B., B.D., M.R.E., M.A. | <i>Assistant to President</i> |
| LOUISE W. WRIGHT, A.B. | <i>Administrative Assistant</i> |
| CYRIL F. RICHARDS, B.S., B.D., A.M., L.H.D. | <i>Vice President and Dean of the College</i> |
| EUGENIA H. GRESSLE | <i>Secretary</i> |
| BURT T. HODGES, B.S., A.M. | <i>Treasurer</i> |
| LOUIS PETITO, B.A., C.P.A. | <i>Controller</i> |
| GLENN BASORE, A.B. | <i>Secretary and Payroll Clerk</i> |
| EURIE M. LOUGHRIDGE, Ph.B. | <i>Assistant to the Controller</i> |
| GWENDOLYN R. WILLIAMS | <i>Bookkeeper</i> |
| REBECCA S. McDONALD | <i>Cashier</i> |
| ALFRED J. JOHNSON, A.B., M.B.A. | <i>Business Manager</i> |
| DELORES J. KLEIN | <i>Secretary</i> |
| LEROSS MORRIS, B.S. | <i>Director of Physical Plant</i> |
| MARGARET R. WELLS | <i>Secretary</i> |
| ALLAN M. DEWEY, A.B. | <i>Assistant to the Business Manager</i> |
| KATHRYN SALE | <i>Secretary</i> |
| ANITA BEHRENS | <i>Manager of Office Services</i> |
| JUNE H. VARNER | <i>Addressograph Operator</i> |
| C. LAURENCE GOODELL | <i>Manager of Bookstore</i> |
| CLARA EVANS | <i>Clerk</i> |
| DONALD R. FITCH, Ph.B., M.S. | <i>Registrar</i> |
| JOSEPHINE D. KRAUSE, B.S. | <i>Assistant Registrar</i> |
| KAREN LAGERGREN | <i>Secretary</i> |
| RUTH A. OUTLAND, A.B. | <i>Director of Public Information</i> |
| E. A. VASTYAN, B.A. | <i>Assistant Director</i> |
| SARAH JANE ARNOLD | <i>Secretary</i> |
| BURTON W. DUNFIELD, B.S. | <i>Director of Admissions</i> |
| SHIRLEE JONES | <i>Information Secretary</i> |
| CHARLOTTE F. WEEKS, A.B., M.A. | <i>Assistant Director</i> |
| ANN EVANS | <i>Secretary</i> |

| | |
|------------------------------------|---|
| BEATRICE P. STEPHENS, A.B. | <i>Executive Secretary of the Society of the Alumni</i> |
| MARIJANE S. MILNER | <i>Secretary</i> |
| KARL H. ESCHMAN, Ph.B., A.M. | <i>Director of the Conservatory of Music</i> |
| AUDREY C. MITCHELL | <i>Secretary</i> |
| EDWARD A. WRIGHT, A.B., A.M. | <i>Director of the University Theatre</i> |
| RIX N. YARD, B.S., M.S. | <i>Director of Athletics</i> |
| COLONEL PAUL C. KIEFER, B.S., M.A. | AFROTC |
| MAJOR HARRY E. HAYS, B.Ed. | AFROTC |

STUDENTS SERVICES' STAFF

DEANS OF STUDENTS

| | |
|--------------------------------------|----------------------------------|
| FRANCIS C. BAYLEY, A.B., B.D., Ph.D. | <i>Dean of Men</i> |
| CAROLYN LICHTENSTEIN | <i>Secretary</i> |
| LEONA WISE JONES, B.S., M.A., Ph.D. | <i>Dean of Women</i> |
| MILDRED W. HEINRICH, A.B. | <i>Activities' Administrator</i> |
| THEODOSIA N. WESTLAKE, A.B. | <i>Records' Secretary</i> |

WILLIAM HOWARD DOANE LIBRARY

| | |
|--|--------------------------------------|
| LOIS E. ENGLEMAN, B.A., B.S. in L.S., M.S. | <i>Librarian</i> |
| MARY RUTH B. GROGAN, A.B., B.S. in L.S. | <i>Assistant Librarian</i> |
| JANE C. SECOR, A.B., B.S. in L.S. | <i>Reference Librarian</i> |
| PAULINE HOOVER, B.A., B.S. in L.S. | <i>Catalog Librarian</i> |
| MARY L. DORR, A.B., B.S. in L.S. | <i>Assistant Catalog Librarian</i> |
| JOSEPHINE P. MOSS, A.B., B.S. in L.S. | <i>Assistant Reference Librarian</i> |
| PATRICIA F. HUNTER | <i>Circulation Assistant</i> |
| JANE B. GORDON, B.A. | <i>General Assistant</i> |
| BETTY WILLETT, Ph.B. | <i>Assistant</i> |
| HELEN M. WRIGHT, Litt.B. | <i>Assistant</i> |

VOCATIONAL AND PLACEMENT SERVICES

| | |
|-------------------------------------|--|
| MARK W. SMITH, B.A., M.A., Ph.D. | <i>Director of Vocational Services</i> |
| LEONA W. NICHOL | <i>Secretary</i> |
| ROBERT S. CARTER, B.S., M.S., Ph.D. | <i>Director of Teacher Placement</i> |
| MARGARET BEAN | <i>Secretary</i> |

CHRISTIAN EMPHASIS PROGRAM

| | |
|---|-----------------------------|
| CURTIS W. R. LARSON, B.A., B.D., Ph.D. | <i>Supervising Director</i> |
| CLEVELAND J. BRADNER, JR., B.A., B.D., M.A. | <i>Executive Director</i> |
| JOYCE F. FERNS | <i>Secretary</i> |

WHISLER MEMORIAL HOSPITAL

| | |
|--------------------------------|--|
| LAWRENCE H. MILLER, A.B., M.D. | <i>Director of Student Health Services</i> |
| MARY L. EARHART, R.N. | <i>Supervising Nurse</i> |
| HILDA KNELLER, R.N. | <i>Assistant Nurse</i> |
| MARGUERITE HAAS, R.N. | <i>Staff Nurse</i> |

DINING HALL AND RESIDENTIAL STAFFS

| | |
|------------------------------|--|
| MRS. HELEN B. CHRYSLER | <i>Director of Food Service</i> |
| MISS GERTRUDE TANKERSLEY | <i>Manager, Colwell House</i> |
| MRS. HELEN K. MOSTELLER | <i>Manager, Curtis Hall</i> |
| MRS. MOLLIE B. ABER | <i>Manager, Shepardson Commons</i> |
| MRS. CLYDE ABLES | <i>Manager, Student Union</i> |
| MRS. RUTH ROLT-WHEELER, A.B. | <i>Director of Residence Hall Services</i> |

HEAD RESIDENTS—WOMEN'S RESIDENCE HALLS

MRS. E. C. WATERS, A.B., B.S.Ed., *Monomoy*
 MRS. MARGARET T. MILLER, B.A., *Sawyer*
 MRS. L. E. BOGGS, *King*
 MRS. EARLE W. McMULLEN, *Shaw*
 MRS. GEORGE M. WETMORE, *Beaver*
 MRS. GERTRUDE PHILLIPS, *Parsons*
 MRS. DON C. WHEATON, *Burton*
 MRS. M. E. WELLS, *Deeds*
 MRS. W. OWEN DAVIS, *Stone*

HEAD RESIDENTS—MEN'S RESIDENCE HALLS

MR. AND MRS. PRESSLEY C. MCCOY, *Curtis*
 MR. AND MRS. NORMAND W. GREEN, *Smith*

STUDENT ENROLLMENT 1953-54

(Ohio unless otherwise indicated)

*Enrolled in Washington Semester Plan at American University.

A

Anbye, Dianne, Fr. Indianapolis, Ind.
 Anbye, Nancy, Sr. Indianapolis, Ind.
 Abboud, Monna, Fr. Toledo
 Abell, David, So. Montevideo, Uruguay
 Abernethy, Elizabeth, Jr. Lakewood
 Abrahamson, Betsy, So. Naperville, Ill.
 Ackerman, Cynthia, So. Mansfield
 Ackley, Timothy, So. Blacklick
 Acree, Laura, So. Louisville, Ky.
 Adams, John, So. Richmond, Va.
 Adamson, Jacquelyn, Fr. Dayton
 Adamson, Joanne, Jr. Dayton
 Adkins, Charles, Fr. Coldwater
 Akin, Rosemary, Sr. Lancaster
 Albershart, Claire, So. Fort Thomas, Ky.
 Alexander, Suzanne, Fr. Rocky River
 Allen, Bonnie, So. Evanston, Ill.
 Althaus, Mary, Fr. Shaker Heights
 Ambler, Kjell, Sr. Oslo, Norway
 Amerman, Frank, So. Detroit, Mich.
 Ames, Priscilla, So. Oak Park, Ill.
 Amidon, Charles, Fr. Conneaut
 Amos, Harriet-ann, So. Lakewood
 Anderson, J. Bradley, Jr. Rockford, Ill.
 Anderson, Judith, So. Shaker Heights
 Anderson, Margaret, Jr. Larchmont, N. Y.
 Annoh-Opresem, Richard, Jr. Accra, Gold Coast, Brit. W. Africa
 Anthony, Barbara, Jr. Lakewood
 Aphorp, Barney, Jr. East Cleveland
 Armacost, Peter, Fr. Redlands, Calif.
 Armbricht, Jerry, Fr. Youngstown
 Arnold, James, Jr. Wilmette, Ill.
 Ashbrook, Charles, Sr. Granville
 Athey, Frank, So. Milwaukee, Wis.
 Atwater, David, Jr. Bronxville, N. Y.
 Austin, Winifred, Fr. Newark
 Averill, Jack, So. Maywood, Ill.

B

Bach, Audrey, Jr. Toledo
 Backhaus, Robert, Fr. Cleveland Heights
 Baker, Ann, Sr. Sharon, Pa.
 Baker, Arthur, Fr. Ridley Park, Pa.
 Baker, Marilyn (Graham), Sr. Granville
 Baker, Mary Esther, Fr. Canton
 Baker, Newton D., Fr. Cleveland
 Baldwin, Cynthia, Fr. Washington, D. C.
 Balph, Patricia, Fr. Lexington
 Banbury, Thomas, Sr. Danville
 Banker, Margaret, Fr. Wilmette, Ill.
 Banta, Bruce, Jr. Highland Park, Mich.
 Barber, Nancy, Jr. Oak Park, Ill.
 Barbier, Ruth, So. Springfield, Vt.
 Barbieri, Richard, Fr. Painesville
 Bargar, Barbara, So. Youngstown
 Barnes, David, Sr. Madison, Wis.
 Barnett, Sandra, So. Mansfield
 Barr, Carole, Fr. Allentown, Pa.
 Barrett, Marvin, Fr. Wilmington
 Barringer, Donald, Sr. Cleveland
 Barringer, William, So. Cleveland

Barth, James, Sr. Brecksville
 Bartlett, Gloria (Kuechenberg), Jr. Granville
 Bartlett, Jackson, Sr. Reynoldsburg
 Barton, Margaret, So. La Grange, Ill.
 Barton, Nancy, Jr. Lima
 Bassler, Robert, Sr. Toledo
 Bates, Judith, So. University Heights
 Bates, Elaine, So. Zanesville
 Bates, Susan, Fr. Meadville, Pa.
 Bauer, Karen, So. Troy, N. Y.
 Baehof, Barbara, Jr. Shaker Heights
 Bauman, Bruce, Sr. Lakewood
 Bauman, Constance, Fr. South Euclid
 Baumes, Hudson, Jr. Cincinnati
 Baumgartner, David, Sr. East Cleveland
 Baumgartner, Richard, Sr. East Cleveland
 Bayley, David, Jr. Granville
 Beardshear, Edward, Fr. Newark
 Beardshear, Emily, Jr. Newark
 Beardsley, Betty, Sr. Birmingham, Mich.
 Beaver, Frances, So. Marietta
 Beck, Jay, So. Eggertsville, N. Y.
 Beck, Richard, Fr. Charleston, W. Va.
 Becker, Nancy, Fr. Evanston, Ill.
 Beckman, John, So. Newark
 Beckner, Ann, So. York, Pa.
 Beglen, Lois, Jr. Cincinnati
 Beglen, Michael, Sr. Cincinnati
 Beglen, Roger, Fr. Cincinnati
 Belfield, Nancy, Fr. Wynnewood, Pa.
 Bell, Charles, Jr. Cleveland Heights
 Bell, Judith, Sr. Wenham, Mass.
 Bell, Marcia, Jr. Watsela, Ill.
 Bell, Mary, Jr. Hinsdale, Ill.
 Belser, Martin, Fr. Ann Arbor, Mich.
 Belskie, Victor, Fr. Closter, N. J.
 Belt, Susan, So. Toledo
 Benjamin, Diane, Jr. East Cleveland
 Bergman, Kent, Fr. Snyder, N. Y.
 Berlin, Allison, So. Coraopolis, Pa.
 Bernard, Thomas, Sr. Maplewood, N. J.
 Berry, Earl, So. Michigan City, Ind.
 Berry, Pamela, Fr. Fort Thomas, Ky.
 Berthoff, Anne, So. Troy, N. Y.
 Beyer, John, Sr. Teaneck, N. J.
 Bibler, Darrel, Fr. Bucyrus
 Bidwell, Charlotte, Fr. Simsbury, Conn.
 Billett, David, So. Lyndhurst
 Billingsley, Robert, Jr. Pittsburgh, Pa.
 Bird, Emily, Sr. Medina
 Bireley, Michael, Fr. Washington C. H.
 Bloor, Collin, Jr. Sandusky
 Blunk, Theodore, Jr. Cumberland, Md.
 Bogardus, Edna, Sr. Mount Vernon
 Boltz, Audrey, So. Waukegan, Ill.
 Boon, Edgar, Sr. Oak Harbor
 Booth, Barbara, Sr. Carbondale, Pa.
 Borger, Howard, Sr. Clarksburg, W. Va.
 Bosler, Theodore, So. Indianapolis, Ind.
 Boswau, Herbert, Jr. Dundee, Ill.
 Botsford, Jane, Fr. Grosse Pointe, Mich.
 Bowen, William, Jr. Wyoming
 Bower, Gertrude, Fr. Trumansburg, N. Y.

Bower, Harry, Fr. -----Shaker Heights
 Bowman, Arthur, So. -----Cincinnati
 Bowman, James, Jr. -----Strongsville
 Boyce, Carol, So. -----Chester, W. Va.
 Boyer, Susan, Sr. -----Coshocton
 Brady, Philip, Fr. -----Shaker Heights
 Brand, John, Fr. -----Toledo
 Brandt, Patricia, Fr. -----Bethlehem, Pa.
 Braun, Sandra, Fr. -----Pittsburgh, Pa.
 Brawley, Robert, Fr. -----Lewisburg
 Breidert, Edith, Fr. -----Evanston, Ill.
 Bricker, Elizabeth, Sr. -----Shaker Heights
 Brickman, Charles, Sr. -----Chicago, Ill.
 Brickman, Jane, Fr. -----Chicago, Ill.
 Bridgeman, Elliot, Fr. -----Maplewood, N. J.
 Bridges, Roberta, So. -----Newfane, N. Y.
 Briggs, Richard, Jr. -----Columbus
 Bright, Bonnie, Sr. -----Detroit, Mich.
 Bringard, Jerry, Fr. -----Detroit, Mich.
 Bringard, Thomas, So. -----Detroit, Mich.
 Brittain, Anne, Sr. -----Hinsdale, Ill.
 Broadhurst, Allan, Sr. -----Bethesda, Md.
 Brodhead, Florence, Fr. -----Cincinnati
 Brodt, Paul, Fr. -----Elmhurst, Ill.
 Broock, Bowen, Fr. -----Bloomfield Hills, Mich.
 Brooks, Martha, Jr. -----Chevy Chase, Md.
 Brophy, James, So. -----St. Clair Shores, Mich.
 Brophy, Thomas, Sr. -----St. Clair Shores, Mich.
 Brown, Jacqueline, Sr. -----McKeesport, Pa.
 Brown, Judith, Fr. -----McConnellsville
 Brown, Roland, Sr. -----Chicago, Ill.
 Brown, Thomas, Sr. -----Youngstown
 Bruce, Jo Anne, Jr. -----Mansfield
 Brumbaugh, Elsa, So. -----Mentor
 Bryan, Nancy, Fr. -----Shaker Heights
 Buch, Ronald, Fr. -----Chicago, Ill.
 Buchanan, Gail, So. -----Winnetka, Ill.
 Buck, Daniel, Sr. -----Columbus
 Buckles, Judith, So. -----Kankakee, Ill.
 Burcher, Joe, Sr. -----Newark
 Burger, Barbara, Fr. -----Evanston, Ill.
 Burgess, Robert, Sr. -----Shrewsbury, Mass.
 Burke, Janet, Fr. -----Penfield, N. Y.
 Burkhart, Carol, So. -----Findlay
 Burrer, Fred, Sr. -----Cincinnati
 Burrows, Joan, Fr. -----Wheaton, Ill.
 Burton, Jenn, So. -----Flushing, N. Y.
 Buttler, Gail, So. -----Haddonfield, N. J.

C

Cairns, Barbara, So. -----Anchorage, Ky.
 Calhoun, David, So. -----Evanston, Ill.
 Cameron, Janet, So. -----Pittsburgh, Pa.
 Campbell, Douglas, Fr. -----Chagrin Falls
 Campbell, Sally, Fr. -----Canton
 Carlberg, Carol (Toussaint), Sr. -----Greeley, Colo.
 Carleton, Jane, Jr. -----Rochester, N. Y.
 Carlo, Paul, Fr. -----Ashtabula
 Carlough, Nancy, Fr. -----Ramsey, N. J.
 Carlson, John, Jr. -----Yellow Springs
 Carnahan, David, Fr. -----Jamestown, N. Y.
 Carpenter, James, Sr. -----Circleville
 Carr, Andrew, Fr. -----Dighton, Mass.
 Carr, Burchard, Fr. -----Indianapolis, Ind.
 Carr, Irvin, Sr. -----Dighton, Mass.
 Carr, Natalie, So. -----Mansfield
 Carran, Archie, Sr. -----South Fort Mitchell, Ky.

Carroll, Robert, Fr. -----Toledo
 Carse, David, So. -----Racine, Wis.
 Carter, Susan, Jr. -----Rochester, N. Y.
 Cartland, Dorothy, So. -----Kalamazoo, Mich.
 Carver, Joan, Fr. -----Grosse Pointe, Mich.
 Cash, Robert, Sr. -----Hebron
 Chacos, Helen, Fr. -----Coshocton
 Chadwick, Elizabeth, So. -----Lakewood
 Chain, John, So. -----Chardon
 Chamberlin, John, Fr. -----East Palestine
 Chang, Walter, Jr. -----Taipei, Formosa, China
 Chapman, Ann Leslie, So. -----Evanston, Ill.
 Chappell, Joan, So. -----Eggertsville, N. Y.
 Chestnut, Joseph, So. -----Columbus
 Childs, James, Fr. -----Toledo
 Churchill, Stephen, Fr. -----Kenton
 Clark, Sally, So. -----Wellsville, N. Y.
 Clark, Thomas, Jr. -----Shaker Heights
 Clarke, Kenneth, Jr. -----Oak Park, Ill.
 Clarke, Marjorie, Sr. -----Dayton
 Cleary, Thomas, So. -----Milwaukee, Wis.
 Clements, Douglas, Fr. -----Alplaus, N. Y.
 Click, James, Fr. -----Springfield
 Clifford, Robert, Fr. -----Cleveland Heights
 Glasold, June, Jr. -----Wilmette, Ill.
 Cobbett, Nancy, Jr. -----Milton, Mass.
 Coburn, Kendall, Fr. -----Mill Valley, Calif.
 Cochran, Joan, Jr. -----Springfield
 Cofer, Joe, So. -----Waverly
 Colahan, Roger, Fr. -----New York, N. Y.
 Collier, Rhea, So. -----Chagrin Falls
 Collins, Carole, Fr. -----Plainfield, N. J.
 Colwell, Anne, Fr. -----Champaign, Ill.
 Colwell, Douglas, Fr. -----Birmingham, Mich.
 Comstock, Susan, Fr. -----Cincinnati
 Conroy, Mary Lou, Fr. -----York, Pa.
 Conway, Kenneth, So. -----Norwalk
 Cook, James, So. -----Ashville
 Cook, Jane, So. -----Franklin, Mich.
 Cook, Michael, Jr. -----Glendale
 Cooke, James, Fr. -----Pittsburgh, Pa.
 Cope, James, Jr. -----Nelsonville
 Corbett, Frances, Fr. -----Westfield, N. J.
 Corcoran, Jean, Jr. -----Cuyahoga Falls
 Cordes, John, So. -----Cincinnati
 Cornell, William, So. -----Gates Mills
 Corrie, Bruce, Fr. -----West Hempstead, N. Y.
 Cottrell, Carol, Fr. -----Lawrenceville, N. J.
 Coulter, Betsy, Jr. -----Pittsburgh, Pa.
 Cox, James, Fr. -----Lakewood
 Cox, Kenneth, So. -----Montpelier
 Cramer, Alan, Sr. -----Chagrin Falls
 Cramer, Peyton, Fr. -----Cincinnati
 Crane, Mary, Jr. -----Pontiac, Mich.
 Crawford, Helen, Sr. -----Erie, Pa.
 Creel, Ann, Sr. -----Cleveland
 Criger, Janet, Fr. -----Columbus
 Crislip, Terrance, So. -----Akron
 Crowe, Richard, Sr. -----Chagrin Falls
 Crull, Joan, Fr. -----Geneva, Ill.
 Curran, Christopher, So. -----Chicago, Ill.
 Curry, Carolyn, So. -----Homer, Mich.
 Curry, Charles, Sr. -----Homer, Mich.
 Curry, Frederic, Sr. -----Pittsburgh, Pa.
 Curtis, Barbara, Jr. -----Ardmore, Pa.
 Curtis, Mary Sue, Jr. -----Canton
 Curtis, Nancy Lou, Fr. -----Lyndhurst
 Curtis, Virginia, Jr. -----Ardmore, Pa.
 Cushing, Richard, Jr. -----Niagara Falls, N. Y.

D

| | |
|-------------------------|---------------------------------|
| Damron, John, Jr. | Mansfield |
| Darrah, Richard, So. | Shaker Heights |
| Davison, Dorothy, Sr. | Bay City, Mich. |
| Davis, Carol, So. | Sewickley, Pa. |
| Davis, Thomas, So. | North Middletown, Ky. |
| Davison, Matthew, So. | Flint, Mich. |
| Dawson, Ann, Fr. | Winnetka, Ill. |
| Deane, Peter, Fr. | Painesville |
| Decker, Mary, So. | Bedford |
| Deeds, Andrew, Jr. | Farmington, Conn. |
| Degnan, James, Jr. | Grosse Pointe Park, Mich. |
| DeJong, Donald, Sr. | Springfield |
| de Laval, Ann, Fr. | Pittsburgh, Pa. |
| Delicate, Ann, So. | Edwardsville, Ill. |
| Dennett, Dorothy, Sr. | Evanston, Ill. |
| Deppner, John, Fr. | Miamiaburg |
| Deupree, Thesa, So. | Chicago, Ill. |
| DeVerna, Carol Lee, Sr. | Metamora |
| Dick, Carolyn, So. | Leipsic |
| Dickinson, Carl, Fr. | Pittsburgh, Pa. |
| Dicus, Sandra, Jr. | Evanston, Ill. |
| Dillard, Gordon, So. | Pittsfield, Mass. |
| DiRosa, Diane, Sr. | Cleveland |
| Dierens, Robert, Sr. | Cincinnati |
| Dodge, Evelyn, Fr. | Lenoir, N. C. |
| Dodson, Theron, Jr. | Cambridge |
| Doherty, Lynn, Fr. | Swarthmore, Pa. |
| Dolan, James, Sr. | Jamestown, N. Y. |
| Dold, John, So. | Wilmette, Ill. |
| Donithen, Joe, Fr. | Marion |
| Donley, James, So. | Shaker Heights |
| Donovan, Dennis, So. | Rochester, N. Y. |
| Donovan, Francis, Fr. | Peterborough, N. H. |
| Doswell, Donald, Jr. | Decatur, Ill. |
| Douda, Bonnie, So. | Willoughby |
| Douglass, Arthur, Fr. | Lexington, Mass. |
| Downer, Marilyn, Fr. | Saginaw, Mich. |
| Drake, Douglas, Fr. | Anderson, Ind. |
| Drake, Mary, Jr. | Birmingham, Mich. |
| Dreier, Mary, Jr. | Westfield, N. J. |
| Droba, Janet, Jr. | Glencoe, Ill. |
| Drury, Dianne, Fr. | Gouverneur, N. Y. |
| Ducro, Peter, Sr. | Ashtabula |
| Duffy, Dolores, So. | Port Clinton |
| Duncan, Jean, Jr. | Hamburg, N. Y. |
| Dunn, Ann, So. | Shaker Heights |
| Dunn, George, Jr. | Short Hills, N. J. |
| Dunn, Richard, Jr. | Bay Village |
| Durham, Sarah, So. | Cincinnati |

E

| | |
|--------------------------|--------------------------|
| Eakin, Thomas, So. | Shaker Heights |
| Earle, Virginia, Sr. | Cedar Grove, N. J. |
| Easterday, Jack, Sr. | Shaker Heights |
| Eaton, Elinor, Fr. | Fairview Park |
| Eaton, Jeannine, Fr. | Lima |
| Eaton, Margaret, Jr. | Cleveland |
| Eaton, Shirley, Fr. | Hatboro, Pa. |
| Eberbach, Elisabeth, So. | Milwaukee, Wis. |
| Edelmann, Fred, Fr. | Waverly |
| Edwards, Mary Lee, Jr. | Snyder, N. Y. |
| Edwards, Phyllis, Fr. | Fort Thomas, Ky. |
| Ehrenman, Herbert, So. | Trenton |
| Ehrle, Brian, Fr. | Detroit, Mich. |
| Ekberg, Carol, So. | Cranston, R. I. |
| Elliott, Ann, Sr. | Cincinnati |
| Ellis, Anita, Fr. | Wilmette, Ill. |

| | |
|--------------------------|---------------------------|
| Emanuelson, John, Fr. | Columbus |
| Emmett, June, So. | Mariemont |
| Engbers, Marcia, So. | Grand Rapids, Mich. |
| Engelhart, Katy Lou, Sr. | Shaker Heights |
| Erb, Jane, Fr. | Columbus |
| Erck, Franklin, Fr. | Youngstown |
| Erickson, Pamela, Sr. | Pelham, N. Y. |
| Erikson, David, Jr. | Pittsburgh, Pa. |
| Ernst, Herbert, So. | Piqua |
| Eshelman, Nancy, Sr. | Circleville |
| Eshelman, Sally, Fr. | Circleville |
| Easinger, Sandra, So. | Rossford |
| Evans, Patricia, Sr. | Shaker Heights |
| Evans, Sarah, Fr. | Cleveland Heights |
| Exman, Wallace, Sr. | Scarsdale, N. Y. |

F

| | |
|--------------------------|--------------------------------------|
| Fackler, Carol, Fr. | Garden City, N. Y. |
| Fader, Dorothy, So. | South Orange, N. J. |
| Fairechild, Larry, Fr. | Lancaster |
| Faleh, Sally, So. | Brecksville |
| Falter, Ann, Sr. | Portsmouth |
| Farnsworth, Martha, Fr. | San Antonio, Tex. |
| Faxon, Harriett, Sr. | Lakewood |
| Feld, Jack, Sr. | Weehawken, N. J. |
| Feld, Robert, So. | Weehawken, N. J. |
| Fellman, William, So. | Milwaukee, Wis. |
| Fellows, John, Jr. | Flint, Mich. |
| Ferna, James, Jr. | Mariemont |
| Fernyak, John, Jr. | Mansfield |
| Fieldier, Helen, So. | Sharon, Pa. |
| Findley, William, Fr. | Toledo |
| Finley, Ann, Fr. | Zanesville |
| Finn, Carole, Fr. | Cincinnati |
| Flacher, Ann, Jr. | Cincinnati |
| Flacher, Charles, Fr. | Wyoming |
| Fischer, Jane, Sr. | Cincinnati |
| Fisher, Susan, Fr. | Madison, Wis. |
| Fitz, Lynn, So. | Zanesville |
| Flanders, Betty, Fr. | Meriden, Conn. |
| Florez, Gerard, Fr. | Birmingham, Mich. |
| Foot, Anne, So. | Akron |
| Forbes, Janet, Fr. | Royal Oak, Mich. |
| Ford, Richard, Fr. | Scarsdale, N. Y. |
| Ford, William, Fr. | Lancaster |
| Fordyce, William, So. | Lakewood |
| Forsey, Gary, Fr. | St. John's, Newfoundland, Can. |
| Forsythe, Elizabeth, Fr. | Swarthmore, Pa. |
| Fosdick, William, So. | Wilmette, Ill. |
| Foster, Hugh, Sr. | Toledo |
| Frame, Arthur, Sr. | Granville |
| Frame, Jane (Thuma), Sr. | Granville |
| Francis, Maryann, Sr. | Granville |
| Freed, Jean, Fr. | Fairview Park |
| Freer, Thompson, Sr. | Shaker Heights |
| Frenzel, Jolynn, Fr. | Chicago, Ill. |
| Fritz, Anne, Fr. | Anchorage, Ky. |
| Fruth, Mary, Jr. | Fostoria |
| Fullmer, Arthur, So. | Rocky River |
| Punk, Martha, Jr. | Louisville, Ky. |

G

| | |
|-----------------------|-------------------------|
| Gaenslen, Eugene, So. | Wilmette, Ill. |
| Gallup, Richard, Jr. | Plainfield, Conn. |
| Gardner, Hugh, So. | Cleveland Heights |
| Garrett, George, Sr. | Youngstown |
| Garrod, Phyllis, Jr. | Hackensack, N. J. |

Gaskill, Robert, Fr. Snyder, N. Y.
 Gaskill, Sally, So. Swarthmore, Pa.
 Geigerich, Sally, Fr. Highland Park, Ill.
 Geis, Ruth, So. Youngstown
 George, Doris, So. Great Neck, N. Y.
 George, Gilyan, Jr. Buffalo, N. Y.
 George, Richard, So. Ridgewood, N. J.
 George, Thomas, Fr. Glen Ellyn, Ill.
 Germer, Harold, Fr. Massillon
 Getgey, John, Jr. Cincinnati
 Geyer, Jane, Jr. Piqua
 Gibbs, Arthur, So. Canton
 Gibbs, Katherine, Jr. Westfield, N. J.
 Gibson, Ann, Fr. Pittsburgh, Pa.
 Gibson, Barbara, So. Piqua
 Gibson, Dale, Fr. South Bend, Ind.
 Gieringer, Gary, Fr. Dayton
 Gifford, Patricia, So. Galena
 Gibb, Dale, So. Grand Rapids, Mich.
 Gilbert, Bruce, So. Glen Ellyn, Ill.
 Gilbert, Gerald, Jr. Royal Oak, Mich.
 Giles, William, So. Cincinnati
 Gill, Donald, Fr. Kalamazoo, Mich.
 Gillespie, Mary Sue, Fr. Waban, Mass.
 Glen, Kenneth, Jr. Detroit, Mich.
 Goddard, Catherine, So. Pittsburgh, Pa.
 Goldberg, Howard, Fr. West Englewood, N. J.
 Goodell, Susan, Jr. Louisville, Ky.
 Goodman, Audrey, Sr. Lake Hiawatha, N. J.
 Goodwin, William, Sr. Wenona, Ill.
 Gorder, Suzanna, Fr. Indianapolis, Ind.
 Gordon, Bruce, So. Salem
 Gordon, Janet, Jr. Granville
 Grace, John, Jr. Norwood
 Grafton, Elizabeth, So. Detroit, Mich.
 Granfield, Helen, So. Sandusky
 Grant, Roderick, Fr. River Forest, Ill.
 Greenlee, Margaret, Jr. La Grange, Ill.
 Gregg, Judith, Fr. Arlington Heights, Ill.
 Gregory, Mary Lou, Jr. Birmingham, Mich.
 Griffiths, Joyce, Fr. Hudson
 Griley, Michael, Fr. Lancaster
 Guidotti, Vincent, So. Cleveland
 Guyer, Susan, Jr. Erie, Pa.

H

Hadley, Sue, Fr. La Grange, Ill.
 Hales, Lynn, So. Winnetka, Ill.
 Hall, Richard, So. Cleveland Heights
 Hall, Roberts, Fr. Ashtabula
 Halloran, Jay, So. Short Hills, N. J.
 Halsey, Joan, Fr. Scarsdale, N. Y.
 Halteman, David, Fr. Tipp City
 Hamilton, Lowell, Fr. Mansfield
 Hamilton, Patricia, Sr. Columbus
 Hammelbacher, Heidi, Fr. Stuttgart, Germany
 Hampton, Anne, Fr. Berea
 Handy, Amy, So. East Orange, N. J.
 Hanselman, Lynn, Sr. Cincinnati
 Hardesty, Hunter, Fr. Zanesville
 Harmon, Carol, Jr. South Euclid
 Harper, Richard, So. Pittsburgh, Pa.
 Harroff, Robert, Sr. Shaker Heights
 Harsa, Richard, Fr. Chagrin Falls
 Hartman, Carol, Sr. Pittsburgh, Pa.
 Hartshorn, Sandra, Fr. Wayne, Pa.
 Hatley, Shirley, Fr. Muncie, Ind.
 Hauman, Robert, Fr. Toledo
 Hauser, Jean, Fr. Cincinnati
 Hauser, Juliana, Fr. Detroit, Mich.
 Hawley, Thomas, So. Birmingham, Mich.
 Hay, Nancy, Fr. Wilmette, Ill.
 Hayes, Thomas, Fr. Shaker Heights
 Haynes, Helen, Jr. East Liberty
 Haynes, William, So. Pittsburgh, Pa.
 Hazlett, Ann, Jr. Glenside, Pa.
 Hazzard, Barbara, Fr. Pelham, N. Y.
 Heaman, John, Jr. Evanston, Ill.
 Hearn, Marilyn, Jr. Youngstown
 Heaslett, Jacquelyn, Jr. Sewickley, Pa.
 Heath, Jane, Fr. Harrisburg, Pa.
 Heath, Virginia, Fr. Buffalo, N. Y.
 Hebard, John, So. Salem, Mass.
 Hedlund, Reuben, So. Chicago, Ill.
 Heidkamp, Diane, Fr. Lakewood
 Heiser, William, So. Winnetka, Ill.
 Heisey, George, So. Newark
 Heilmann, Cary, Fr. Kenilworth, Ill.
 Helmerichs, Carol, Jr. East Cleveland
 Henderson, Patricia, Fr. Coshocton
 Hendricks, Thomas, Jr. Brookville
 Hendrickson, Willis, So. Pittsburgh, Pa.
 Henley, Sara, So. Massillon
 Henry, Sallyann, Fr. Darien, Conn.
 Hess, Lawrence, Fr. University Heights
 Hess, Margery, So. Bath
 Heventhal, Charles, Sr. Haddonfield, N. J.
 Hibner, Shelia, Fr. York, Pa.
 Hill, David, So. Farmington, Conn.
 Hill, James, Fr. Erie, Pa.
 Hill, Suzanne, So. Wellington
 Hill, William, Sr. Bangor, Me.
 Hillenbrand, Ray, So. Batesville, Ind.
 Hinkel, John, Fr. Pittsburgh, Pa.
 Hittson, Beverly, Sr. Columbus
 Hobart, Charles, Sr. Troy
 Hodge, Beth, So. Elkhart, Ind.
 Hodges, John S., Jr. Wellesley, Mass.
 Hodgson, Jane, Fr. Hillsdale, Mich.
 Hoepfner, Margaret, Jr. Chicago, Ill.
 Hoepfner, Priscilla, Sr. Chicago, Ill.
 Hoffman, Carol, So. Columbus
 Hoh, Paul, Jr. Lancaster, Pa.
 Holliday, Helen, Jr. Normal, Ill.
 Hollingshead, Nancy, Fr. Sharon, Pa.
 Holloway, Bruce, Fr. Bucyrus
 Holman, Jean, Jr. Swarthmore, Pa.
 Hood, Carol, Fr. Newton, Mass.
 Hooker, Ronald, Fr. Columbus
 Hooper, Thomas, Fr. Wyandotte, Mich.
 Hoot, Henry, Fr. Swarthmore, Pa.
 Hoover, Dean, Fr. Youngstown
 Hoover, Susan, Fr. Dayton
 Hope, Beverly, Sr. White Plains, N. Y.
 Hopkins, Robert, Jr. Coshocton
 Horne, Susan, Jr. Penfield, N. Y.
 Hostetler, Diane, Jr. Brecksville
 Hotelling, Richard, Sr. Palo Alto, Calif.
 Howard, Lee, So. Park Ridge, Ill.
 Howard, Robert, Fr. Youngstown
 Howe, Nancy, Sr. Birmingham, Mich.
 Howell, John, So. Gates Mills
 Hoxby, Derek, Sr. Cincinnati
 Hubbard, James, So. Chagrin Falls

Hudson, Norma, So. ---Birmingham, Mich.
 Hughes, William, Sr. ---Toledo
 Hundley, Rhodes, Jr. ---Detroit, Mich.
 Hunt, Nansanna, Jr. ---Glendale, Calif.
 Hunting, John, Sr. ---Grand Rapids, Mich.
 Huntington, Ann, Jr. ---Akron
 Hutchins, Louise, Fr. ---
 ---Grosse Pointe, Mich.
 Hutte, Shireen, Fr. ---Syracuse, N. Y.
 Hutzler, Helenela, Sr. ---Wyoming

I

Inboden, Scott, Sr. ---Columbus
 Ingraham, Mary Ann, Jr. ---Poland
 Ingram, Barbara, Jr. ---Lakeside
 Inman, John, Sr. ---Michigan City, Ind.
 Ison, Margaret, Jr. ---Leesburg
 Ivins, Elizabeth, Fr. ---Milwaukee, Wis.

J

Jacobs, Bailey, So. ---Short Hills, N. J.
 Jacobs, Edward, Sr. ---Coshocton
 Jacobs, Patricia, Fr. ---Snider, N. Y.
 James, Douglas, So. ---Toledo
 James, Kenneth, Fr. ---
 ---Turramurra, N.S.W., Australia
 James, Thomas, Fr. ---Dayton
 Jeffries, Thomas, Jr. ---
 ---Grosse Pointe, Mich.
 Jenkins, Janet, So. ---North Bend
 Jin, Rong-sheng, Fr. ---
 ---Taipei, Taiwan, China
 Jochens, Carl, Sr. ---Chicago, Ill.
 Johnson, David L., Fr. ---Scarsdale, N. Y.
 Johnson, Evelyn, So. ---Ho-Ho-Kus, N. J.
 Johnson, Kay, So. ---Shaker Heights
 Johnson, Kenneth, Sr. ---Granville
 Johnson, Nancy, So. ---Cleveland Heights
 Johnson, Robert, So. ---Charlotte, Mich.
 Johnson, Shirley, Sr. ---Shaker Heights
 Johnson, Susan, Fr. ---Indianapolis, Ind.
 Johnsonbaugh, Roger, So. ---Defiance
 Johnston, Eileen, Fr. ---Lockport, N. Y.
 Johnston, Jeanette, Fr. ---Celina
 Jones, Barbara, So. ---Springfield
 Jones, Carol Ann, Fr. ---Detroit, Mich.
 Jones, Carolyn, Sr. ---Ridgewood, N. J.
 Jones, David B., Fr. ---Medina
 Jones, David L., So. ---Cleveland Heights
 Jones, Marilyn, So. ---Middletown
 Jones, Richard, So. ---Miami Beach, Fla.
 Jones, Robert, Sr. ---Dayton
 Jones, William, So. ---
 ---Grosse Pointe, Mich.
 Jordan, Gerald, So. ---Mt. Vernon, Ill.
 Judy, Frederick, Jr. ---Scarsdale, N. Y.

K

Kahlenberg, Karl, Jr. ---Two Rivers, Wis.
 Kalbfleisch, James, So. ---
 ---Grosse Pointe, Mich.
 Kase, Janice, Jr. ---Toledo
 Kelley, Robert, Jr. ---Hubbard
 Kelly, Sylvia, Fr. ---Dayton
 Kempton, John, Sr. ---Toledo
 Kennelly, Jane, So. ---Elyria
 Kenney, Edward, Fr. ---
 ---New Rochelle, N. Y.

Kenower, John, Fr. ---Kansas City, Mo.
 Kenrick, Mary, Jr. ---Birmingham, Mich.
 Kent, Robert, Fr. ---Granville
 Ker, Severn, So. ---Youngstown
 Kerns, Robert, So. ---Newark
 Kerr, Mary, Fr. ---Indiana, Pa.
 Kershner, Bruce, Sr. ---Akron
 Ketcham, Carol, So. ---Evanston, Ill.
 Keys, Noel, So. ---Berkeley, Calif.
 Kindig, Eleanor, Jr. ---York, Pa.
 King, Jane, Jr. ---East St. Louis, Ill.
 King, Jennifer, Fr. ---Walled Lake, Mich.
 King, Richard E., Fr. ---Youngstown
 King, Robert E., Fr. ---Beverly, Ill.
 Kinnan, Constance, So. ---Columbus
 Kiracofe, Mary Fan, Fr. ---
 ---Fort Wayne, Ind.

Kirkpatrick, Alice, Fr. ---Chevy Chase, Md.
 Kirshman, Betsy, So. ---Montclair, N. J.
 Kirsten, Jeanne, Sr. ---Cincinnati
 Kittridge, Beatrice, Fr. ---Millersville, Pa.
 Klein, George, Fr. ---Willoughby
 Klenk, William, So. ---Grosse Pointe, Mich.
 Kipple, Martha, Fr. ---Marietta
 Knapp, Charles, So. ---Zanesville
 Knapp, Frances, Fr. ---Marion
 Knapp, Susan, So. ---Granville
 Knecht, Jane, So. ---Warren
 Koelb, Mary, So. ---Washington, D. C.
 Konold, Katherine, Jr. ---Indianapolis, Ind.
 Kormendy, Carol, Jr. ---Rocky River
 Korol, Michael, So. ---Rochester, N. Y.
 Kramer, David, Jr. ---Lakewood
 Kriekhaus, Janice, Sr. ---Columbus
 Krippel, Jerome, Fr. ---Scarsdale, N. Y.
 Kruse, Richard, Fr. ---Sandusky
 Kuhl, Sandra, Fr. ---Canton
 Kull, Walter E., So. ---Chagrin Falls
 Kuyama, Yoko, Fr. ---Tokyo, Japan
 Kysela, June, So. ---Lakewood

L

Ladley, Lois, Fr. ---Cincinnati
 LaFean, Jill, So. ---Hanover, Pa.
 Landsittel, Lynn, Fr. ---Delaware
 Lang, Patricia, Fr. ---Parma Heights
 Lantz, Linda, Fr. ---St. Albans, W. Va.
 Lashar, Sara, Jr. ---York, Pa.
 Laughlin, Roger, Fr. ---Wilmington
 Laverty, David, Fr. ---Bay Village
 Lavigne, Robert, Fr. ---Hampton, N. H.
 Laws, Carolyn, So. ---New Philadelphia
 Lay, Shirley, Jr. ---Mansfield
 Lazarus, Margaretta, Fr. ---
 ---Glen Ridge, N. J.
 Lease, Ruth, So. ---Palo Alto, Calif.
 Leatherman, Hannah, Fr. ---Madison, N. J.
 Leeron, Mary, So. ---Swarthmore, Pa.
 Lee, Howard, So. ---Columbus
 LeFever, Harry (Joe), Sr. ---Columbus
 LeFevre, John, Jr. ---Granville
 Lehman, Elaine, So. ---
 ---New Wilmington, Pa.
 Leib, Julie, Sr. ---Pittsburgh, Pa.
 Leitzell, Gretchen, Fr. ---Evanston, Ill.
 Le Laurin, Jane, Fr. ---Louisville, Ky.
 Leonard, Nancy, So. ---Stow
 Le Pan, Jean, Fr. ---South Euclid
 Leuba, Elizabeth, Fr. ---Yellow Springs
 Lewis, David, Fr. ---Crisfield, Md.

Lewis, Donna, Fr. ----- Wheaton, Ill.
 Lieser, Marilyn, Sr. ----- Shaker Heights
 Linder, Ann Louise, Fr. ----- Youngstown
 Lindrooth, Donald, Fr. ----- Newark
 Lindsay, Thomas E., So. ----- Ivyland, Pa.
 Lindsey, Thomas R., Fr. ----- Evanston, Ill.
 Lindstrom, Jerry, Fr. ----- Wilmette, Ill.
 Lingelbach, Emily, Jr. ----- Flint, Mich.
 Litchfield, Elizabeth, Sr. ----- Wellesley, Mass.
 Little, Joan, So. ----- Shaker Heights
 Lockhart, Patricia, Fr. ----- Wayne, Pa.
 Logcher, Betty, So. ----- Scarsdale, N. Y.
 Lonas, Webster, So. ----- Navarre
 Long, Patricia, Jr. ----- South Euclid
 Longanecker, Robin, So. ----- Brookville
 Loofbourrow, Susan, Fr. ----- Cleveland
 Lorimer, Robin, Fr. ----- Port Byron, Ill.
 Lough, Catherine, Fr. ----- Greenfield
 Louie, Sue Fay, Fr. ----- Lakewood
 Loveless, John, Sr. ----- Columbus
 Lowden, Richard, Fr. ----- Miamisburg
 Lucak, Patricia, Sr. ----- Cleveland
 Luce, Thomas, Jr. ----- Summit, N. J.
 Luckner, Ann, Jr. ----- Buffalo, N. Y.
 Lugar, Richard, Sr. ----- Indianapolis, Ind.
 Lundquist, Bruce, Sr. ----- Jamestown, N. Y.
 Lyon, Frances, Fr. ----- Harrisburg, Pa.
 Lyons, Richard, Sr. ----- Winnetka, Ill.
 Lytle, Clifford, Sr. ----- Cleveland Heights

Mc-Mac

McAbee, Ann, So. ----- Canton
 McBride, Nancy, So. ----- St. Clairsville
 McCallister, John, Fr. ----- Xenia
 McCance, Pressly (Pete), Jr. -----
 ----- Pittsburgh, Pa.
 McClaren, Beverly, Jr. ----- Ashland, Ky.
 McCleery, Elizabeth, Fr. ----- Sharon, Pa.
 McCombs, Louis, Sr. ----- Pittsburgh, Pa.
 McConnell, Mary Ellen, So. ----- Coshocton
 McConnell, William, Jr. ----- Zanesville
 McCoy, Elizabeth, So. ----- Pittsburgh, Pa.
 McCoy, James, So. ----- Sistersville, W. Va.
 McDaniel, Lynn, Fr. ----- Carey
 MacDonald, John, Sr. ----- Lima
 MacEllven, David, Jr. ----- Montclair, N. J.
 McIntosh, Bruce, So. ----- Cincinnati
 McIntyre, Daniel, So. ----- Columbus
 MacKeen, Louise, Sr. ----- Windsor, Conn.
 McKenney, Samuel, Sr. ----- Pittsburgh, Pa.
 McKimm, Bradley, Jr. ----- Chicago, Ill.
 McLain, Nancy, Jr. ----- Pittsburgh, Pa.
 McLaughlin, Ann, So. -----
 ----- Grand Rapids, Mich.
 McLaughlin, Janet (Eisermann), Sr. -----
 ----- River Forest, Ill.
 MacLean, Anne, Jr. ----- Larchmont, N. Y.
 MacLean, Polly, Fr. ----- Cincinnati
 McLean, Sheila, Fr. ----- Geneva, N. Y.
 McMarlin, Bruce, Sr. ----- Butler, Pa.
 McMath, Joanne, Fr. ----- Portland, Ore.
 McMullen, Robert, Fr. ----- Bridgeville, Pa.
 McMonagle, Leroy, Fr. ----- Mercer, Pa.
 McNew, Eddie, Sr. ----- Detroit, Mich.
 McPhail, Walter, Jr. ----- Birmingham, Mich.
 McQuigg, Sarah, Jr. ----- Birmingham, Mich.
 MacSwords, Helen, Jr. ----- Zanesville

M

Mackey, Donald, Jr. ----- Pittsburgh, Pa.
 Macklin, John, So. ----- Cleveland

Macomber, Dane, Jr. ----- Winnetka, Ill.
 Mahaffey, Martha Ann, So. ----- Fredericktown
 Mahan, Sara, Jr. ----- Lima
 Malasky, Mary, So. ----- Detroit, Mich.
 Mallory, Martha, Fr. ----- East Aurora, N. Y.
 Manierre, William, Sr. -----
 ----- East Hartford, Conn.
 Mankin, John, Fr. ----- Fairview Park
 Mann, Charles, So. ----- North Lawrence
 Manning, Deborah, Fr. -----
 ----- Albuquerque, N. M.
 Markel, William, Jr. ----- Cincinnati
 Maroney, Thomas, So. ----- Shaker Heights
 Marquardt, James, Sr. ----- Lakewood
 Marshall, John L., Fr. ----- Dayton
 Marshall, John R., Fr. ----- Elyria
 Marston, Tucker, So. ----- Gates Mills
 Martin, Marilyn, Jr. ----- London
 Martino, John, Sr. ----- Newark
 Martz, Janet, Fr. ----- Hempstead, N. Y.
 Mason, William, Fr. ----- Chagrin Falls
 Mathieson, Douglas, Jr. ----- Detroit, Mich.
 Matlack, Jesse, Fr. ----- Lansdowne, Pa.
 Matter, Marjorie, Fr. ----- Shaker Heights
 Matthews, Jane, Sr. ----- Cleveland Heights
 Maurer, Davis, Sr. ----- Dayton
 Maxwell, Mary Ellen, Jr. ----- Cincinnati
 Mayne, Nancy, So. ----- Dayton
 Maynier, John, Fr. -----
 ----- Newport, Jamaica, B.W.I.
 Meese, Dorothy, So. ----- Buffalo, N. Y.
 Mende, Joyce, Sr. ----- Ironton
 Mende, Asa, Fr. ----- Ironton
 Menelly, Ellen, Fr. ----- Pittsburgh, Pa.
 Mering, Arlene Ann, Fr. ----- Pittsburgh, Pa.
 Metcalf, Woodbridge, Jr. ----- Berkeley, Calif.
 Metcheur, Charles, Fr. ----- Lexington, Mass.
 Meyer, Barbara L., So. ----- Middletown
 Mayer, Carl, So. ----- Rocky River
 Meyer, Molly, Fr. ----- Rocky River
 Michel, Margaret, Sr. ----- Charlotte, N. C.
 Miles, Dewitt, Sr. -----
 ----- Hastings-on-Hudson, N. Y.
 Miles, Susan, Sr. ----- Honesdale, Pa.
 Miller, Betty Anne, Sr. ----- Columbus
 Miller, Edward C., Fr. ----- Cleveland
 Miller, Edward H., III, Sr. -----
 ----- Indianapolis, Ind.
 Miller, Elliott, Sr. ----- Sioux Falls, S. D.
 Miller, John B., Sr. ----- Dobbs Ferry, N. Y.
 Miller, John N., Jr. ----- Honolulu, T. H.
 Miller, Margaret (Owen), Sr. -----
 ----- Indianapolis, Ind.
 Miller, Marianne, Fr. ----- Dayton
 Miller, Marjorie, So. ----- Rocky River
 Miller, Patricia, So. ----- Columbus
 Miller, Theodore, Sr. ----- New York, N. Y.
 Mitchell, Janet, Jr. ----- Upper Darby, Pa.
 Mitchell, Louis, Fr. ----- Newark
 Mitchell, Nancy, Jr. ----- Bellevue
 Moderwell, Mary, Fr. ----- Evanston, Ill.
 Mohr, Emily, Jr. ----- Chicago, Ill.
 Moor, William III, Jr. ----- Toledo
 Moore, Barbara, So. ----- Chagrin Falls
 Moore, Janet, Sr. ----- Elmwood Park, Ill.
 Moore, Mary Ann, Fr. -----
 ----- Pleasant Ridge, Mich.
 Moore, Wilbur, Sr. ----- Youngstown
 Moraitou, Athena, Jr. -----
 ----- Thessaloniki, Greece

Morgan, David, Jr. Granville
 Morgan, Walter, Fr. Newark
 Morris, Karen, Fr. Shaker Heights
 Morrison, William, Sr. Toledo
 Morrow, Diane, Fr. New York, N. Y.
 Morrow, Phyllis, Fr. Granville
 Mramor, Kathleen, So. Lorain
 Muldur, Nil, So. Istanbul, Turkey
 Mullikin, Carol, Jr. Easton, Md.
 Mumma, Marilyn, Fr. Springfield
 Mummery, Raymond, Sr. North Canton
 Murdoch, Sarah, Fr. Library, Pa.
 Murphy, John, Sr. Chicago, Ill.
 Muskoif, John, So. Navarre
 Myers, Audrey, So. Toledo
 Myers, Nancy, Jr. Middletown
 Mygdal, Kathryn, So. Winnetka, Ill.

N

Nadzak, Walter, Fr. Ambridge, Pa.
 Nagley, Suzanne, Jr. South Charleston
 Nagy, Alexander, Jr. Oneida, N. Y.
 Nash, Kenneth, Jr. Cleveland Heights
 Neal, Maryella, Sr. Searcy, Ark.
 Neale, Milton, So. Moylan, Pa.
 Nelson, Nancy, Jr. Chambersburg, Pa.
 Nelson, Robert, So. Jamestown, N. Y.
 Neuman, Carole, So. Sharpsville, Pa.
 Neuman, Lyda, So. Sharpsville, Pa.
 Newkirk, Jean, So. Cleveland
 Newman, Brian, Jr. Alliance
 Newton, Nancy, Fr. Pittsburgh, Pa.
 Nichols, David, So. Youngstown
 Nichols, Joan, So. Grand Rapids, Mich.
 Nicola, Nancy, So. Shaker Heights
 Niles, Virginia, So. River Forest, Ill.
 Nisbet, Martha, Sr. Loveland
 Noethlich, Jerry, Fr. Columbus
 Nolan, James, So. Rocky River
 Norman, Leslie, So. Lakewood
 Norman, Lloyd, So. Lakewood
 Nunn, Jill, Fr. Meadville, Pa.

O

Obbard, John, Jr. Sewickley, Pa.
 Oberlin, Bruce, Fr. Springfield
 Odell, William, Fr. South Bend, Ind.
 O'Donnell, Sharon, Fr. Columbus
 Ogilvie, Nancy Jean, Fr. University Heights

Olderman, David, Fr. Shaker Heights
 Oliver, John, So. Springfield, Ill.
 Oliver, Warren, Sr. Springfield, Ill.
 Olney, Dorothy, Jr. Waltham, Mass.
 Olney, Louise, Jr. Proctor, Vt.
 Omundson, Marilyn, So. Park Ridge, Ill.
 Opdahl, Keith, So. Oak Park, Ill.
 Osborn, Elizabeth, Jr. Grosse Ile, Mich.
 Osborne, Kathleen, Fr. Akron
 Otto, Peter, Jr. Maplewood, N. J.

P

Palmer, Audrey, So. Hamden, Conn.
 Palmer, Gail, Fr. Riverside, Ill.
 Parkhill, Gay, Fr. Champaign, Ill.
 Parrish, Patricia, Jr. Columbus
 Parsons, Cynthia, Fr. Rocky River
 Paterson, Gordon, Fr. Niantic, Conn.
 Patterson, Susan, So. Wellsville
 Pattison, Melvin, So. Cleveland

Patton, John, Fr. Erie, Pa.
 Paul, Mary Alice, Fr. Jamesville, N. Y.
 Paxton, Marilyn, Sr. Wilmette, Ill.
 Peckham, Charles, Sr. Norwalk
 Peckham, Robert, Fr. Scarsdale, N. Y.
 Peck, Carl, So. Indianapolis, Ind.
 Peck, Jane, Jr. Indianapolis, Ind.
 Penirian, Frank, Jr. Detroit, Mich.
 Pentland, Jon, Fr. Pittsburgh, Pa.
 Perry, Patricia, Fr. Rocky River, Ill.
 *Peterson, George, Sr. Arlington Heights, Ill.
 Peterson, Shirley, So. Indianapolis, Ind.
 Phallin, Richard, Fr. Columbus
 Phelps, Elizabeth, Fr. Philadelphia, Pa.
 Pheneger, Donald, Fr. Granville
 Phillips, James, Jr. Jamestown, N. Y.
 Phillips, Mary Jo, Jr. Pittsburgh, Pa.
 Pickett, Betsy, Fr. Pittsburgh, Pa.
 Pickett, Rachel Ann, Fr. Parkersburg, W. Va.

Pierce, Janet, So. Strongsville
 Pierce, Richard, Jr. Brooklyn, Conn.
 Plastow, Nancy, Fr. Detroit, Mich.
 Pobst, Nancy, Jr. Jackson, Mich.
 Pole, Robert, So. Oak Park, Ill.
 Poletti, Jeanne, So. Glen Rock, N. J.
 Posey, James, Sr. Granville
 Potent, John, So. Louisville, Ky.
 Potts, Marilyn, Fr. Youngstown
 Prasse, Richard, Sr. Winnetka, Ill.
 Preston, Malcolm, So. Glencoe, Ill.
 Preucil, Alan, So. River Forest, Ill.
 Price, Marjorie, Fr. Girard
 Price, Mary Lou, Sr. Chicago, Ill.
 Price, Robert, Sr. Rochester, N. Y.
 Prime, Lewis, Sr. Cleveland
 Prime, Mary Helen, So. Pittsburgh, Pa.
 Prime, Paul, Jr. Cleveland
 Pritchard, Joen, Sr. Youngstown
 Proffo, Winston, Sr. Newport, N. Y.
 Prosser, William (Sam), So. Akron
 Pryor, Andrew, Fr. Newark
 Puhl, Ellen Lee, Fr. Philadelphia, Pa.
 Pullets, John, So. Pittsburgh, Pa.
 Pumphrey, Robert, Jr. Dayton
 Pursell, Joanne, Fr. Plymouth, Mich.
 Puryear, Jean, Sr. Brentwood, Tenn.
 Pyle, Rebecca, Fr. Cheshire, Conn.

Q

Quinby, Amelia, So. Wooster

R

Race, Jean, Sr. Evanston, Ill.
 Race, Virginia, Sr. Cedar Rapids, Ia.
 Ragsdale, Mildred, Jr. Flint, Mich.
 Rainey, Carole, Fr. Irwin, Pa.
 Ramsdell, Robert, Sr. Middletown
 Randolph, Catherine, Fr. Toledo
 Ranney, Gail, So. Cleveland Heights
 Rasmussen, Elizabeth, So. Shaker Heights
 Rasor, Barbara, Fr. Findlay
 Rasor, Philip, Jr. Findlay
 Raymond, Larry, So. Pittsburgh, Pa.
 Rees, Frances, Jr. Michigan City, Ind.
 Rees, Philip, Sr. Manitowoc, Wis.
 Reese, Beverly (Rossman), Fr. Granville

Reese, Robert, Jr. ----- Toledo
 Reese, Susan, Fr. ----- Erie, Pa.
 Reese, Thekla, So. ----- Newark
 Reese, Walter, Fr. ----- Granville
 Regney, Thomas, Fr. ----- Baden, Pa.
 Reid, Marcia, So. ----- Cincinnati
 Reid, Mary, So. ----- Lima
 Reiners, Marian, Sr. ----- Cincinnati
 Reinholdtzen, Gall, Fr. ----- Wilmette, Ill.
 Renner, Nancy, So. ----- Littleton, Pa.
 Rentzepis, Peter, So. ----- Sophades, Greece
 Retnauer, Robert, Sr. ----- Chicago, Ill.
 Reynolds, Howard, Fr. ----- Lexington, Ky.
 Rhodes, Bruce, So. ----- Niagara Falls, N. Y.
 Rice, Harold, So. ----- Butler, Pa.
 Rice, Louis, Sr. ----- Cincinnati
 Rich, Virginia, So. ----- New Canaan, Conn.
 Richards, Jane, Fr. ----- Massillon
 Richardson, Faye, Jr. ----- Wellsville, N. Y.
 Richardson, John, Fr. -----
 ----- Grosse Pointe, Mich.
 Rietschlin, Joseph, Fr. ----- Shelby
 Risley, Judith, So. ----- Conneaut
 Ritter, Nicholas, Fr. ----- Paris, France
 Robb, Howard, Fr. ----- Pittsburgh, Pa.
 Roberts, James, Fr. ----- Newark
 Robertson, Edwin, So. ----- Indianapolis, Ind.
 Robertson, Sarah, Fr. ----- San Antonio, Tex.
 Robinson, David, Jr. ----- Chagrin Falls
 Robinson, Julianne, Sr. ----- Rocky River
 Robinson, Stanley, Fr. ----- Radnor, Pa.
 Rodgers, John, Jr. ----- Chagrin Falls
 Roehl, Peter, Fr. ----- Bay Village
 Roesser, Richard, Fr. ----- Flint, Mich.
 Rogers, Bradley, So. ----- Cayuga, N. Y.
 Rohl, Kenneth, Fr. ----- Pittsburgh, Pa.
 Rolli, Carolyn, Fr. ----- Toledo
 Roper, Richard, Sr. ----- Toledo
 Rossellit, William, Fr. ----- Toledo
 Rothenhoefer, Nancy, So. ----- Pittsburgh, Pa.
 Rothman, Joel, Fr. ----- New York, N. Y.
 Rouce, Phillip, So. ----- Rocky River
 Roudabush, George, So. ----- Akron
 Roush, James, Sr. ----- Indianapolis, Ind.
 Rowe, Barbara, Fr. ----- Pittsburgh, Pa.
 Rownd, Harry, Sr. ----- Canton
 Ruemmele, Phyllis, Fr. ----- Pittsburgh, Pa.
 Rugh, Virginia, Jr. ----- Westfield, N. J.
 Ruhl, Barbara, Fr. ----- Grand Rapids, Mich.
 Rusk, Mary Alice, So. ----- Chestertown, Md.
 Russ, Barbara, Fr. ----- Parma Heights
 Rutherford, Thomas, Sr. ----- Orlando, Fla.
 Ryno, William, Jr. ----- Winnetka, Ill.

S

Saar, Virve, Sp. (Estonian) -----
 ----- Toronto, Ont. Can.
 Sadd, William, Fr. ----- Naperville, Ill.
 Sadosky, Sue, Fr. ----- Columbus
 Safreed, Patricia, So. ----- Akron
 Sauer, Jack, Fr. ----- Chagrin Falls
 Savage, Paul, Fr. ----- Bay Village
 Sawyer, Patricia, Fr. ----- Kenmore, N. Y.
 Saxton, Alden, Fr. ----- South Euclid
 Scatterday, James, Fr. ----- Westerville
 Scatterday, Jane, Jr. ----- Westerville
 Schaefer, Philip, Fr. ----- Toledo
 Schafer, Sally, Fr. ----- Youngstown
 Schanz, Larry, Fr. ----- Ypsilanti, Mich.
 Schanz, Peter (Bill), Fr. ----- Lakewood

Schautz, James, Fr. ----- Rochester, N. Y.
 Schell, Suzanne, So. ----- Ambridge, Pa.
 Schenk, John, Sr. ----- Cleveland
 Schieber, David, So. ----- Bucyrus
 Schilling, Bruce, Jr. ----- Granville
 Schmidt, Mary, So. ----- Greenville
 Schmidt, Nanette, Fr. ----- Toledo
 Scholfield, Zoa, Sr. ----- Wausau, Wis.
 Schomer, Elizabeth, Fr. ----- Youngstown
 Schreiner, Frank, Fr. ----- Cleveland Heights
 Schroeder, Nancy, Fr. ----- Wilmette, Ill.
 Schuette, Albert, So. ----- Flint, Mich.
 Schumacher, Kaye, Fr. ----- Lakewood
 Schurz, Scott, Fr. ----- South Bend, Ind.
 Schwing, Larry, So. ----- Bay Village
 Scott, Joanne, So. ----- Portland, Ore.
 Seeger, Arden, So. ----- Columbus
 Selk, Larry, Fr. ----- South Euclid
 Seltzer, Patricia, Fr. ----- Shelby
 Semler, Philip, Fr. ----- Medway
 Sessions, Jane, Sr. ----- Lakewood
 Sessions, Margaret, Fr. ----- Lakewood
 Shackelford, Donald, Sr. ----- Dedham, Mass.
 Shaffer, Mary Jo, Fr. ----- Fort Wayne, Ind.
 Sharp, Dennis, Fr. ----- Pittsburgh, Pa.
 Shaw, Theodore, Fr. ----- Wilmette, Ill.
 Sheets, Joseph, Sr. ----- Detroit, Mich.
 Sheldon, Cynthia, Fr. ----- Chappaqua, N. Y.
 Shell, Ralph, So. ----- Miamisburg
 Sherman, Marjory, Jr. ----- Lakewood
 Shilliday, John, Jr. ----- Cleveland
 Shirley, Katherine, Sr. -----
 ----- Reisterstown, Md.
 Shoemaker, Mary, So. ----- Cleveland
 Sholes, Susan, Sr. ----- Middlebury, Vt.
 Shorney, Sue, Fr. ----- Saginaw, Mich.
 Shrader, Barbara, Jr. ----- Findlay
 Shumway, Julia, So. -----
 ----- East Aurora, N. Y.
 Silliman, Barbara, So. ----- Lakewood
 Silver, Nancy, So. ----- West Jefferson
 Simmons, Jayne, So. ----- Lancaster
 Simmons, Lindsay, So. ----- Cincinnati
 Simmons, Margaret, Jr. ----- Cincinnati
 Sippel, Nancy, So. ----- Midland, Mich.
 Sizer, Stephen, Jr. ----- Winnetka, Ill.
 Skala, Mary Ann, Sr. ----- Cleveland
 Skidmore, Thomas, Sr. ----- Cincinnati
 Skimming, Lee, Fr. ----- Wilmington
 Skuce, Richard, Jr. ----- Toledo
 Slater, Carl, Sr. ----- Hammondsport, N. Y.
 Slater, Francis, Fr. ----- Springfield
 Slayton, Joyce, Jr. ----- Hardwick, Vt.
 Sloat, John, Sr. ----- Cranford, N. J.
 Smalstig, Fred, Sr. ----- Ingomar, Pa.
 Smart, Jean, So. ----- Middletown
 Smeltzer, Charlene, Sr. ----- Detroit, Mich.
 Smith, Charles, Sr. ----- Cleveland
 Smith, Dennis, Fr. ----- Shaker Heights
 Smith, Douglas, So. ----- Groton, Mass.
 Smith, Frances Lea, So. -----
 ----- Grand Rapids, Mich.
 Smith, Frances (Mimi), Fr. ----- Toledo
 Smith, Gail, Fr. ----- Detroit, Mich.
 Smith, Gordon, So. ----- Dearborn, Mich.
 Smith, Jack, Jr. ----- Pittsburgh, Pa.
 Smith, Jean, Sr. ----- Silver Spring, Md.
 Smith, Jeannette, Sr. ----- Toledo
 Smith, Joanne, Sr. ----- Youngstown
 Smith, Judith, So. ----- New Castle, Pa.

Smith, Margaret, So. Battle Creek, Mich.
 Smith, Mary Jo, Fr. Princeton, N. J.
 Smith, Nansi-lee, Jr. Decatur, Ga.
 Smith, William, Fr. Detroit, Mich.
 Smythe, Lynda, Jr. Youngstown
 Snell, John, Fr. Shaker Heights
 Snyder, Janet, So. Pittsburgh, Pa.
 Snyder, Mary Ann, So. Henderson, Ky.
 Sondles, Marilyn, So.
 Sistersville, W. Va.
 Spade, Wayne, Fr. Birmingham, Mich.
 *Speidel, Richard, Sr. Batavia
 Spera, David, So. Kenosha, Wis.
 Speroff, Leon, Fr. Akron
 Spiegel, Barbara, Sr. Tiffin
 Spoerri, Louise, So. University Heights
 Springer, Sally Lou, Fr. Uniontown
 Sprosty, Don, Fr. Lakewood
 Stanley, William, Fr.
 Pleasant Ridge, Mich.
 Starbuck, Susan, So. Nicasio, Calif.
 Stearns, Eugene, Sr. Evanston, Ill.
 Steele, Harold, Sr. Dobbs Ferry, N. Y.
 Steele, Nancy Lee, Jr.
 West Hartford, Conn.
 Steffen, Thomas, So. University Heights
 Stein, Shirley, Sr. Newtown
 Stelzer, Ralph, So. Lima
 Stevens, Arthur, So. Chicago, Ill.
 Stevens, David, Fr. Chagrin Falls
 Stevens, Mary, Fr. Menasha, Wis.
 Stewart, Nancy, Fr. Hammond, Ind.
 Stewart, Robert, So.
 South Fort Mitchell, Ky.
 Stillwagon, George, Fr. Dayton
 Stoaks, Charles, Sr.
 North Tonawanda, N. Y.
 Stoesser, Carol, Fr. Buffalo, N. Y.
 Stone, Ann, So. Mechanicsburg, Pa.
 Stouffer, Philip, Fr. Evanston, Ill.
 Stout, Prentice, So. New York, N. Y.
 Stratton, Deborah, Fr. Evansville, Ind.
 Strauss, Sandra, Fr. Cleveland Heights
 Stroh, Paul, So. Parma
 Strohmer, Cynthia, So. Dayton
 Supples, Carolyn, So. Zanesville
 Sutherland, Donald, Sr.
 Short Hills, N. J.
 Svensson, Marguerite, Fr.
 Palatine, Ill.
 Swanger, Jane, Sr. Bethesda, Md.
 Swanson, Drusilla, Sr.
 Jamestown, N. Y.
 Swift, Helen, Fr. Pittsburgh, Pa.
 Swinton, Robert, Fr. Lakewood
 Swap, Beverly, So. Kalamazoo, Mich.
 Syvertsen, Carol, So. Rocky River

T

Tallentire, Thomas, Fr. Cincinnati
 Tannall, Kathleen, Jr. Philadelphia, Pa.
 Taylor, Carol, Sr. Dayton
 Taylor, Charles, Fr. Youngstown
 Taylor, Jane, So. Pittsburgh, Pa.
 Taylor, John, Fr. Dayton
 Taylor, Joan, Fr. Dayton
 Taylor, Karen, Jr.
 West Orange, N. J.
 Taylor, Mary Ann, Jr. Mansfield
 Taylor, Elizabeth, Fr. Columbus

Taylor, Ronald, Fr. Campbellsville, Ky.
 Tegtmeyer, John, Fr. Milwaukee, Wis.
 Templeton, Patricia, Fr. Pittsburgh, Pa.
 Templeton, Paula, Fr. Pittsburgh, Pa.
 Ten Cate, Garet, So. Butler, Pa.
 Ternavan, Joseph, Fr. Dayton
 Teweles, Hugh, Sr. Milwaukee, Wis.
 Thaeler, Joyce, So. University Heights
 Thom, Marjorie, Fr. Wallingford, Pa.
 Thomas, Carolyn, So. Huntington, W. Va.
 Thomas, John, Fr. Darien, Conn.
 Thomas, Joseph, So. Marion
 Thomas, Neal, Jr. Mancos, Colo.
 Thompson, Kenneth, Jr. Winnetka, Ill.
 Thompson, Robert, Sr. Cincinnati
 Thompson, Shirley, So. Marietta
 Thompson, William, Jr. Blue Island, Ill.
 *Thrasher, Robert, Jr. Lisbon
 Throckmorton, Alwyn, Sr. Newark
 Throckmorton, John, Fr. Newark
 Thuma, John, Fr. Jamestown
 Timms, Nancy, Fr. Elyria
 Tinker, Mary Jean, Fr. Granville
 Titus, Louise, So. Granville
 Tompkins, Elizabeth, So.
 Rochester, N. Y.
 Tonneberger, Bonnie, Sr. Toledo
 Towles, Janis, Fr. Ann Arbor, Mich.
 Trace, Linda, So. Dayton
 Tracy, Frederick, Fr. Buffalo, N. Y.
 Travis, James, Sr. Grand Rapids, Mich.
 Tregoning, Paul, So. Warren
 Tritipo, Joan, Sr. Gambier
 Trott, Beverly, Fr. Akron
 Trumbull, Elliott, Fr.
 Bloomfield Hills, Mich.
 Tschantz, John, Fr. Hartsville
 Tucker, Nancy, Jr. Warren
 Turk, Joanne, Sr. University Heights
 Turner, Mary, Sr. Canton
 Turner, Nancy, Fr. Berea
 Tuttle, Carol, Fr. Pontiac, Mich.
 Tuttle, Barry, So. Pontiac, Mich.

U-V

Uchino, Kiyohiko, Sp. Tokyo, Japan
 Umphrey, Shirley, Sr. Detroit, Mich.
 Vance, John, Sr. Poland
 Vandever, William, So. Philadelphia, Pa.
 Van Dussen, Mary, So. Rochester, N. Y.
 Van Gunten, Orland, Fr. Lakewood
 Vega, Barbara, Jr.
 Santa Barbara, Calif.
 VerBruggen, Yvonne, Fr.
 Evanston, Ill.
 Vogan, Alan, Jr. Canton
 Vogel, Julia, So. Detroit, Mich.
 Vogt, Robert, Sr. Youngstown
 Vols, Ray, So. Cambridge
 Voss, Eleanor, So. Toledo

W

Wachs, Marcia, Jr. Prairie View, Ill.
 Wade, David, Jr. Cincinnati
 Wagner, Carolyn, Sr. River Forest, Ill.
 Wagner, Cathleen, Fr. Davenport, Ia.
 Wagner, Nancy, So. Buffalo, N. Y.
 Wagner, Virginia, Fr. Riverside, Ill.
 Wagner, William, Fr. River Forest, Ill.
 Wahle, Janet, Jr. Indianapolis, Ind.
 Wakeman, Richard, Sr.
 Bridgeport, Conn.

| | | | |
|----------------------------------|----------------------|---|----------------------------|
| Walker, Harold, Sr. | Bronx, N. Y. | Willis, Marie, So. | Painesville |
| Walker, Sheila, Fr. | Wheeling, W. Va. | Willis, Ronald, So. | Tampa, Fla. |
| Walton, Charles, So. | Piqua | Wilson, Helen, Jr. | Cleveland |
| Ward, Lee, Fr. | Hampshire, Ill. | Wilson, Jean, Sr. | Shaker Heights |
| Washburn, Richard, Fr. | Euclid | Winans, Thomas, Sr. | Ashland, Ky. |
| Waters, Irving, Fr. | Hartford, Conn. | Wininger, John, Fr. | Irvington-on-Hudson, N. Y. |
| Watkins, Jane, Jr. | Warren | Winkler-Prins, Elizabeth, Sr. | Pelham, N. Y. |
| Watkins, Martha, Jr. | Westerville | Winship, Robert, Jr. | Shaker Heights |
| Watson, Louis, So. | Pelham Manor, N. Y. | Wise, Carolyn, Fr. | Aurora |
| Waugh, Jo-Ann, Fr. | Zanesville | Witte, Jane, Fr. | Grosse Pointe, Mich. |
| Weathers, William, So. | South Bend, Ind. | Witz, Nancy, Fr. | Pittsburgh, Pa. |
| Weaver, Joan, Fr. | Youngstown | Witzman, Alice, So. | West Richfield |
| Weaver, Richard, Fr. | Youngstown | Wolfe, Dale, Sr. | Garfield Heights |
| Webb, Kenneth, Fr. | Grosse Pointe, Mich. | Wood, John E. F., So. | Scarsdale, N. Y. |
| Weber, Alice, So. | Chicago, Ill. | Wood, Palmer, So. | Birmingham, Mich. |
| Weber, Catherine, Sr. | Cincinnati | Wood, Richard, So. | Columbus |
| Weisenbarger, Jane, So. | Lima | Woods, Ann (Jill), Sr. | Lucas |
| Weisenfluh, Ann Louise, Jr. | Taylor, Pa. | Woods, Rachel, Jr. | Ashland, Ky. |
| Weist, Carl, Fr. | Center Lovell, Me. | Woods, Robert, Sr. | Snyder, N. Y. |
| Weldy, James, Fr. | Birmingham, Mich. | Woodward, June, So. | Oak Park, Ill. |
| Wellman, Lynn, Sr. | Westfield, N. Y. | Woodyard, David, Sr. | Oak Park, Ill. |
| Wells, John, Fr. | Philadelphia, Pa. | Woolverton, Jean, Fr. | South Bend, Ind. |
| Werner, Barbara, So. | Sarasota, Fla. | Wright, Florence (Hollingworth), Sr. | Granville |
| Westlake, James, Sr. | Granville | Wright, John, Fr. | Newark |
| Whaley, Judith, Sr. | Shaker Heights | Wright, Kenneth, So. | Swarthmore, Pa. |
| Whitacre, Halford, So. | Bowling Green | Wucher, Fred, So. | Pittsburgh, Pa. |
| Whitcomb, Carolyn, Sr. | Hiram | Wyde, Carolee, Fr. | Huntington Park, Calif. |
| White, Edward, Fr. | New Washington | Wylie, Andrew, So. | Glencoe, Ill. |
| White, Robert, Fr. | Scarsdale, N. Y. | Wyse, David, So. | Managua, Nicaragua |
| Whitlach, Robert, Fr. | Birmingham, Mich. | Y-Z | |
| Whitmer, William, Sr. | Wheaton, Ill. | Yasumura, Rayko, Sr. | Tokyo, Japan |
| Whitney, Susan, Sr. | Conneaut | Yates, Gladys, Fr. | Pittsburgh, Pa. |
| Wicke, Henry, Fr. | Honolulu, T. H. | Yates, Mary Ann, Jr. | Pennsboro, W. Va. |
| Wiebell, Thomas, So. | Cincinnati | Yates, Sandra, Fr. | Erie, Pa. |
| Wiles, Larry, Fr. | Zanesville | Yoakam, Ruth, So. | Utica |
| Wiley, Noxon, So. | Halesite, N. Y. | Yohe, Douglas, Sr. | Bethesda, Md. |
| Wilkins, Nancy, So. | Sharpsville, Pa. | Yohe, Robert, So. | Cuyahoga Falls |
| Wilkinson, Robert, So. | Zanesville | York, Richard, So. | Erie, Pa. |
| Wilks, Judith, So. | Ft. Wayne, Ind. | Young, Barbara, Jr. | Narberth, Pa. |
| Willey, Sandra, So. | Newark | Young, Charles, So. | Oklahoma City, Okla. |
| Williams, Arlene, So. | Kent | Young, John, Fr. | White Plains, N. Y. |
| Williams, Charles, Fr. | Alexandria | Youngquist, Thomas, Fr. | Rockford, Ill. |
| Williams, Elizabeth, Sr. | Columbus | Zeigler, Jean, Jr. | Cincinnati |
| Williams, John M., Jr. | Granville | Ziegler, Norman, So. | Brookline, Mass. |
| Williams, John W., Fr. | Newark | Zoeller, Bonnie, So. | Wheaton, Ill. |
| Williams, Margaret, Jr. | Youngstown | | |
| Williams, Sharon, Jr. | Zanesville | | |
| Willie, James, Fr. | Cambridge | | |

PART-TIME STUDENTS

| | | | |
|-------------------------------|--------------|--------------------------------|-----------|
| Beattie, Anna B. | Granville | Moore, Bert C. | Newark |
| Bogardus, Mary (Mrs.) | Mount Vernon | Philipps, Samuel | Newark |
| Boner, William | Newark | Schwartz, Ralph | Hebron |
| Commons, Clarence | Newark | Seabold, Cecil A. | Newark |
| Gulick, Mrs. R. A. | Newark | Stratton, Margaret (Mrs.) | Granville |
| Hoxby, Camille (Mrs.) | Granville | Swank, Fred | Newark |
| Izard, Robert K. | Croton | Tait, William H. | Newark |
| Larimer, Mary Kay (Mrs.) | Granville | Walkenspaw, James | Granville |
| Lockett, Paul F. | Newark | Wells, Mrs. M. E. | Granville |
| Long, David | Newark | Wetmore, Mrs. George | Granville |
| McMullen, Mrs. Earle | Granville | | |

NON-COLLEGE STUDENTS IN CONSERVATORY

| | | | |
|---------------------------|-----------|---------------------------|--------------|
| Carter, Royce (Mrs.) | Granville | Greene, Colin | Granville |
| Claffey, Linda | Granville | King, Sylvia | Granville |
| Dudley, Jack | Granville | McClain, Mary (Mrs.) | Granville |
| Dunfield, Deborah | Granville | Soper, June | Mount Vernon |
| Frye, Sharon (Mrs.) | Newark | Winslow, Susan | Granville |

INDEX

| | |
|--|------------------|
| Academic Honors, Standing | 23, 35 |
| Acceptance Procedure | 17 |
| Accrediting | 7 |
| Activities, Student | 8, 123 |
| Administrative Staff | 137 |
| Admission, Preliminary Application | 16 |
| Advanced Standing | 18 |
| Air Force ROTC | 15, 54 |
| Air Science and Tactics | 61 |
| Applied Music | 46, 99, 120 |
| Area Studies, Major in | 59 |
| Art | 55, 62 |
| Arts-Professional Courses | 50 |
| Astronomy | 64 |
| Athletics | 13 |
| Awards | 36 |
| Bills, Payment of | 25 |
| Biological Sciences | 66 |
| Board | 25 |
| Books and Supplies | 25 |
| Buildings | 10 |
| Business Council | 20 |
| Business, Major in | 73 |
| Calendar, Academic | 2, 6 |
| Carnegie Institute of Technology, Cooperation with | 52 |
| Chapel Attendance | 43 |
| Chemistry | 11, 68 |
| Christian Emphasis | 8 |
| Citizenship, Major in | 60 |
| Classical Languages | 71 |
| Combination Courses | 50 |
| Community Recreation, Major in | 60 |
| Composition | 54 |
| Concentration, Field of | 42 |
| Conservatory of Music | 11, 25, 118, 120 |
| Cooperative House | 13 |
| Counseling | 19 |
| Courses of Study | 53, 59 |
| Departmental | 59 |
| General Education or Core | 53, 58 |
| Critical Issues, Course in | 60 |
| Cultural Development | 9 |
| Deans of Students | 19, 138 |
| Dean's List of Annual Honors | 35 |
| Degrees Conferred | 41 |
| Degree Requirements | 41 |
| Denison Campus Government Association | 14, 24 |
| Departmental Courses | 59 |
| Deposits | 26 |
| Dining Halls | 12 |
| Directed Study | 49 |
| Dramatics | 14, 55, 115 |

| | |
|------------------------------------|-------------|
| Economics | 72 |
| Education | 7, 76 |
| Elective Courses | 43 |
| Eligibility Rule | 23 |
| Engineering, Profession of | 52 |
| Engineering Science | 78 |
| English | 46, 57, 79 |
| English Requirements | 46 |
| Enrollment | |
| Classified | 123 |
| Geographical | 124 |
| Student | 140 |
| Entrance Requirements | 16 |
| Examinations | 17, 24, 48 |
| Expenses | 24 |
| Extracurricular Activities | 14, 123 |
| Faculty | 118, 128 |
| Family Life | 60, 82 |
| Fees, Conservatory | 25 |
| Foreign Language | 57 |
| Forestry Course | 51 |
| French | 93 |
| General Education | 41, 53, 58 |
| General Information | 7 |
| Geography | 83 |
| Geology | 83 |
| German | 94 |
| Government | 85 |
| Grade-Point System | 47 |
| Graduate Honor Scholarships | 29 |
| Graduation with Honors | 35, 49 |
| Grants-in-Aid | 27, 30 |
| Greek | 71 |
| Guidance, see Student Services | 19, 138 |
| Health | 13, 54 |
| History | 87 |
| History, Denison | 7 |
| History of Civilization | 55 |
| Honor Scholarships | 27 |
| Honorary Societies | 35 |
| Honors | 36, 49 |
| Hospital | 11, 24, 139 |
| Incidental Fee | 24 |
| Italian | 95 |
| Journal of Scientific Laboratories | 10 |
| Language and Literature | 57 |
| Latin | 72 |
| Law | 50 |
| Library | 8, 10, 138 |
| Loan Funds | 33 |
| Location | 7 |
| Majors, Kinds of | 59 |
| Mathematics | 55, 90 |
| Medicine | 50 |
| Merrill-Palmer School | 50 |
| Modern Languages | 92 |

| | |
|--|--------------------------------------|
| Music | 14, 25, 29, 41, 44, 55, 97, 118, 120 |
| Objectives, University | 4 |
| Organizations | 9, 14, 123 |
| Orientation of New Students | 19 |
| Personnel Administration, Major in | 107 |
| Phi Beta Kappa | 35 |
| Philosophy | 99 |
| Physical Education | 43, 54, 101 |
| Physics | 105 |
| Plan of Study | 41 |
| Portuguese | 95 |
| Prizes | 36 |
| Professions, Training for | 50 |
| Psychology | 107 |
| Radio | 113 |
| Refunds | 17, 26 |
| Registration | 21 |
| Religion | 109 |
| Rensselaer Polytechnic Institute, Cooperation with | 52 |
| Requirements, Admission | 17 |
| Requirements, Degree | 41, 46 |
| Research Foundation | 10, 28 |
| Reservations, Cancellation of | 26 |
| Residence Halls | 11, 12 |
| Room Deposit | 17, 26 |
| Room Rent | 24 |
| Scholarships | 27 |
| Scholastic Requirements | 46 |
| Scientific Association | 10 |
| Secondary School Certificate (Teaching) | 52 |
| Services, Student | 19, 138 |
| Social Life | 14 |
| Social Science | 57 |
| Society of Arts and Letters | 10 |
| Sociology | 111 |
| Spanish | 95 |
| Speech | 113 |
| Student Government | 14 |
| Students Enrolled | 123, 124, 140 |
| Teacher Placement | 20 |
| Teaching Certificate | 52 |
| Theatre Arts | 55, 115 |
| Transdepartmental Courses | 60 |
| Transdepartmental Majors | 59 |
| Transfer Students | 18 |
| Trustees, Board of | 125 |
| Tuition | 24 |
| Typing | 61 |
| University of Chicago, Cooperation with | 51 |
| Veterans, Counseling of | 20 |
| Vocational Services | 20 |
| Washington Semester Plan | 49 |
| Withdrawal from the University | 22 |
| Withdrawal from Courses | 22 |