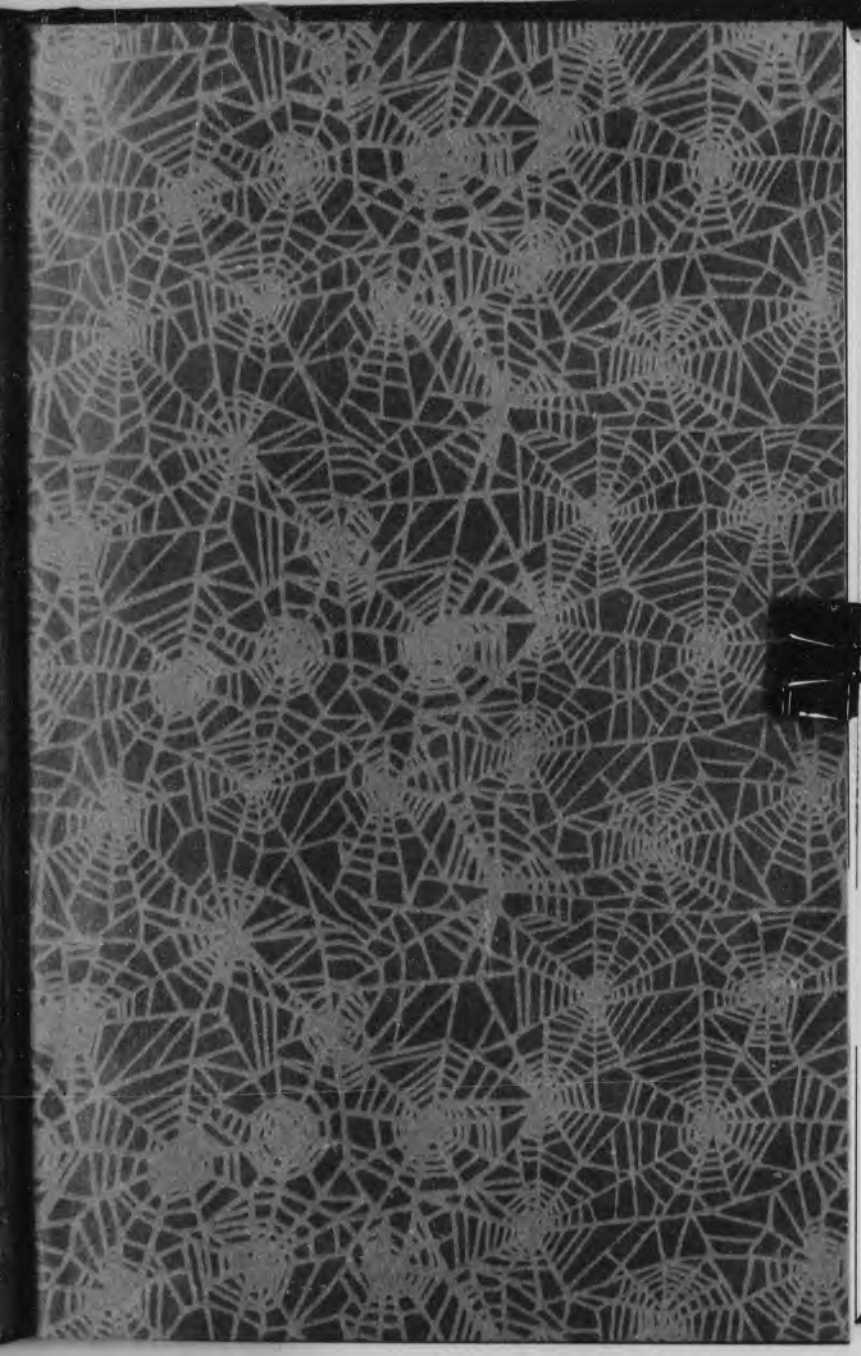




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DENISON

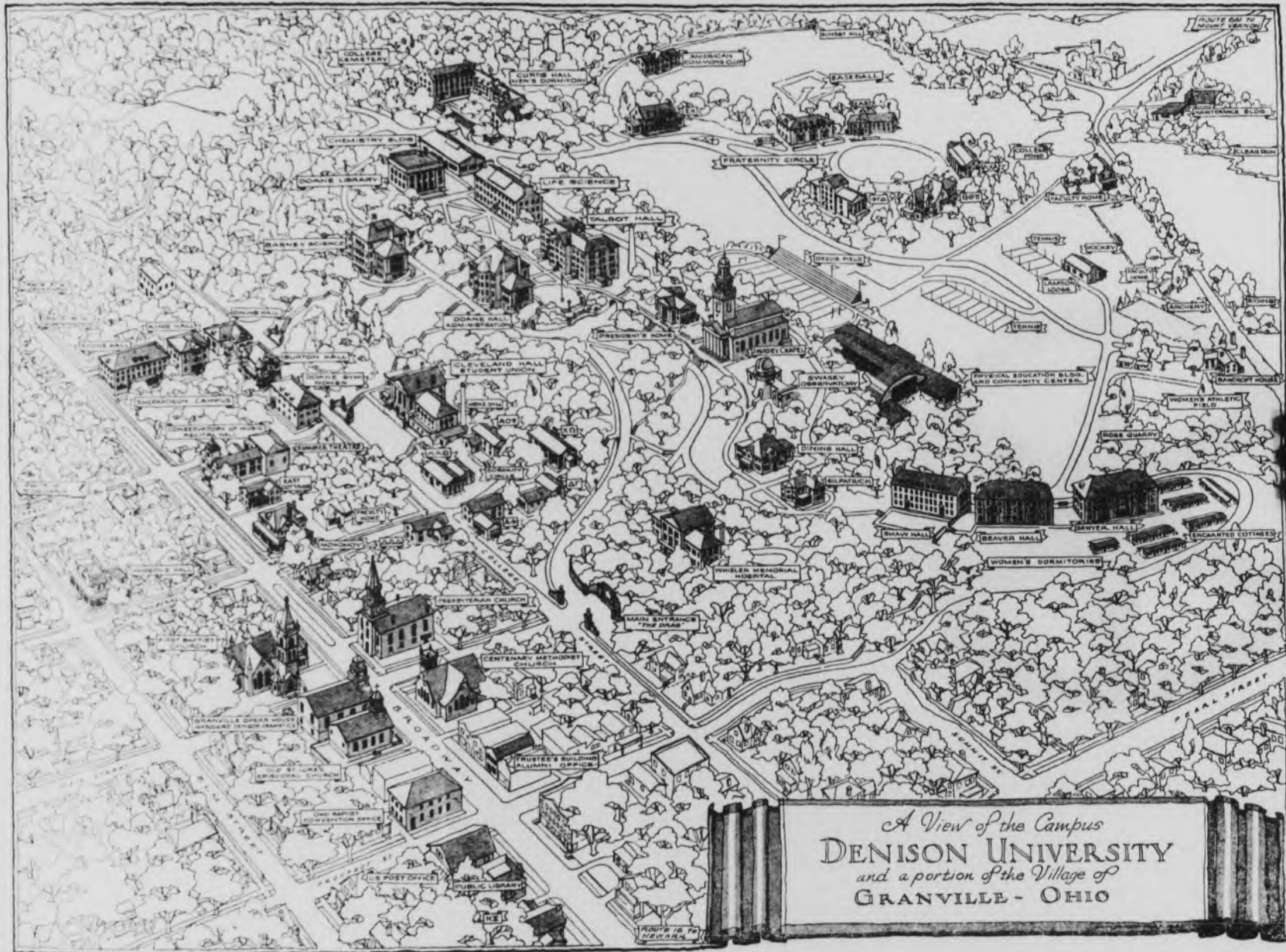
UNIVERSITY
BULLETIN
CATALOG NUMBER 1952-53





DENISON

UNIVERSITY
BULLETIN
CATALOG NUMBER 1952-53



A View of the Campus
DENISON UNIVERSITY
and a portion of the Village of
GRANVILLE - OHIO



Bulletin of

DENISON UNIVERSITY

Granville, Ohio

1952-53



A COLLEGE OF LIBERAL
ARTS AND SCIENCES



Founded 1831

CATALOG NUMBER
October, 1952

Volume LII, No. 5

The Denison University Bulletin is published bi-monthly and entered as second class mail matter at the Post Office at Granville, Ohio, under Act of August 24, 1912.

DENISON UNIVERSITY
LIBRARY
GRANVILLE, OHIO



STATEMENT OF OBJECTIVES

Denison University is a Christian college in the sense that all its instruction is motivated by Christian principles. There is no attempt to force religion into a particular denominational expression and all the advantages of the institution are offered to every student without discrimination.

Denison University is a college of liberal arts and sciences in which the development of the individual takes precedence over all other aims. Consequently the University attempts to aid the student to achieve:

1. An ability to think honestly, clearly, and constructively;
2. A facility in the oral and written use of English, and some familiarity with the treasures of literature;
3. An understanding of the meaning and methods of the main branches of learning;
4. A sufficient concentration in one or two fields of learning so that he may be prepared more adequately for his life work;
5. An interest in the excellent management of his mind and body so that they may become contributing factors in the furtherance of his life aims;
6. An acquaintanceship with all peoples, past and present, thus developing a cosmopolitan attitude of mind;
7. A social outlook and way of living that will lead to mutually satisfying and helpful relations with others;
8. An appreciation of beauty as expressed in the arts;
9. A determination to use his knowledge for human welfare; and
10. A personality developed around Christian principles and ideals.

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CALENDAR

1952-53

1952	1953
JULY	JANUARY
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1952

FIRST SEMESTER

- Freshman Days, Thursday-Tuesday, September 11-16
- Registration Day, Wednesday, September 17
- Classes begin Thursday, September 18
- Thanksgiving Vacation begins Wednesday, November 26, noon
- Thanksgiving Vacation ends Monday, December 1, 8 a.m.
- Pre-registration Day, Saturday, December 13
- Christmas Vacation begins Friday, December 19, noon

1953

- Christmas Vacation ends Monday, January 5, 8 a.m.
- Comprehensive Examination Reading Period, Saturday-Friday, January 10-16
- Comprehensive Examinations for Graduating Seniors, Saturday-Tuesday, January 17-20
- Classes end Tuesday, January 20, 10 p.m.
- Final Examinations, Thursday-Thursday, January 22-29
- First Semester ends Thursday, January 29, 5 p.m.

SECOND SEMESTER

- Registration Day, Monday, February 2
- Classes begin Tuesday, February 3
- Graduate Record Examination, two Saturdays, March 14 and 21
- Spring Vacation begins Friday, March 27, 6 p.m.
- Easter Sunday, April 5
- Spring Vacation ends Tuesday, April 7, 8 a.m.
- Pre-registration Day, Saturday, April 25
- Comprehensive Examination Reading Period, Saturday-Friday, May 16-22
- Comprehensive Examinations, Saturday-Tuesday, May 23-26
- Classes end Tuesday, May 26
- Final Examinations, Thursday-Thursday, May 25-June 4
- Commencement, Monday, June 8

CALENDAR

1953-1954

1953

FIRST SEMESTER
Freshman Days, Sunday-Friday,
September 13-18

Registration Day, Saturday,
September 19

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, Saturday-Friday,
January 16-22

Comprehensive Examinations for
Graduating Seniors, Saturday-
Tuesday, January 23, 25, 26

Classes end Tuesday,
January 26, 10 p.m.

Final Examinations, Thursday-
Thursday, January 28-February 4

First Semester ends Thursday,
February 4, 4:30 p.m.

SECOND SEMESTER

Registration Day, Monday,
February 8

Classes begin Tuesday,
February 9

Spring Vacation begins Friday,
April 9, noon

Good Friday, April 16

Easter Sunday, April 18

Spring Vacation ends Tuesday,
April 20, 8 a.m.

Pre-registration Day, Saturday,
April 24

Comprehensive Examination Reading
Period, Saturday-Friday, May 22-28

Comprehensive Examinations, Saturday-
Tuesday, May 29, 31, June 1

Classes end Tuesday, June 1, 10 p.m.

Final Examinations, Thursday-
Thursday, June 3-10

Commencement, Monday, June 14

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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.

One week of the college year is designated Christian Emphasis Week. During this week students and faculty evaluate the Christian way of life through special chapel programs, class discussions, addresses, and forums with guest speakers.

A regular chapel program is held once each week. This program usually takes the form of a musical service or a worship service 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*, 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 areas of his personal interest. 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, physics, engineering science, education, religion, sociology, and art. 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 building for languages and economics. The building was erected in 1871 and 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, serves as a classroom building for the departments of history and government. It also houses the Student Union. Cleveland Hall, given by friends of the college living in Cleveland, served as the men's gymnasium from the time it was built in 1905 until 1950.

Comprising the Lower Campus group are the Conservatory of Music, Recital Hall, the Doane Gymnasium for Women, Shepardson Commons, and six residence halls for women.

On College Hill east of the chapel are Whisler Memorial Hospital, built in 1929 as a memorial to Helen Arnett Whisler; Colwell House; and four residence halls for 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 AND COMMUNITY CENTER, located just east of Deeds Field, was built in 1949-50. 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; facilities 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 lec-

tures, 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 dormitories as accommodations are desired, or in approved private dwellings in the village.

Women students are accommodated in two groups of dormitories, upperclass 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; and Sawyer Hall, named for Charles Sawyer, an early benefactor of higher education for women. These residence halls accommodate 270 women, all of whom take their meals in Colwell House. A new dormitory to house 125 women is now under construction.

On the Lower Campus freshman and sophomore 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; Parsons Hall, and East Cottage. Meals for the 260 students residing in these halls are served in Shepardson Commons.

Freshmen occupy Curtis Hall, a large dormitory accommodating 190 men students. Dining facilities in Curtis Hall are adequate to care for residents there and those students who live in other dormitories and who do not take 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.

A new dormitory to house 125 men is under construction and will be ready for occupancy in the fall of 1953.

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

In intercollegiate athletics Denison is a member of the Ohio Conference, and its teams participate in football, basketball, baseball, track, tennis, golf, and lacrosse. The men's intramural program in several seasonal sports stresses skills and the competitive spirit, and is campus-wide in its scope. The women have an extensive intramural program and occasionally participate in intercollegiate contests.

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 dormitories 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, calendar,

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 each college-operated dormitory, 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 at the Union, including all-college dances, parties, and picnics.

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. Outstanding students who are designated as Distinguished Military Students by the Professor of Air Science and Tactics (PAST) and the President of the University may be offered a permanent commission in the Regular Air Force.

Freshmen and sophomores between the ages of 14 and 22 years, physically qualified, and acceptable to the 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. During the first semester of the freshman year draft deferment is granted to all AFROTC cadets who are accepted by 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. When such an agreement has been executed, the student's draft board will be so informed and the student will be deferred during his college career as long as his college work is satisfactory.

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 (card at close of this catalog or 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.

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.

COUNSELING PROGRAM

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.

COUNSELING STAFF

The counseling staff includes the deans, the director of vocational services, the university physician, specialists in family life, religion, and psychology; selected faculty counselors, the department chairmen, dormitory 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 personnel work. They meet regularly with the deans in a program of coordination and in-service training.

In the dormitories, junior advisers, selected on a competitive basis, inform the freshmen regarding many phases of college life. The head resident in each dormitory also counsels with the students. Both the head residents and the junior advisers are directly supervised by the Dean of Men and the Dean of Women.

ORIENTATION OF FRESHMEN

The orientation of freshmen, 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.

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, Central Ohio Paper Company, 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; Armco Steel Corporation, Middletown, Ohio; and United Airlines, 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' counseling at Denison is approved by the Veterans' Administration for training given under Public Law 346, known as the G.I. Bill of Rights, and for veterans who are being rehabilitated under Public Law 16. All matters pertaining to veterans are handled by 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. *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 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 Dean of the College, 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 COLLEGE 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 Law 16 or 346 (G.I. Bill), 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	\$300.00
Board	\$220.00
Room	\$90-\$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.

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 college. 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 dormitory 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 \$525 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 DENISON THEATRE ARTS FELLOWSHIP

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 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 A. H. HEISEY COMPANY DESIGN IN GLASSWARE SCHOLARSHIP

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

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

The annual income from this sum is awarded upon the recom-

mentation of the chairman of the Department of English to a junior or senior student definitely planning a career in writing.

THE FRANCES 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 JOHN L. GILPATRICK SCHOLARSHIP (\$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 LAURA F. PLATTS SCHOLARSHIP

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 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.

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 L^oVERNE 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 second 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 (\$2,500)
- THE CHARLES T. LEWIS SCHOLARSHIP FUND (\$5,000)
- THE JOHN 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 (\$122,811)
- 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 DAVID E. GREEN MEMORIAL SCHOLARSHIP FUND (\$3,337)
 THE MASUO S. AND KIYO A. HOSHIDE SCHOLARSHIP FUND (\$760)
 THE FREDERICK P. AND MARY T. BEAVER SCHOLARSHIP FUND (\$49,604)
 THE EDWARD TAYLOR CLISSOLD MEMORIAL SCHOLARSHIP FUND
 (\$3,212)
 THE DORA A. FORSYTHE SCHOLARSHIP FUND (\$9,738)
 THE BLANCHE LEMERT COPELAND SCHOLARSHIP FUND (\$12,925)
 THE LESLIE B. MOSS SCHOLARSHIP FUND (\$25,640)
 THE MORTAR BOARD SCHOLARSHIP FUND (\$600)
 THE CHARLES GARDNER WATERS AND CLARA FERRIS WATERS SCHOLAR-
 SHIP FUND (\$30,036)
 THE MILLARD BRELSFORD MEMORIAL SCHOLARSHIP FUND (\$1,367)
 THE LAVERNE NOYES SCHOLARSHIP FUND (\$35,272)
 THE EMORY W. HUNT SCHOLARSHIP FUND (\$6,538)

GRANTS AND SCHOLARSHIPS FOR MEN

- THE DAVID AND JANE HARPSTER FUND (\$5,000)
 THE MARY ARNOLD STEVENS FUND (\$500)
 THE EUGENIA 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 MARIE THERESA BARNEY SCHOLARSHIP FUND (\$11,000)
 THE JOHN H. HISLOP MEMORIAL SCHOLARSHIP FUND (\$6,100)

GRANTS AND SCHOLARSHIPS FOR WOMEN

- THE KING SCHOLARSHIP ENDOWMENT (\$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 PREMINSTERIAL 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 PENCE HOUCK FUND (\$31,717)
THE WILLIAM HOWARD DOANE SCHOLARSHIP FUND
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, 1952:

THE WALTER LEROY FLORY SCHOLARSHIP

This scholarship was established as a memorial to Walter LeRoy Flory of the Class of 1903 by the Brush Development Company of Cleveland. At the time of his death in 1951 Mr. Flory was chairman of the committee on legal matters of the Denison Board of Trustees. To qualify for aid from this fund a student shall (1) be a member of the junior class who may be expected to be graduated with his class, and (2) be adjudged by the Committee on Scholarships to show great promise of professional success and leadership.

THE JOHN H. HISLOP MEMORIAL SCHOLARSHIP FUND

A gift of \$6,100 from the family of John H. Hislop established a new scholarship fund in memory of an alumnus who was a member of the Denison Board of Trustees at the time of his death. The income from the fund is to be used primarily to aid male students in their education at Denison University. Selection of worthy students is made by the Committee on Scholarships.

THE EMORY W. HUNT SCHOLARSHIP FUND

During the year gifts totaling \$6,538 were received to establish a scholarship fund in memory of Emory W. Hunt, 10th President of Denison who served from 1901 to 1913. The income from this fund shall be used to assist worthy students.

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 \$1,367.

THE LESLIE B. MOSS SCHOLARSHIP FUND

A further gift from the estate of Leslie B. Moss of the Class of 1911 in the amount of \$474 brings the total of this fund to \$25,640.

THE WILLIS A. AND FRANCES W. CHAMBERLIN SCHOLARSHIP

Dr. Willis A. Chamberlin of the Class of 1890, Professor Emeritus of Modern Languages, has added \$500 to this scholarship which now amounts to \$1,500.

THE FREDERICK P. AND MARY T. BEAVER SCHOLARSHIP FUND

A gift of \$4,604 has been received for this fund which now totals \$49,604.

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, 1952:

THE MILLARD BRELSFORD MEMORIAL LOAN FUND

Further gifts from the members of the East Cleveland Baptist Church brings the total of this fund to \$1,367.

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; 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

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 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 SENIOR RESEARCH PRIZE IN ECONOMICS

A prize of \$50 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 \$517 during 1951-52.

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 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.





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 Counseling.) 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. The core 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: Art, Biological Sciences (Botany or Zoology), Business (see Economics), Chemistry, Citizenship (a transdepartmental major in the social studies), Classical Languages, Community Recreation (transdepartmental), Economics, English, 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 (transdepartmental), 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 Core Courses 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 these requirements, 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 (Core Course 11-12 Psychology 211)
 2. Suggested Courses, 6 hours (History 221-222, or Government 211 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 shown to be deficient in English composition (either by a grade lower than C in Core Course 11 or in performance as reported by two or more members of the faculty) shall be referred to the Committee on English Usage and be notified that before graduation he must satisfy the committee that he has met the required standard.

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 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 Dean of the College. 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, a senior may be denied graduation.

Any student who fails to appear for the Graduate Record Examination, unless excused by reason of illness or other emergency, will be required to pay the fee and take the examination at another center. Failure to take the examination will result in a loss of 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 now 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 par-

ticipating 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 Dean of the College.)

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 all 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. 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.)

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.

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 including 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 *Core Courses* because they represent the common core 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.)

COMPOSITION

INTRODUCTION TO COMPOSITION AND LITERATURE 11-12

Miss Shannon,

Director; 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, Director; 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, Director; 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, Director; Mr. H. King, Mr. Wright. Each 2

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

FORMS OF ART 31 Mr. H. King. 2

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

FORMS OF THINKING

MATHEMATICS 40a Mr. Rupp, Director; 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, Director; 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, Director. 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, Director. 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, Director; 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 substitution. 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. C. Larson, Director; 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, *with all other core course requirements as prerequisites.*)

For this course, a student may substitute Philosophy 224 and Religion 101 or such other courses in both departments as are approved as substitutes by the departmental chairmen.

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 Thinking51-52 Life Science *or* 53-54 Physical Science; *or* a year of an introductory course in science including laboratory, *and* a semester of another science*Freshman, Sophomore, or Junior Year (either semester)*

10 Oral Communication

Forms of Fine Arts—Choice of two:

31 Art; 32 Music; 33 Theatre Arts

*Sophomore or Junior Year*71-72 Social Science *or* Economics 211-212, Government 211, *and* Sociology 207*Junior or Senior Year*81-82 Basic Philosophic and Religious Ideas *or* Philosophy 224 *and* Religion 101; *or* other courses in Philosophy and Religion approved by the chairmen of the Departments of Philosophy and Religion.*In Any Year*

6 to 14 hours of Foreign Language (the number of hours depending on previous preparation)

*or**Sophomore, Junior, or Senior Year*211-212 English Literature *or* 231-232 American Literature *and* three additional hours of Literature in the English language, including advanced courses in English *or* Greek Drama *or* Greek *or* Latin Literature.

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 Miss Holm; 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 in one of two sequences:

Sequence I is a social studies major designed to give the student a basic knowledge of human relationships as a background for graduate study in preparation for the ministry, or in a school of social work. (Adviser: Mr. Stephens)

Sequence II is a social studies major designed to prepare the student for family life and community leadership, or for graduate study in a school of social work. (Adviser: Mr. Crist)

Both sequences involve courses in the departments of Economics, Government, History, Philosophy, Psychology, and Sociology, and the transdepartmental course in Critical Issues Facing American Democracy. The second sequence also includes courses in Family Life.

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 PERSONNEL ADMINISTRATION. The major in Personnel Administration is designed to provide training in personnel management methods in business and industry. The course sequence consists of Personnel and Industrial Psychology, group discussion conferences with personnel experts, and field studies in personnel departments of various cooperating organizations. Related studies include courses offered in the departments of Psychology, Economics, Mathematics, Sociology, and Speech. (Adviser: Mr. Lichtenstein.)

TRANSDEPARTMENTAL COURSES

BIOGRAPHY 201

Mr. Dean. 3

The study of a select list of great personalities representing different periods, countries, and careers.

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.)

CITIZENSHIP 400

Mr. Stephens. 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

0

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

TYPING 2

0

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

AIR SCIENCE AND TACTICS

Col. Kiefer, Chairman; Capt. Jones, Sgt. Woodling, Sgt. Hoover

Satisfactory completion of outlined courses will make the student eligible for a commission in the United States Air Force Reserve. Distinguished students may earn a permanent appointment in the Regular U. S. Air Force.

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.)

101-102. BASIC AIR SCIENCE

Staff. 1

World political geography, leadership, drill and exercise of command. Cadets successfully completing 101 and 102 will be given additional credit of one hour in Geography 161 and 162.

201-202. BASIC AIR SCIENCE

Staff. 1

Organization for the defense of the United States, maps, aerial photographs, aerial navigation, meteorology, aerodynamics and propulsion, applied air power, personal maintenance and leadership, drill and exercise of command. Prerequisite: 101-102 or equivalent.

301-302. ADVANCED AIR SCIENCE

Staff. 3

Air operations, supply procedures, military publications, leadership, drill, exercise of command.

(a) Flight operations career option: (Air crew candidates only) major commands of USAF, principles of flight, maintenance engineering, instruments, navigation, meteorology. (Not offered in 1952-53.)

(b) Administration-logistics career option: (Administrative personnel only) Air Force administration, Air Force transportation, supply.

Prerequisite: basic course or equivalent and approval of the PAST.

401-402. ADVANCED AIR SCIENCE

Staff. 3

Air Force inspection systems, military teaching methods, personnel management, leadership, drill, exercise of command.

(a) Flight operations career option: Continuation of 301-302a. Prerequisite, 301-302a. (Not offered in 1952-53.)

(b) Administration-logistics career option: Administration of personnel, air controller, analyses of problem situation. Prerequisite: 301-302b. (Not offered in 1952-53.)

ART

Mr. Horace King, Chairman; Miss Lee (on leave); 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, and 211-212 or a choice of either 213-214 or 215-216.

Core Course 31-32-33 serves as an introduction to art appreciation but does not count toward a major in Art.

101-102. ART THEORY

Staff. 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

Staff. 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.
- 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 Mr. Johannesen. 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 Staff. 2
Spring vacation field trip to metropolitan museums, galleries, and other art centers, preceded by study of collections and followed by written reports. Consent of instructor.
150. HOMEPLANNING Mr. King. 2
Illustrated lectures covering problems of planning and equipping the home.
- 205-206. HISTORY OF ART Staff. 3
General survey of the Arts of the Western World. Primitive, Ancient, and Medieval (first semester); Renaissance, Baroque, and Modern (second semester).
- 211-212. ADVANCED ART PROBLEMS Mr. King. 2
Studio practice in advanced perspective, construction drawing, and form problems in three dimensions. Prerequisite: 111-112.
- 213-214. WATER COLOR PAINTING Mr. Johannesen. 2
Prerequisites: 112 and 114.
- 215-216. OIL PAINTING Staff. 2
Prerequisites: 112 and 114.
- 221-222. TECHNICAL PROBLEMS Staff. 2
Choice of an individual problem from the following: Sculpture, industrial design, painting, photography, and commercial art (first semester). Continuation of the study or selection of another problem (second semester). Prerequisites: 112 and 114.
305. HISTORY OF CLASSIC ART Mr. Dean. 3
Prerequisite: 205 or consent of instructor.

306. HISTORY OF MEDIEVAL ART Mr. Dean. 3
Prerequisite: 205 or consent of instructor.
- 313-314. INTERMEDIATE WATER COLOR Mr. Johannesen. 2
Prerequisite: 214.
- 315-316. INTERMEDIATE OIL PAINTING Staff. 2
Prerequisite: 216.
- 321-322. INTERMEDIATE TECHNICAL PROBLEMS Staff. 2
Prerequisite: 222.
- 361-362. DIRECTED STUDY IN ART Staff. 3
405. RENAISSANCE ART Mr. Dean. 3
Prerequisite: 206 or consent of instructor.
- 407-408. MODERN ART HISTORY Mr. Johannesen. 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 Mr. Johannesen. 2
Prerequisite: 314.
- 415-416. ADVANCED OIL PAINTING Staff. 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

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

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| 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; Mr. Morgan, 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. Core Course 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.

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| 111-112. INTRODUCTORY BIOLOGY | Staff. 4 |
| General biological principles and animal life, with a limited amount of plant study. | |
| 113-114. NATURE STUDY | Mr. Alrutz. 2-3 |
| Local plants and animals based chiefly on the material collected by the student. | |
| 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 Core 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 Core Course 51-52.
215. BACTERIOLOGY Mr. Truman. 5
Introductory course emphasizing the practical work of the laboratory in culturing and identifying micro-organisms. Prerequisite: 111-112, Core 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.
- 221-222. PARASITOLOGY 4
A study of the common parasites of animals with special emphasis on those affecting man. Prerequisite: 111-112 or Core Course 51-52. (Not offered in 1952-53.)
223. HISTOLOGY Mr. Lindsey. 5
The minute anatomy of vertebrates, chiefly mammals, including the making of microscopic preparations. Prerequisite: 111-112, or Core 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 Core 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 Core 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 (on leave); Mr. Everhart, Acting Chairman;
 Mr. Traynham, 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 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, 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. 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.

215AB. ANALYTICAL CHEMISTRY Mr. Brown. 4

A. A study of colloidal systems, the laws of solution and equilibrium of electrolytes and non-electrolytes. Intensive drill on problems dealing with equilibrium and solubility product. One-half of semester. Two credit hours.

B. Quantitative Analysis. Second-half of semester. Two credit hours. (See Chemistry 216). Prerequisites: Chemistry 112 with a proficiency grade and consent of instructor; Mathematics 40a.

216. QUANTITATIVE ANALYSIS

Mr. Brown. 4

Designed for students who need considerable work in quantitative analysis. Prerequisite: Chemistry 215AB.

311-312. THEORETICAL CHEMISTRY

Mr. Ronneberg. 4

Full and mathematical treatment of fundamental theories underlying the science of chemistry. Prerequisites: 214; 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. Traynham. 4

The chemistry of aliphatic, aromatic, and heterocyclic compounds. Prerequisite: 112.

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. Traynham. 3

The methods of qualitative organic analysis and quantitative analysis for carbon, hydrogen, and nitrogen on a semi-micro scale. Prerequisites: 312, 324.

417. ADVANCED INORGANIC CHEMISTRY

Staff. 3

The systematic study of inorganic compounds with laboratory work. 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, organic combustions, electro-deposition, 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. 3

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. Dean, Chairman

MAJOR IN CLASSICAL LANGUAGES OR CIVILIZATION

A major in Classical Languages may be obtained by completing 18 semester-hours of credit in language courses and six hours in other courses given by the instructor.

A major in Classical Civilization *with no requirements in the use of Greek or Latin languages* may be obtained by completing 24 hours from the following courses: Greek 101, 201, 203, 204; Latin 104, 206; Art 205, 305; Philosophy 331; Religion 111; and Education 216.

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. | |
| LATIN 104. ROMAN CIVILIZATION | 2 |
| Structure of Roman customs and institutions as a legacy to the modern world. | |
| GREEK 201. GREEK DRAMA | 2 |
| Fifteen plays, tragedies, and comedies are read and discussed. Alternates with 203. (Offered in 1953-54.) | |
| GREEK 203. GREEK LITERATURE IN ENGLISH | 2 |
| Cross-section of the varied forms of literary expression, exclusive of drama. Alternates with 201. | |
| GREEK 204. MYTHOLOGY-RELIGION | 2 |
| A survey of the principal myths and a study of their use in European and American Literature and Art. (Offered in 1953-54.) | |
| LATIN 206. LATIN LITERATURE IN ENGLISH | 2 |
| Selections from the leading writers. Alternates with Greek 204. | |
| 361-362. DIRECTED STUDY IN CLASSICAL CIVILIZATION | 3 |
| 461-462. INDIVIDUAL WORK FOR HONORS | 3 |

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.
102. VIRGIL 3
Selections from the first six books of the *Aeneid*. Prerequisite: Three years of high school Latin.
- 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. (Offered in 1952-53 and in alternate years.)
212. PLINY AND ROMAN HISTORIANS 3
Letters and essays. (Offered in 1952-53 and in alternate years.)
- 311-312. VIRGIL 3
A study of all the poems of Virgil. (Offered in 1953-54.)
- LATIN 206. LATIN LITERATURE IN ENGLISH 2
Selections from the leading writers. Alternates with Greek 204.
- 361-362. DIRECTED STUDY IN CLASSICAL CIVILIZATION 3
- 461-462. INDIVIDUAL WORK FOR HONORS 3

ECONOMICS

Mr. Gordon, Chairman; Mr. Lehman, Mr. Nelson, Mr. Cool, Mr. Atlee, Mr. Alford

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: Core Course 40a, Mathematics 108, and History 121-122.

A major in Economics should register for as many as possible of the following related courses (the minimum number of semester-hours to be taken in this group is 24): Geography 221, 226; Government 211, 312; Mathematics 205-206; Core Course 40b; Philosophy 321, 326; Psychology 211, 320, 417; Sociology 207, 208, 415, and Core Course 10 or Speech 221. 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 Core Courses 40a, History 121-122, and Mathematics 108 in the freshman year.

A business major should register for as many as possible of the following related courses (the minimum number of hours to be taken in this group is 24): Geography 221, 226; Government 211, 231-232; Mathematics 205-206; Philosophy 321, 326; Psychology 211, 320, 417; Sociology 207, 415, and Speech 221 or Core Course 10.

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 **Mr. Cook. 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 **Mr. Cook. 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 Core Course 71-72.

314. PRINCIPLES OF MARKETING **Mr. Cook. 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 Core Course 71-72.

315. MONEY AND BANKING **Mr. Lehman. 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 Core Course 71-72.

316. CORPORATE ORGANIZATION AND FINANCE **Staff. 3**

Principles underlying the promotion, organization, financial structure, control, failure, and reorganization of corporate enterprise. Prerequisites: 211-212, or Core Course 71-72. It is highly desirable that students registering for this course shall also have had 223-224.

317-318. LABOR ECONOMICS

Mr. Gordon. 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 Core Course 71-72.

332. ECONOMICS FOR CONSUMERS

Mr. Gordon. 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. (Offered each semester.)

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 Core Course 71-72.

413. RECENT DEVELOPMENTS IN ECONOMIC THOUGHT

Mr. Gordon. 2

Based on readings in current economic journals. Consent of instructor.

414. SEMINAR

Mr. Gordon. 2

Introduction to principles and methods of research. Consent of instructor.

419. PRINCIPLES OF INSURANCE

Staff. 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. Alford. 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 Staff. 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.
440. WASHINGTON FIELD TRIP Mr. Gordon. 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. Cook. 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. Hawes, Chairman (on leave); Mr. Major, Mr. Schaff, Mrs. Jones, Mrs. Stark

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 Education and Health* may be obtained by both men (see Physical Education for Men) and women (see Physical Education for Women) on completion of the required courses of these curricula. A student registering for courses in Education must obtain at least a 30 percentile rating on the Ohio State University Psychological Test 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 chairman of the Department of Education as early as possible in order to receive advice on planning an effective four-year schedule.

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.

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|---|-------------|---|
| 211. INTRODUCTION TO SCHOOL MANAGEMENT
Open to freshmen with consent of instructor. | Mr. Hawes. | 3 |
| 215. HISTORY OF EDUCATION IN THE UNITED STATES | Mrs. Stark. | 3 |
| 216. HISTORY OF EDUCATION
Open to freshmen with consent of instructor. | Mrs. Stark. | 3 |
| 309. EDUCATIONAL SOCIOLOGY | Mr. Schaff. | 3 |
| 311. THE TEACHING OF SCIENCE
Prerequisites: Education 321, Psychology 211. | Mr. Hawes. | 3 |
| 315. METHODS OF MUSIC FOR THE ELEMENTARY SCHOOLS
Prerequisites: Education 321, Psychology 211. Alternates with 316. | Mr. Alley. | 3 |
| 316. METHODS OF TEACHING MUSIC IN THE HIGH SCHOOL
Prerequisites: Education 321, Psychology 211. Alternates with 315. | Mr. Alley. | 3 |
| 320. THE TEACHING OF SOCIAL STUDIES
Prerequisites: Education 321, Psychology 211. | Mr. Schaff. | 3 |
| 321. EDUCATIONAL PSYCHOLOGY
Application of the principles of growth and learning to education. Prerequisite: Psychology 211 or Core Course 51-52. | Mr. Major. | 3 |
| 322. EDUCATIONAL GUIDANCE
Specific practices to prospective teachers of the secondary schools whether they become administrators, counselors, supervisors, or other members of the school staff. | Mr. Schaff. | 3 |
| 325. EVALUATION OF TEACHING
Construction and use of tests; selection of standard tests; and interpretation of test results. | Mr. Major. | 3 |
| 326. THE TEACHING OF GENERAL METHODS IN HIGH SCHOOL
Prerequisites: Education 321, Psychology 211. | Mr. Major. | 3 |

331. THE TEACHING OF ENGLISH Miss Lewis. 3
Prerequisites: Education 321, Psychology 211.
333. THE TEACHING OF LATIN Mr. Dean. 2-3
Prerequisites: Education 321, Psychology 211. (Offered in 1952-53.)
335. THE TEACHING OF MATHEMATICS Mr. Schaff. 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. (Offered in 1952-53.)
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, Miss Denham. 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 Denham. 2
Prerequisites: Education 321, Psychology 211.
401. METHODS OF STUDY Mr. Schaff. 1
Prerequisites: Education 321, Psychology 211.
402. PROFESSIONAL READINGS Mr. Schaff. 1-4
- 409-410. SEMINAR IN MUSIC EDUCATION Mr. Alley. 1
Required of students doing practice-teaching in music.
412. PRINCIPLES OF SECONDARY EDUCATION Mrs. Jones. 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. Hawes. 3
Prerequisite: 15 hours in Education.

- 415-416. STUDENT TEACHING Mr. Hawes, 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

Mr. Kato, Acting Chairman; Mr. Ladner

A student interested in Engineering should major in Mathematics or one of the physical sciences, his choice depending upon the branch of engineering he wishes to enter. Pre-engineering credits earned at Denison are accepted by engineering schools. (See Combined Arts-Professional Courses.)

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

101. STATISTICAL GRAPHICS Mr. Ladner. 2
 Use of instruments, lettering, and tracing; construction of different types of charts and graphs used in statistical work. Not restricted to engineering students.
111. ENGINEERING DRAFTING Mr. Ladner. 2-3
 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. Ladner. 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. Ladner. 2
 Elementary design and working drawings. Prerequisite: 111.
122. ELEMENTARY SURVEYING Mr. Ladner. 4
 Fundamental methods; use of tapes, level, and transit; land surveying; areas and plotting; field problems. Two class and two laboratory periods each week. Prerequisites: 111 and trigonometry.

311-312. TECHNICAL MECHANICS

Mr. Ladner. 3

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

314. MECHANICS OF MATERIALS

Mr. Ladner. 5

Engineering materials and their reactions to applied loads, including stress, strain, tension, compression, shear, torsion, and flexure. Prerequisite: 311.

324. ENGINEERING INSPECTION TRIP

Mr. Ladner. 2

Visits are made to industrial plants such as steel, cement, etc., and to the sites of engineering structures, particularly those studied in different courses. Consent of instructor. Spring vacation. (Offered in 1952-53 and in alternate years.)

ENGLISH

Mr. J. L. King, Chairman; Mr. Shumaker, Mr. Mahood, Miss Shannon, Mr. Downs, Mr. Coffin, Mr. Bennett, Mr. Arnold (on leave), Miss Lewis (on leave), Mr. Leach

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.

Core 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 Core 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. Leach. 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.
324. THE ROMANTIC MOVEMENT IN ENGLAND Mr. King. 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 Miss Shannon. 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. ENGLISH PROSE OF THE 18TH CENTURY Mr. Shumaker. 2
A study of Defoe, Swift, Addison, Steele, Johnson, and others.
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.
- 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 150, Biology 113-114, 224, 225, and 226, Chemistry 109-110, Economics 332, English 215-216, Geography 221, Government 211 and 212, Philosophy 321 and 326, Physical Education 201, 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 inter-personal relationships within the family. Prerequisite: 211 or consent of instructor.

GEOLOGY AND GEOGRAPHY

Mr. Mahard, Chairman; Mr. Atwell

MAJOR IN GEOLOGY

A student majoring in Geology is expected to take Geology 111, 112, Geography 221, 226, Geology 311, 312, 320, 400, 411-412. In addition a minimum of 30 semester-hours is required in Mathematics, Chemistry, Physics, and Engineering Science.

MAJOR IN GEOGRAPHY

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

- GEOLOGY 111. PHYSICAL GEOLOGY** Mr. Mahard. 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. Mahard. 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.
- 161-162. ELEMENTARY POLITICAL GEOGRAPHY** Mr. Atwell. 1
 Open to men enrolling in Air Science and Tactics 101-102.
- 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** 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 1952-53 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 1953-54 and in alternate years.)
- GEOLOGY 311. STRUCTURAL GEOLOGY** Mr. Mahard. 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** Mr. Mahard. 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** Mr. Mahard. 2
 A spring vacation automobile trip across the physiographic provinces of Eastern United States. A complete section through the Ap-

palachian 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 Mr. Mohard. 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 Mr. Mahard. 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.

GEOGRAPHY 421-422. DIRECTED STUDIES Mr. Mahard. 2-4

Readings in geography selected to enhance students' geographic comprehension.

GEOLOGY OR GEOGRAPHY 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. 4

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

A study of the nature, formation, expression, and role of public opinion and its effect on political processes.

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 deals with the constitutional status of states in the Union, their internal structure, and services. The county and municipality are examined in the light of present trends toward centralization with special attention given to Ohio.

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.

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. 5
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. 3
Analysis of leading books and articles in the field of government.
425. CONSTITUTIONAL LAW Mr. Morrow. 5
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. Seager, Mr. Lattimer

MAJOR IN HISTORY

A minimum of 24 semester-hours of credit is required for a major. Core Course 21-22, which counts as credit, and History 121-122 or 221-222 are basic for prospective majors, whose sequence of courses will be determined in consultation with an adviser in the department; 411-412 is required of senior majors. By the beginning of the junior 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 Mr. Lattimer,
Mr. Seager. 3
Offered primarily for majors in Economics but open to others by consent of instructor.
- 213-214. HISTORY OF ENGLAND Mr. Southgate. 3
Emphasis on the period from 1066 to the eve of the 19th century. Alternates with 349-350. (Offered in 1953-54.)
- 221-222. HISTORY OF THE UNITED STATES SINCE 1763 Mr. Utter. 3
Not open for credit to students who have credit for 121-122.
- 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. Emphasis is placed on their contacts with the West. Alternates with 325-326.

- 311-312. EUROPE SINCE 1914 Mr. Pollock. 3
 European history, political and diplomatic, since the eve of World War I. Consent of instructor. Alternates with 319-320.
315. SURVEY OF RUSSIAN HISTORY Mr. Lattimer. 3
 Emphasis on Revolution of 1917 and resultant Soviet Regime. Prerequisite: Core Course 21-22 or consent of instructor.
- 319-320. EUROPE IN THE 19th CENTURY Mr. Pollock. 3
 A survey of forces which have shaped modern European history, 1759-1914. Alternates with 311-312. (Offered in 1953-54.)
324. THE AMERICAN FRONTIER Mr. Utter. 3
 The frontier in American economic, political, and cultural development. Prerequisite: 121-122 or 221-222 or consent of instructor.
- 325-326. LATIN-AMERICAN HISTORY Mr. Stratton. 3
 From colonial times to the present. (Offered in 1953-54.)
327. HISTORY OF AMERICAN DIPLOMACY TO 1900 Mr. Utter. 3
342. THE UNITED STATES AS A WORLD POWER Mr. Lattimer. 3
 Emphasis on diplomatic relations since 1900.
- 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: Core Course 21-22.
- 361-362. DIRECTED STUDY IN HISTORY Staff. 3
- 411-412. HISTORIOGRAPHY Mr. Utter. 2
 Introductory course in historical method.
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

MATHEMATICS

Mr. Kato, Chairman; Mr. Rupp, Miss Wetzel, Mr. Ladner,
 Miss Carpenter

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) Core 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

Core Course 40a serves as an introduction to mathematical analysis.

116. ELEMENTARY MATHEMATICAL ANALYSIS Staff. 4

Continuation of Core 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 Miss Carpenter. 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. 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. Kato. 5

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

321-322. ADVANCED ANALYSIS 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 Miss Wetzel. 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 Miss Wetzel. 3

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

Non-Sequence Courses

108. MATHEMATICS OF FINANCE Miss Carpenter. 3

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

203. SOCIAL STATISTICS Miss Wetzel. 3

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

205-206. ECONOMIC STATISTICS Miss Carpenter. 3

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

332. COLLEGE ALGEBRA Mr. Rupp. 3

Mathematical induction, determinants and selected topics from the theory of equations. Consent of instructor. Alternates with 336.

336. COLLEGE GEOMETRY Mr. Rupp. 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. 3453. VECTOR ANALYSIS WITH INTRODUCTION TO TENSOR ANALYSIS Mr. Kato. 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, Miss Holm,
Mr. Preston, Mr. Steele, Mr. Stabler

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

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.
218. 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.
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

Miss Holm, Mr. Steele, Mr. Preston

- 101-102. AREA STUDY: LATIN AMERICA Miss Holm. 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. Steele. 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 Miss Holm. 2
Letters and forms used in business. Prerequisite: 211-212 or equivalent.
314. ADVANCED CONVERSATION Miss Holm. 2
Composition as needed. Prerequisite: 213-214, or 211-212 or consent of instructor.
317. DRAMA OF THE GOLDEN AGE Miss Holm. 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 Miss Holm. 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 Miss Holm. 3
 Beginning with the Neo-Classic 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 Miss Holm. 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 Miss Holm. 3
 (Offered in 1953-54.)
- 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

MUSIC

Mr. Eschman, Chairman; Mr. Stark, Mr. H. Larson, Miss Haury, Mr. Gelfer,
 Mr. Ravnan, 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.)

Core 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. Geller, Mr. Ravnan, 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. Geller. 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. (Offered in 1953-54.)
202. HISTORY OF MUSIC FROM THE 18th CENTURY TO THE PRESENT TIME Mr. Stark. 3
 (Offered in 1953-54.)
- 203-204. CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING
 Mr. Eschman, Mr. Larson, Mr. Geller, Mr. Ravnan, 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. 2
 Alternates with 305-306. (Offered in 1953-54.)
305. ORCHESTRATION Mr. Alley. 1
 Alternates with 303.
306. SCORING FOR BAND Mr. Alley. 1
 Prerequisite: 305. Alternates with 304.

- 311-312. MUSICAL FORM Mr. Eschman. 2
 Analysis of the principal instrumental forms. Alternates with 201-202.

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 Core Course 40b. Required of majors in Philosophy.

224. 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.

321. ETHICS FOR TODAY Mr. Titus. 3
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.

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. 3
Outline or survey of modern social philosophies. (See 323-324 for content.) Prerequisite: 321 or consent of instructor.

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 consent of instructor.
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 1952-53 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 1952-53 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 FOR MEN

Mr. Jenkins, Acting Chairman; Mr. Carl, Mr. Piper, Mr. Loehnert, Mr. Meyer

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

MAJOR IN PHYSICAL EDUCATION FOR MEN

A major sequence requires 46 semester-hours of credit including Biology 201-202, Education 326, and elective courses in Psychology. A student completing all the courses is qualified for a position as

supervisor and special teacher of health and physical education in high schools, providing he has the necessary credits in Education. A minor requires 24 semester-hours of credit. The minimum requirements in Education are stipulated by the State Department of Education for all high school teachers to qualify for the State Provisional Special Certificate in Physical Education.

REQUIRED COURSES

111-112. FOR FRESHMEN

Staff. 1

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

ELECTIVE COURSES

Minimum requirements for the special certificate valid for service in Ohio schools, grades 7 to 12 inclusive, shall consist of 24 semester-hours.

The minimum requirements for a special certificate valid for service in grades 1 to 12 inclusive shall consist of the following pattern of training:

Group I

ACTIVITIES, SKILLS, AND METHODS FOR JUNIOR AND SENIOR HIGH SCHOOLS

Mr. Jenkins. 4

Activities, skills, and methods of teaching rhythms, games of low organization, stunts, tumbling, apparatus, and recreational group activities for junior and senior high schools. Prerequisites: Psychology 211, Education 321. (See Education 352.)

ACTIVITIES, SKILLS, AND METHODS FOR ELEMENTARY SCHOOLS

Mr. Jenkins. 4

Activities, skills, and methods of teaching rhythms, games of low organization, stunts, tumbling, apparatus, and recreational group activities for elementary schools. Prerequisites: Psychology 211, Education 321. (See Education 351.)

Group II

334. PRINCIPLES OF SCHOOL HEALTH Miss Shepard. 3
Principles, organization, and administration of school health education including school and community relationships.
434. PRINCIPLES OF PHYSICAL EDUCATION Miss Shepard. 3
Principles, organization, and administration of physical education.

Group III

126. MINOR ORGANIZED SPORTS Mr. Carl. 2
Activities, skills, and methods of teaching tennis, soccer, speedball, volleyball, and touch football.
225. MAJOR ORGANIZED SPORTS Mr. Loehner, Mr. Piper. 2
Activities, skills, and methods of teaching football and basketball.
Prerequisite: 111-112.
226. MAJOR ORGANIZED SPORTS Mr. Carl, Mr. Piper. 2
Activities, skills, and methods of teaching track and baseball.
Prerequisite: 111-112.

Group IV

- TEACHING OF HEALTH EDUCATION 3
Methods and materials for the teaching of health in elementary and secondary schools. (See Education 445.)

Group V

201. SEX HYGIENE Dr. Williams. 1
341. ATHLETIC INJURIES AND FIRST AID Mr. Piper. 2
Prerequisite: Biology 201-202.
- 347-348. PERSONAL AND GENERAL HYGIENE Mr. Meyer. 3
Health and hygiene, including personal health and living, community health, mental hygiene, social hygiene, foods and nutrition, sanitation, disease control, health counseling. Prerequisite: Consent of instructor.

Group VI

- HUMAN ANATOMY AND PHYSIOLOGY
(See Biology 201-202.)
443. PHYSIOLOGY OF EXERCISE AND KINESIOLOGY Mr. Meyer. 2
Prerequisite: Biology 201-202.

Group VII

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

Group VIII

128. OUTDOOR AND SAFETY EDUCATION Mr. Piper. 2
 Camping, outdoor education, safety, and driver education and training.
- ELECTIVE COURSE IN PSYCHOLOGY OR EDUCATION 3-4
 Adviser: Mr. Major, Department of Education.

PHYSICAL EDUCATION FOR WOMEN

Miss Shepard, Chairman; Miss Denham, Miss Butterweck, Miss Ross

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.

REQUIRED COURSES

- 111-112. FOR FRESHMEN Staff. 1
 Elective work from activities listed: archery, badminton, basketball, bowling, folk dancing, modern dance, golf, hockey, horseback riding, 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 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, camping, 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 valid for teaching in Ohio schools (grades 7-12) include Physical Education 119, 321-322, 347, 434, and 444, Education 351, 352, and 445 and Biology 201-202 (28 semester-hours).

Minimum requirements for the State Provisional Special Certificate valid for teaching in Ohio schools (grades 1-12) include, in addition to the above, Physical Education 119, 128, 305-306, 321-322, 334, 347-348, 434, and 443-444; Education 351, 352, 353, and 445; and Biology 201-202 (46 semester-hours). Upon completion of these required courses a student will receive the degree of *Bachelor of Science in Education* (Physical Education).

Group I

334. PRINCIPLES OF SCHOOL HEALTH Miss Shepard. 3
Principles, organization, and administration of school health education including school and community relationships.
434. PRINCIPLES OF PHYSICAL EDUCATION Miss Shepard. 3
Principles, organization, and administration of physical education.
315. INTRODUCTION TO COMMUNITY RECREATION Miss Shepard. 3
An introductory course in the principles, organization, and administration of community recreation.

Group II

- METHODS (Elementary Schools) Mr. Jenkins, Miss Denham. 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. Jenkins, Miss Ross. 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) Staff. 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

- 321-322. TECHNIQUES OF SPORTS 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

- TEACHING OF HEALTH EDUCATION 3
 Methods and materials for the teaching of health in elementary and secondary schools. (See Education 445.)

Group V

119. FIRST AID Miss Butterweck. 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 Dr. Williams. 1

- 347-348. PERSONAL AND GENERAL HYGIENE Mr. Meyer. 3
 Health and hygiene, including personal health and living, community health, mental hygiene, social hygiene, foods and nutrition, sanitation, disease control, health counseling. Prerequisite: Consent of instructor.

Group VI

- HUMAN ANATOMY AND PHYSIOLOGY
 (See Biology 201-202.)

443. PHYSIOLOGY OF EXERCISE AND KINESIOLOGY Mr. Meyer. 2
 Prerequisite: Biology 201-202.

Group VII

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

Group VIII

128. OUTDOOR AND SAFETY EDUCATION Mr. Piper. 2
 Camping, outdoor education, safety and driver education and training.

224. **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.

305-306. **BEGINNING COMPOSITION FOR DANCE** Miss Denham. 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** Miss Denham. 3

Historical and philosophical concepts.

PHYSICS

Mr. Smith, Chairman; Mr. Howe, Mr. Wheeler

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 Core Course 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, mathe-

matics, 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). Designed for engineering and science students. Prerequisites: 121-122, and Core Course 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 1952-53 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 1952-53 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; Mr. Carter, Mr. Gawain, 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 Mathematics 203, and Core Courses 40b and 51-52.

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 Core Course 40a, Mathematics 116, Physics 121-122 and 211-212.

Psychology 211 is prerequisite to all other credit courses in the department.

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 1952-53.)
93. PLACEMENT TECHNIQUES 0
 Discussion of techniques of job hunting and placement interviewing. (Not offered in 1952-53.)
211. GENERAL PSYCHOLOGY Staff. 3
 Introduction to the general nature and principles of behavior. (Offered each semester.)
217. DEVELOPMENTAL PSYCHOLOGY Mr. Carter. 4
 Psychological development especially during early periods of growth. (Offered each semester.)
226. PROBLEMS IN PERSONALITY 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 Mr. Bishop. 3
 A consideration of the psychological principles and procedures in effective personnel management, with special reference to business and industry.
338. SOCIAL PSYCHOLOGY Mr. Gawain. 3
 Individual behavior as it is influenced by cultural forces.
342. PSYCHOLOGICAL TESTS AND MEASUREMENTS Mr. Bishop. 3
 Theory and application of individual and group testing.
- 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. Prerequisite: 226.

412. SYSTEMATIC PSYCHOLOGY Mr. Lichtenstein. 3
A study of the schools of psychological thought and theory. Prerequisite: 315-316.
417. INDUSTRIAL PSYCHOLOGY Mr. Bishop. 3
Psychological principles and methods as they contribute to the solution of industrial problems. Prerequisites: 320, 342; Mathematics 203.
420. INDUSTRIAL COUNSELING 3
Psychological principles and techniques of personnel counseling in industrial relations. (Not offered in 1952-53.)
- 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.

101. INTRODUCTION TO RELIGION 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. (This course with Philosophy 224 fulfills the requirement for Core 81-82.)

111. INTRODUCTION TO HEBREW RELIGION Mr. Kruener. 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. Kruener. 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 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
Theories of the origin of religion; examination of the major religions of the world other than Judaism and Christianity.
218. CONTEMPORARY RELIGIOUS MOVEMENTS 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.
308. RELIGION AND SCIENCE Mr. Larson. 3
A study of the impact of certain scientific viewpoints upon modern religious values; 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; Miss Wiesender

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: Core Course 10, Economics 317-318, 332; Family Life 211; Geography 226; Government 211, 312, 315; Mathematics 203; Philosophy 321, 326; Physical Education for Women 315; Psychology 211, 338; and Religion 213-214.

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 and Economics 211-212 rather than Core Course 71-72. It is recommended that Sociology 207 be taken in the sophomore year.

Core Course 71-72 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

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

Mr. Mitchell. 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 SOCIOLOGY Miss Wiesender. 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 Miss Wiesender. 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.
- 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

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 Core 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. Green. 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.*
212. ELEMENTS OF SPEECH Staff. 3
Continuation of Core 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: Core 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 rehearsal 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. Green. 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 Core 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 Core 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. 2-3
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 Guilman 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.

AUDUN RAVNAN

Instructor in Music

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, Guilman, 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 ad-

vanced 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.

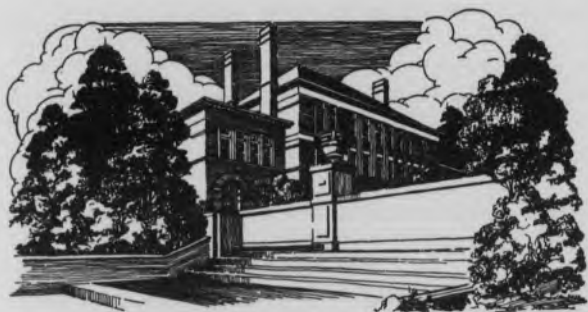
THE CHORAL ENSEMBLE has sung Handel's *Messiah* at the Christmas season annually since 1905, and other choral works in the annual Spring Festival. In recent years 250 or more voices have sung Verdi's *La Traviata*, Bach's *Passion According to St. Matthew*, Gluck's *Orpheus*, Schubert's *Mass in E flat Major*, Bizet's *Carmen*, Mozart's *Requiem*, and Verdi's *Manzoni 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.



DOANE ADMINISTRATION BUILDING

BOARD OF TRUSTEES

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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, 1953

*GERALD B. ATHEY, B.S. (Elected by Alumni)

3347 North Lake Drive, Milwaukee 11, Wis.

EDMUND G. BURKE

153 Pierrepont Street, Brooklyn 2, N. Y.

*Alumnus of Denison University

- *LORENA WOODROW BURKE (Mrs. Charles F.), Ph.B.
375 Riverside Drive, New York, N. Y.
- *ALFRED M. COLBY, Ph.B. 781 Woodland Road, Mansfield, Ohio
- 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.
- *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.
- *DON E. WEAVER, Ph.B. (Elected by Alumni)
Editor, The Columbus Citizen, Columbus 15, Ohio
- *PERCY L. WILTSEE, A.B. 3547 Raymar Drive, Cincinnati 8, Ohio
- *JOHN E. F. WOOD, A.B., LL.B., B.A. in Jur.
31 Nassau Street, New York, N. Y.

CLASS II—TERM EXPIRES JUNE, 1954

- *ERNEST C. BRELSFORD, B.S. (Elected by Alumni)
23555 Euclid Avenue, Cleveland 17, Ohio
- WILLIAM R. BURWELL, D.Sc., LL.D.
3311 Perkins Avenue, Cleveland 14, Ohio
- *ROBERT W. ENGLEHART, Ph.B., LL.B.,
2177 East Milwaukee Avenue, Detroit 11, Mich.
- 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

*Alumnus of Denison University

- *C. EARL RICHARDS, Ph.B., S.B. 400 South Front Street, 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 III—TERM EXPIRES JUNE, 1955

- *LAWRENCE E. BALDWIN, Ph.B., M.A. (Elected by Alumni)
 228 Baynes Street, Buffalo 13, 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., C.D.L., 2000 Terminal Tower, Cleveland 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. KRUENER, A.B., B.D. Pastor, First Baptist Church,
 Granville, Ohio
- FRANKLIN G. SMITH, LL.D.,
 13700 Shaker Blvd., Cleveland 20, Ohio
- FRANK FLAGG TAYLOR
 Continental Illinois National Bank and Trust Co.,
 231 South LaSalle Street, Chicago, Ill.
- *FORD R. WEBER, B.S. 410 Madison Avenue, Toledo 4, Ohio

TRUSTEES—EMERITUS

- *FRANK B. AMOS, A.B., 1934-1950
 The Jeffersonian Company, Cambridge, 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, 1937-49; 1951— *Instructor in Theatre Arts*
B.A., Denison; M.A., Columbia.
- JOHN W. ALFORD, 1949— *Part-time Instructor in Economics*
A.B., DePauw.
- 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.
- *O. MCNEILL ARNOLD, 1946— *Instructor in English*
A.B., Denison; M.A., Columbia.
- JOHN S. ATLEE, 1952— *Instructor in Economics*
B.S., Chicago.
- DONALD L. ATWELL, 1952— *Instructor in Geography*
B.A., Denison; M.A., Clark.
- 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.
- 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.

*Absent on Military leave, 1951-53.

- 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; Ph.D., Northwestern.
- GRACE BUTTERWECK, 1951— *Instructor in Physical Education*
B.A., Ohio Wesleyan; M.S. in Phys. Ed., Smith.
- JACK R. CARL, 1949— *Assistant Professor of Physical Education*
A.B., Denison; M.S., Indiana.
- DOROTHY CARPENTER, 1946— *Instructor in Mathematics*
A.B., Ashland; M.A., Michigan.
- ROBERT S. CARTER, 1949— *Associate Professor of Psychology*
and Director of Vocational Services
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.
- TRISTRAM 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.
- JAY D. COOK, JR., 1948— *Assistant Professor of Economics*
B.A., Washington and Lee; M.B.A., Pennsylvania.
- JOHN R. CRIST, 1952— *Assistant 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—
Eliam E. Barney Professor of Classical Languages
A.B., Dartmouth; A.M., Princeton; Ph.D., Princeton.
- JULIA DENHAM, 1951— *Assistant Professor of Physical Education*
A.B., William Smith; M.A., Columbia.
- FREDERICK G. DETWEILER, 1917-1949—*Professor Emeritus of Sociology*
A.B., Denison; B.D., Colgate-Rochester; Ph.D., Chicago.
- MARY L. DORR, 1950— *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.
- JOHN W. EHRLE, 1950— *Assistant to the President*
B.S., Denison.
- 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— *Associate Professor of Chemistry*
A.B., Miami; M.S., Lehigh; Ph.D., Ohio State.
- DONALD R. FITCH, 1924— *Registrar*
Ph.B., Denison; M.S., Denison.
- ROBERTA S. GARRETT, 1952— *Assistant Catalog Librarian*
B.A., Tennessee; B.L.S., Michigan.
- 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.
- 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.
- SUE HAURY, 1928— *Assistant Professor of Music*
A.B., Denison.
- †E. BASIL HAWES, 1923— *Professor of Education*
Ph.G., Starling Medical College; B.S., Ohio State; M.S., Ohio State.
- ‡MAYLON H. HEPP, 1946— *Professor of Philosophy*
A.B., Oberlin; M.A., Oberlin; Ph.D., Brown.

**On sabbatical leave, December-April.

†On leave first semester, 1952-53.

‡On sabbatical leave second semester, 1952-53.

- BURT T. HODGES, 1934— *Treasurer and Controller*
B.S., Denison; M.A., Chicago.
- LYDIA HOLM, 1948— *Assistant Professor of Modern Languages*
B.A., Sioux Falls; M.A., Iowa; Ph.D., Iowa.
- PAULINE O. HOOVER, 1938-1950; 1952— *Circulation 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 N. 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*
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.
- 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 KOERBER, 1947— *Assistant Professor of Modern Languages*
Diploma, University of Berlin; M.A., Nebraska; Ph.D., North-
western.
- HARRY H. KRUENER, 1952— *Part-time Instructor in Religion*
A.B., Haverford; B.D., Andover Newton Theological School.
- A. COLLINS LADNER, 1928— *Assistant Professor of Mathematics and Engineering Science*
A.B., Brown; A.M., Brown.
- CURTIS W. R. LARSON, 1951— *Associate Professor of Religion*
B.A., Hamline; B.D., Garrett Biblical Inst.

- HERMAN W. LARSON, 1944— *Assistant Professor of Music*
A.B., Augustana.
- DAVID W. LATTIMER, 1950— *Instructor in History*
B.A., Ohio State; M.A., Ohio State.
- GRIER S. LEACH, 1952— *Assistant Director of Public Information
and Instructor in Journalism*
B.S. in J., Ohio U.
- *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.
- JOHN T. LOEHNERT, 1951— *Coach of Basketball*
B.A., Denison.
- PRESSLEY C. MCCOY, 1951— *Instructor in Oral Communication*
B.A., Muskingum; M.A., Northwestern.
- RICHARD H. MAHARD, 1941— *Associate Professor of Geology and Geography*
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 W. MEYER, 1952— *Instructor in Physical Education*
B.A., Denison.
- IRVING E. MITCHELL, 1949— *Professor of Sociology*
A.B., Gordon; M.A., New Hampshire.

*On leave both semesters, 1952-53.

§On sabbatical leave both semesters, 1952-53.

- GEORGE D. MORGAN, 1927— *Associate Professor of Biological Sciences*
B.S., Denison; M.S., Pittsburgh; Ph.D., Ohio State.
- 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— *Assistant Professor of Economics*
B.A., Oberlin; M.A., American; Ph.D., Iowa State College.
- RUTH A. OUTLAND, 1941— *Director of Public Information*
A.B., Coe.
- ANNA B. PECKHAM, 1900-1937— *Associate Professor Emeritus of Mathematics*
A.B., Wellesley; A.M., Denison.
- BEATRICE PETERSON, 1947— *Executive Secretary, Denison*
Society of the Alumni
A.B., Lawrence.
- KEITH W. PIPER, 1951— *Instructor in Physical Education*
and Assistant Football Coach
A.B., Baldwin-Wallace.
- 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*
- §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. RUFF, 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.

§On sabbatical leave both semesters, 1952-53.

- 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— *Associate Professor
of Physical Education for Women*
B.S., Alfred; M.A., Columbia.
- 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.
- WYNDHAM M. SOUTHGATE, 1946— *Associate Professor of History*
B.A., Harvard; M.A., Harvard; Ph.D., Harvard.
- 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— *Part-time Instructor in Education*
B.A., Vassar; M.A., Radcliffe, Ph.D., Radcliffe.
- CHARLES W. STEELE, 1949— *Instructor in Modern Languages*
A.B., Missouri; M.A., California.
- CEPHUS L. STEPHENS, 1949— *Professor of Government*
B.S., Ohio State; M.A., Ohio State; Ph.D., Ohio State.
- 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.

‡On sabbatical leave second semester, 1952-53.

- RUTH M. TAYLOR, 1949— *Assistant in Physical Education*
- †HAROLD H. TITUS, 1928—
Maria Theresa Barney Professor of Philosophy
 A.B., Acadia; B.D., Colgate-Rochester; Ph.D., Chicago; D.Litt., Acadia.
- JAMES G. TRAYNHAM, 1950— *Assistant Professor of Chemistry*
 B.S., North Carolina; Ph.D., Northwestern.
- HARRY V. TRUMAN, 1948— *Assistant 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.
- 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.
- CAROLYN WIESENDER, 1952— *Instructor in Sociology*
 M.A., Chicago.
- FORBES B. WILEY, 1910-1950— *Professor Emeritus of Mathematics*
 A.B., Kalamazoo; A.B., Chicago; Ph.D., Chicago; D.Sc., Kalamazoo; LL.D., Denison.
- †RUSSELL H. WILLIAMS, 1926—
Instructor in Hygiene and University Health Officer
 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 *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.

†On sabbatical leave first semester, 1952-53.

‡On sabbatical leave second semester, 1952-53.

ADMINISTRATIVE STAFF

- | | |
|---|---|
| A. BLAIR KNAPP, A.B., M.A., LL.D., L.H.D. | <i>President</i> |
| MARGARET L. MERRITT | <i>Secretary</i> |
| JOHN W. EHRLI, B.S. | <i>Assistant to the President</i> |
| LOUISE W. WRIGHT, A.B. | <i>Secretary</i> |
| CYRIL F. RICHARDS, B.S., B.D., A.M., L.H.D. | <i>Vice President
and Dean of the College</i> |
| LOUISE HOLLISTER | <i>Secretary</i> |
| BURT T. HODGES, B.S., A.M. | <i>Treasurer and Controller</i> |
| GLENNA BASORE, A.B. | <i>Secretary and Payroll Clerk</i> |
| EURIE M. LOUGHRIDGE, Ph.B. | <i>Assistant to the Controller</i> |
| GWENDOLYN RECTOR | <i>Bookkeeper</i> |
| REBECCA SLOCUMB | <i>Cashier</i> |
| ALFRED J. JOHNSON, A.B., M.B.A. | <i>Business Manager</i> |
| DOLORES J. KLEIN | <i>Secretary</i> |
| MARGARET R. WELLS | <i>Maintenance Secretary</i> |
| ALLAN M. DEWEY, A.B. | <i>Assistant to the Business Manager</i> |
| ANITA BEHRENS | <i>Manager of Office Services</i> |
| DOROTHY HUFFMAN | <i>Addressograph Clerk</i> |
| C. LAURENCE GOODELL | <i>Manager of Bookstore</i> |
| CLARA EVANS | <i>Clerk</i> |
| FRANCIS C. BAYLEY, A.B., B.D., Ph.D. | <i>Dean of Men</i> |
| KATHRYN D. DUNLAP | <i>Secretary</i> |
| LEONA WISE JONES, B.S., M.A., Ph.D. | <i>Dean of Women</i> |
| ALINE T. CUNINGHAME, B.A. | <i>Administrative Assistant</i> |
| NANCY T. GREEN | <i>Secretary</i> |
| DONALD R. FITCH, Ph.B., M.S. | <i>Registrar</i> |
| MARJORIE I. BURNESON, B.A. | <i>Assistant Registrar</i> |
| WANDA D. ALT | <i>Secretary</i> |
| RUTH A. OUTLAND, A.B. | <i>Director of Public Information</i> |
| GRIER S. LEACH, B.S. in J. | <i>Assistant Director</i> |
| DORIS J. LEACH | <i>Secretary</i> |
| BURTON W. DUNFIELD, B.S. | <i>Director of Admissions</i> |
| SHIRLEY LAMSON | <i>Information Secretary</i> |
| CHARLOTTE F. WEEKS, A.B., M.A. | <i>Assistant Director</i> |
| ANN EVANS | <i>Secretary</i> |
| BEATRICE PETERSON, A.B. | <i>Executive Secretary of the Society of
the Alumni</i> |
| MARIJANE S. MILNER | <i>Secretary</i> |
| ROBERT S. CARTER, B.S., M.S., Ph.D. | <i>Director of Vocational Services</i> |
| GENEVIEVE DAVIS | <i>Secretary</i> |

- LOIS E. ENGLEMAN, B.A., B.S. in L.S., M.S. *Librarian*
 MARY RUTH B. GROGAN, A.B., B.S. in L.S. *Assistant Librarian*
 JANE C. SECOR, A.B., B.S. in L.S. *Reference Librarian*
 MARY L. DORR, A.B., B.S. in L.S. *Catalog Librarian*
 PAULINE HOOVER, BA., B.S. in L.S. *Circulation Librarian*
 JOSEPHINE P. MOSS, A.B., B.S. in L.S. *Assistant Reference Librarian*
 ROBERTA S. GARRETT, B.A., A.B.L.S. *Assistant Catalog Librarian*
 BETTY WILLET, Ph.B. *Assistant*
 HELEN M. WRIGHT, Litt.B. *Assistant*
 ELIZABETH C. GREENOUGH *Secretary*
 RAYMOND G. WARD, A.B., M.D. *Acting Health Officer*
 RUTH HOPKINS, Assoc. Litt., R.N. *Nurse*
 MARY L. EARHART, R.N. *Staff Nurse*
 HILDA KNELLER, R.N. *Staff Nurse*
 KARL H. ESCHMAN, Ph.B., A.M. *Director of the Conservatory of Music*
 AUDREY C. MITCHELL *Secretary*
 SIDNEY JENKINS, B.S., A.M. *Acting Director of Athletics*
 JACK R. CARL, B.S., M.S. *Coach of Football and Track*
 KEITH W. PIPER, A.B., *Coach of Baseball and Swimming and Assistant Coach of Football*
 JOHN T. LOEHNERT, B.A. *Coach of Basketball*
 KENNETH W. MEYER, B.A. *Coach of Lacrosse and Assistant Coach of Football*
 CLEVELAND J. BRADNER, JR., B.A., B.D., M.A. *Executive Director of the Christian Emphasis Program*
 JOYCE F. FERNS *Secretary*

RESIDENTIAL AND DINING HALLS

HEAD RESIDENTS

- MRS. O. M. ARNOLD, *Monomoy*
 MRS. E. C. WATERS, A.B., B.S. Ed., *East*
 MRS. MARGARET T. MILLER, B.A., *Sawyer*
 MRS. L. E. BOGGS, *Parsons*
 MRS. EARLE W. McMULLEN, *Shaw*
 MRS. P. W. SHERMAN, *Burton*
 MRS. GEORGE M. WETMORE, *Beaver*
 MRS. UNA BARLOW, *Stone*
 MRS. GERTRUDE PHILLIPS, *Parsons*
 MR. PRESSLEY C. MCCOY, B.A., M.A., *Curtis*
 MRS. RUTH ROLT-WHEELER, A.B. *Director of Dormitory Maintenance*
 MRS. CHARLES W. WOOD *Director of Men's Dining Hall*
 MRS. HELEN B. CHRYSLER *Director of Women's Dining Halls*
 MRS. JOHN A. WILSON *Hostess, Student Union*

STUDENT ENROLLMENT 1952-53

(Ohio unless otherwise indicated)

*Enrolled in Washington Semester Plan at American University.

A

Aabye, Nancy, Jr. Indianapolis, Ind.
 Abbey, Janet, Fr. Wynnewood, Pa.
 Abell, David, Fr. Montevideo, Uruguay
 Abernethy, Elizabeth, So. Lakewood
 Abrahamson, Bejay, Fr. Naperville, Ill.
 Ackerman, Cynthia, Fr. Mansfield
 Ackley, Timothy, Fr. Blacklick
 Adams, John, Fr. Richmond, Va.
 Adamson, Joanne, So. Dayton
 Akin, Rosemary, Jr. Lancaster
 Albershart, Claire, Fr. Fort Thomas, Ky.
 Allen, Bonnie, Fr. Evanston, Ill.
 Allen, Doris, So. Hamden, Conn.
 Allured, Ralph, Jr. Grosse Pointe, Mich.
 Al, Donald, Sr. Granville
 Altwater, Joy, Jr. Cincinnati
 Amble, Kjell, Jr. Oslo, Norway
 Amerman, Frank, So.
 Huntington Woods, Mich.
 Ames, John, Sr. River Forest, Ill.
 Ames, Priscilla, Fr. River Forest, Ill.
 Amos, Harriet, Fr. Lakewood
 Anderson, Bradley, Fr. Rockford, Ill.
 Anderson, John, Jr., Sr. Shaker Heights
 Anderson, Judith, Fr. Shaker Heights
 Anderson, Margaret, So.
 Larchmont, N. Y.
 Annoh-Oprensen, Richard, So.
 Accra, Gold Coast, Brit. W. Africa
 Anthony, Dawn, So. Lakewood
 Athorp, Barney, So. East Cleveland
 Audrey, Sally Lee, Fr. Marion
 Arenberg, Jane, Sr. Highland Park, Ill.
 Arndt, Shirley, Fr. Cleveland Heights
 Arnold, James R., So. Wilmette, Ill.
 Arnold, Jean, So. Rocky River
 Arter, Jo-Ann, Fr. Granville
 Athey, Frank, Fr. Milwaukee, Wis.
 Atwater, David, So. Bronxville, N. Y.
 Averill, Jack, Fr. Maywood, Ill.

B

Bach, Audrey, So. Toledo
 Baker, Ayres, Jr. Summit, N. J.
 Baker, Edward, Sr. Granville
 Baker, Marilyn (Graham) Jr. Granville
 Baker, Virginia, Sr. Ridgewood, N. J.
 Banbury, Thomas, Sr. Danville
 Banks, Shirley, Sr. Shirley, Mass.
 Bannister, Wenda Lee, Fr.
 Delbarton, W. Va.
 Bantz, Bruce, So. Detroit, Mich.
 Barber, Nancy, So. Oak Park, Ill.
 Barbier, Ruth Jean, Fr. Springfield, Vt.
 Bargar, Barbara, Fr. Youngstown
 Barnes, David, So. Granville
 Barnett, Sondra, Fr. Mansfield
 Barringer, Donald, Jr., Jr. Fairview Park
 Barringer, William, Fr. Fairview Park
 Barth, James, Jr. Brecksville
 Bartlett, Claude, Jr. Reynoldsburg
 Bartlett, Raymond H., Jr., Sr.
 Yonkers, N. Y.
 Barton, Douglas, Fr. Lima
 Barton, Margaret, Fr. LaGrange, Ill.
 Barton, Nancy Jo, So. Lima

Bassett, Kenneth, Sr. Cincinnati
 Bassler, Robert, Jr. Toledo
 Bate, Judith, Fr. University Heights
 Bates, Elaine, Fr. Zanesville
 Bates, Susan, Fr. Postorita
 Bauer, Karen, Fr. Troy, N. Y.
 Baubof, Barbara, So. Shaker Heights
 Baumes, Hudson, So. Cincinnati
 Baumgartner, David, So. East Cleveland
 Baumgartner, Richard, So. East Cleveland
 Bayley, David, So. Granville
 Beardshear, Emily, So. Newark
 Beardsley, Betty, Jr. Birmingham, Mich.
 Beaver, Frances, Fr. New Matamoras
 Beck, Jay, Fr. Eggertsville, N. Y.
 Beckman, John, Fr. Newark
 Beckmann, Carol, So. Cincinnati
 Beckner, Ann, Fr. York, Pa.
 Begien, Michael, Jr., Jr. Cincinnati
 Belgrade, Charles, So. Wheeling, W. Va.
 Bell, Charles, Jr., So. Cleveland
 Bell, Judith, Jr. Wenham, Mass.
 Bell, Marcia, So. Watseka, Ill.
 Belt, Susan, Fr. Maumee
 Bender, Janet, So. Ravenna
 Benjamin, Diane, So. East Cleveland
 Berger, Mary Alice, Sr. Shaker Heights
 Berlin, Allison, Jr., Fr. Coraopolis, Pa.
 Bernard, Thomas, Jr. Maplewood, N. J.
 Berry, Earl, Fr. Michigan City, Ind.
 Berry, Mary, So. New Orleans, La.
 Berthold, Judith, Sr. Webster Groves, Mo.
 Berthold, Anne, Fr. Troy, N. Y.
 Bevier, Elizabeth, Sr. Scarsdale, N. Y.
 Beyer, John, Jr. Teaneck, N. J.
 Biggins, Nancy, So. Elgin, Ill.
 Bigler, James, Sr. Drexel Hill, Pa.
 Billett, David, Fr. Lyndhurst
 Billingsley, John, Jr., Sr. Pittsburgh, Pa.
 Billingsley, Robert, So. Pittsburgh, Pa.
 Bimel, Nancy, Sr. Cincinnati
 Bird, Emily, Jr. Medina, N. Y.
 Birkmeier, Marilyn, Sr. Chicago, Ill.
 Bloor, Colin, So. Sandusky
 Blunk, Theodore, So. Cumberland, Md.
 Bockes, Rosalie, Sr. Brownville, Pa.
 Bodenweber, Janet, So.
 Cleveland Heights
 Boeschstein, Harold, Jr., Sr.
 Perryburg
 Boettner, Nancy, Sr. Cleveland
 Bozardus, Edna, Jr. Mt. Vernon
 Boltz, Audrey, Fr. Waukegan, Ill.
 Boon, Edgar, Jr. Oak Harbor
 Booth, Barbara, Jr. Carbondale, Pa.
 Bergeson, Ruth, Sr. Bronxville, N. Y.
 Bosler, Theodore, Fr. Indianapolis, Ind.
 Boswau, Herbert, So. Dundee, Ill.
 Bowen, William, So. Wyoming
 Bowman, Arthur, Fr. Cincinnati
 Bowman, James, So. Strongsville
 Bowser, Ann, So. Oakmont, Pa.
 Boyce, Carol, Fr. Chester, W. Va.
 Boyer, Susan, Jr. Cobacocton
 Reichford, Nancy, Sr. Shaker Heights
 Brewster, Kenneth, Jr., So.
 Westwood, Mass.
 Bricker, Elizabeth, Jr. Shaker Heights
 Brickman, Charles, Jr. Chicago, Ill.

STUDENT ENROLLMENT

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Bridges, Roberta, Fr.	-----Newfane, N. Y.	Conway, Kenneth, Fr.	-----Norwalk
Briggs, Richard, So.	-----Columbus	Cook, James, Fr.	-----Ashville
Bright, Bonnie, Jr.	-----Detroit, Mich.	Cook, Jane, Fr.	-----Plymouth, Mich.
Brittngard, Thomas, Fr.	-----Detroit, Mich.	Cook, Michael, So.	-----Glendale
Brittain, Anne, Jr.	-----Hinsdale, Ill.	Cookingham, Joan, Jr.	-----Holland, Mich.
Bro, Andrew, Sr.	-----Omaha, Neb.	Cooper, Caryl, Fr.	-----Hillsboro, Ind.
Broadhurst, Allan, Jr.	-----Bethesda, Md.	Cope, James, So.	-----Nelsonville
Brohm, Mona, Sr.	-----Punxsutawney, Pa.	Corcoran, Jean, So.	-----Silver Lake
Brooks, Martha, So.	-----Chevy Chase, Md.	Corder, Charlene, So.	-----Trinway
Brophy, James, So.	-----St. Clair Shores, Mich.	Cordes, John, Fr.	-----Cincinnati
Brophy, Thomas, Jr.	-----St. Clair Shores, Mich.	Cornell, R. William, Jr., Fr.	-----University Heights
Broughton, Richard, Sr.	-----Dayton	Cotton, Robert, So.	-----Cleveland Heights
Brown, Barbara L., So.	-----Pittsburgh, Pa.	Coulter, Betsy, So.	-----Pelham, N. Y.
Brown, Bennett, Fr.	-----Duquesne, Pa.	Cox, Kenneth, So.	-----Montpelier
Brown, Donald, Sr.	-----Camp Hill, Pa.	Coyle, James, Sr.	-----Newark
Brown, Gilbert, Jr.	-----Columbus	Cramer, Alan, Jr.	-----Chagrin Falls
Brown, Herbert, Sr.	-----Columbus	Crane, Mary, So.	-----Pontiac, Mich.
Brown, Jacqueline, Jr.	-----McKeesport, Pa.	Creel, Ann, Jr.	-----Cleveland
Brown, Roland, Jr., Jr.	-----Chicago, Ill.	Crislip, Terrance, Fr.	-----Akron
Brown, Thomas, Jr., Jr.	-----Youngstown	Crosley, Wilbur, So.	-----New York, N. Y.
Bruce, Jo Anne, So.	-----Mansfield	Crosby, John, Sr.	-----Youngstown
Brunbaugh, Elsa, Fr.	-----Palmerville	Croslin, Mary Louise, Sr.	-----Oak Park, Ill.
Brunner, Nancy, Jr.	-----Pittsburgh, Pa.	Crowe, Richard, Jr.	-----Chagrin Falls
Buonnan, David, Jr., Sr.	-----Akron	Cruce, Joy Lynn, Fr.	-----Poplar Bluff, Mo.
Buchanan, Gail, Fr.	-----Winnetka, Ill.	Cuddy, Janet, So.	-----Sherborn, Mass.
Buck, Daniel, Jr.	-----Columbus	Curran, Christopher, Fr.	-----Chicago, Ill.
Buckles, Judith, Fr.	-----Kankakee, Ill.	Curry, Carolyn, Fr.	-----Homer, Mich.
Burcher, Joseph, Jr., Sr.	-----Newark	Curry, Charles, Jr.	-----Homer, Mich.
Burcess, Robert, Jr.	-----Shrewsbury, Mass.	Curry, Frederic, Jr.	-----Pittsburgh, Pa.
Burkhart, Carol, Fr.	-----Findlay	Curtis, Barbara, So.	-----Ardmore, Pa.
Burrer, Charlotte, Sr.	-----Cincinnati	Curtis, Mary Sue, So.	-----Canton
Burrer, Fred, Jr.	-----Cincinnati	Curtis, Millicent, Sr.	-----Kewanee, Ill.
Burton, Jess, Fr.	-----Flushing, N. Y.	Cushing, Richard, So.	-----Niagara Falls, N. Y.
Busken, Jerusha Ann, Sr.	-----Cincinnati		
Buttler, Gail, Fr.	-----Haddonfield, N. J.		
Calhoun, David, Fr.	-----Evanston, Ill.	Dailey, Thomas, Sr.	-----Dearborn, Mich.
Cameron, Janet, Fr.	-----Pittsburgh, Pa.	Dallas, George, Sr.	-----Pomeroy
Campbell, Faye, So.	-----Warren	Damron, John, So.	-----Mansfield
Campbell, Robert, Sr.	-----Grand Rapids, Mich.	Daniels, David, Fr.	-----Wyoming
		Darrah, Richard, Fr.	-----Shaker Heights
		Davidson, Dorothy, Jr.	-----Bay City, Mich.
		Davis, Carol, Fr.	-----Sewickley, Pa.
		Davis, George, Sr.	-----Granville
		Davis, Jane, Sr.	-----Columbus
		Davis, Thomas, Fr.	-----North Middletown, Ky.
		Davis, Ward, Fr.	-----Old Greenwich, Conn.
		Davison, Matthew III, Fr.	-----Flint, Mich.
		Decker, Mary, Fr.	-----Bedford
		Deeds, Andrew II, So.	-----Farmington, Conn.
		Degnan, James III, Fr.	-----Grosse Pointe, Mich.
		DeJong, Donald, Jr.	-----Springfield
		Delicate, Ann, Fr.	-----Edwardsville, Ill.
		Dennett, Dorothy, Jr.	-----Evanston, Ill.
		Deupree, Thea, Fr.	-----Chicago, Ill.
		deVerna, Carol Lee, Jr.	-----Metamora
		DeVore, Robert, Sr.	-----Toledo
		Dexter, Marjorie, So.	-----Grand Rapids, Mich.
		Dick, Carolyn, Fr.	-----Leipsic
		Dillard, Gordon, Fr.	-----Pittsfield, Mass.
		DiRosa, Diane, Jr.	-----Cleveland
		Diserens, Robert, Jr.	-----Cincinnati
		Dodge, Kay, Sr.	-----Highland Park, Ill.
		*Dodson, Theron, Jr.	-----Cambridge
		Dolan, James, So.	-----Jamestown, N. Y.
		Dold, John, Fr.	-----Wilmette, Ill.
		Doner, Christine, So.	-----Evanston, Ill.
		Donley, James, Fr.	-----Hudson
		Donovan, Dennis, Fr.	-----Rochester, N. Y.
		Dorbrits, Norina, Fr.	-----Pittsburgh, Pa.
		Doswell, Donald, So.	-----Oak Park, Ill.
		Doubleday, Nancy, So.	-----Kalamazoo, Mich.
		Douda, Bonnie, Fr.	-----Willoughby
		Drake, Mary, So.	-----Birmingham, Mich.
		Droba, Janet, So.	-----Glencoe, Ill.
Chapell, Joan, Fr.	-----Eggertsville, N. Y.		
Chenoweth, Mary Jane, Sr.	-----Dayton		
Chestnut, Joseph L., Jr., Fr.	-----Groveport		
Clapp, Joycelyn, Sr.	-----Middletown		
Clark, Ann, So.	-----Cadiz		
Clark, Constance, Sr.	-----Ashland		
Clark, Sally, Fr.	-----Wellsville, N. Y.		
Clark, Thomas, So.	-----Shaker Heights		
Clary, Thomas, Fr.	-----Milwaukee, Wis.		
Cleissold, June, So.	-----Chicago, Ill.		
Closson, Nancy, Sr.	-----Logansport, Ind.		
Cochran, Joan, So.	-----Newark		
Cochran, Theodore, Sr.	-----Granville		
Cofer, Joseph, Fr.	-----Waverly		
Collier, Rhea, Fr.	-----Chagrin Falls		
Connor, Emilie, Sr.	-----Sharon, Pa.		

Ducro, Peter, So.	Ashtabula	Fullmer, Arthur, Fr.	Rocky River
Ducro, Thomas, Jr.	Ashtabula	Fullmer, David, Sr.	Rocky River
Duffy, Dolores, Fr.	Port Clinton		
Dunbar, Wallace, Sr.	White Plains, N. Y.	Gaenslen, Eugene, Jr., Fr.	Wilmette, Ill.
Duncan, Jean, So.	Hamburg, N. Y.	Gallup, Richard T., So.	Plainfield, Conn.
Duncan, Joyce, Sr.	Cleveland	Gardner, Hugh, So.	Cleveland Heights
Dunn, George, Jr., Jr.	Short Hills, N. J.	Garrett, George, So.	University Heights
Dunn, Richard, So.	Bay Village	Garrod, Phyllis, So.	Hackensack, N. J.
Durham, Sarah, Fr.	Cincinnati	Gaskill, Sally, Fr.	Swarthmore, Pa.
Durstone, Suzanne, Jr.	Columbus	Geis, Ruth Anne, Fr.	Youngstown
Duro, Jacquelin, Sr.	Zanesville	Generella, Ferdinand, Fr.	Pottsville, Pa.
Dyck, Nancy, So.	Blacksburg, Va.	George, Doris, Fr.	Great Neck, N. Y.
Dye, Phyllis, Sr.	Wellston	George, Gilyan, So.	Buffalo, N. Y.
		George, Richard, Fr.	Ridgewood, N. J.
Eagan, Margaret, Sr.	Chevy Chase, Md.	Geis, Richard, Jr.	Mill Neck, L. I., N. Y.
Eakin, Thomas, Fr.	Shaker Heights	Geyer, John, Jr., So.	Cincinnati
Earle, Virginia, Jr.	Cedar Grove, N. J.	Geyer, Jane, So.	Piqua
*Eastendy, Jack, Jr.	Shaker Heights	Gibbon, John, Jr.	Niagara Falls, N. Y.
Eaton, Margaret, So.	Cleveland	Gibbs, Arthur, Jr., Fr.	Canton
Eberbach, Elizabeth, Fr.	Milwaukee, Wis.	Gibbs, Katherine, So.	Westfield, N. J.
Ecker, Jean, Sr.	Gallipolis	Gibson, Barbara, Fr.	Xenia
Edwards, Mary Lee, So.	Snyder, N. Y.	Gibson, Mary, Sr.	Munster, Ind.
Eha, Charles, Sr.	Cincinnati	Gifford, Patricia, Fr.	Galeana
Ehrenfeld, Louise, Sr.	York, Pa.	Gilb, Dale, So.	Grand Rapids, Mich.
Ehresman, Herbert, Jr., Fr.	Trenton	Gilbert, Bruce, Fr.	Glen Ellyn, Ill.
Eisermann, Janet, Jr.	River Forest, Ill.	Gilbert, Gerald, So.	Royal Oak, Mich.
Ekberg, Carol, Fr.		Giles, William, Fr.	Cincinnati
		Gilles, Donald, Sr.	Evanston, Ill.
Eliopoulos, James, Fr.	Cranston, Rhode Island	Gleiss, George, Jr., Sr.	Detroit, Mich.
Elleman, Thomas, Sr.	Dayton	Glen, Kenneth, So.	Detroit, Mich.
Elliott, Ann, Jr.	Cleveland Heights	Glenn, Guy, Sr.	Parma
Elliott, William, Fr.	Arlington, Mass.	Goddard, Catherine, Fr.	Pittsburgh, Pa.
Ellisworth, James, Jr., Jr.	Niagara Falls, N. Y.	Goddard, Edwin, Fr.	South Euclid
		Goldsmith, Kenneth, Fr.	St. Dizier, France
Emanuelson, James, Sr.	Shrewsbury, Mass.	Goll, Kathryn, Sr.	New Kensington, Pa.
		Goodell, Susan, So.	Louisville, Ky.
Emmett, June, Fr.	Marionett	Goodman, Audrey, Jr.	Lake Hiawatha, N. J.
Endres, David, Sr.	Youngstown	Goodwin, William, Jr.	Wenona, Ill.
Endehart, Katy Lou, Jr.	Shaker Heights	Gordon, Bruce, Fr.	Salem
Erickson, Pamela, Jr.	Pelham, N. Y.	Gordon, Janet, So.	Granville
Ernst, Herbert, Fr.	Piqua	Goss, Joy, Sr.	Rocky River
Eshelman, Nancy, Jr.	Circleville	Grabeman, Ruth, Sr.	Dayton
Essinger, Sandra, Fr.	Rossford	Grace, John, So.	Norwood
Evans, Patricia, Jr.	Shaker Heights	Grafton, Elizabeth, Fr.	Kansas City, Mo.
Ewing, Mary Ellen, So.	Mount Vernon		
Exman, Wallace, Jr.	Scarsdale, N. Y.	Granfield, Geraldine, Sr.	Sandusky
		Granfield, Helen Jean, Fr.	Sandusky
Fader, Dorothy, Fr.	South Orange, N. J.	Grant, John, Jr.	Plattsburg, N. Y.
Falch, Sally, Fr.	Lakewood	Gray, Robert, Sr.	Grand Rapids, Mich.
Fall, Beverly, Sr.	Toledo	Greene, Robert, Sr.	Granville
Falter, Ann, Jr.	Portsmouth	Greenlee, Margaret, So.	La Grange, Ill.
Faxon, Harriett, Jr.	Lakewood	Gregory, Mary Lou, So.	Birmingham, Mich.
Feld, Jack, Jr., Jr.	Weehawken, N. J.		
Feld, Robert, Fr.	Weehawken, N. J.	Grossman, Phyllis, Sr.	Des Moines, Iowa
Fellman, William, Fr.	Milwaukee, Wis.	Groth, Janet, Jr.	Cleveland Heights
Fellows, John, So.	Flint, Mich.	Guddott, Vincent, Jr., Fr.	Cleveland
Ferguson, James, Sr.	Cuyahoga Falls	Guimares, Richard, So.	Shaker Heights
Ferns, James, So.	Granville	Guthrie, Genevieve, Sr.	Wilmette, Ill.
Fernyak, John, So.	Mansfield	Guyer, Susan, So.	erie, Pa.
Felder, Helen, Fr.	Sharon, Pa.	*Haak, Avery, Jr.	East Lansing, Mich.
Freestone, Wilma, So.	Salem	Haberstro, George, Fr.	Cleveland Heights
Fischer, Ann, So.	Cincinnati	Haid, Richard, Sr.	Hamilton
Fischer, Jane, Jr.	Cincinnati	Hales, Lynn, Fr.	Winnetka, Ill.
Fisher, Florida, Sr.	Durham, N. C.	Hall, Elizabeth, So.	Navarre
Fitz, Lynn, Fr.	Zanesville	Hall, Richard, Fr.	Cleveland Heights
Foot, Anne, Fr.	Akron	Haller, Philippa, Fr.	Michigan City, Ind.
Fordyce, William, So.	Lakewood		
Forsath, Janet, Sr.	Cannelton, Ind.	Haller, Suzanne, Fr.	Pittsburgh, Pa.
Fosdick, William, Fr.	Wilmette, Ill.	Hamilton, Iris, Fr.	Boston, Mass.
Foster, Hugh, Jr., Jr.	Toledo	Hamilton, Patricia, Jr.	Columbus
Frame, Arthur, Jr.	Wapakoneta	Hamilton, Verne H., Fr.	Pontiac, Mich.
Francis, Maryann, Jr.	Granville	Handy, Amy, Fr.	East Orange, N. J.
Frederick, Lee, So.	Ronoke, Va.	Hanseman, Lynne, Jr.	Cincinnati
Freer, Thompson, Jr.	Shaker Heights	Harlemert, Ann, Fr.	Dayton
Friel, Nancy, Sr.	Pleasant Ridge, Mich.	Harper, Joan, Sr.	Pittsburgh, Pa.

Harper, Richard, Fr.	Pittsburgh, Pa.	Hubbard, James, Fr.	Chagrin Falls
Harris, Jerome, Jr., Sr.	San Antonio, Texas	Hudson, Norma, Fr.	Birmingham, Mich.
Harris, Nathaniel, Fr.	Wheeling, W. Va.	Huey, Patricia, So.	Columbus
Harroff, Robert, Jr.	Cleveland Heights	Hughes, William, Jr.	Toledo
Hartman, Carol, Jr.	Pittsburgh, Pa.	Humel, Norma, Sr.	Lakewood
Hartwig, Edith, Sr.	Oconomowoc, Wis.	Hundley, Rhodes, So.	Detroit, Mich.
Harwood, Harriet, Fr.	Cleveland Heights	Hundley, Thomas, Jr., So.	
Hatch, Joan, Sr.	Wallingford, Pa.		Green Bay, Wis.
Hausman, Ann-Louise, Sr.	Bronxville, N. Y.	Hunt, Nansanna, So.	Glendale, Calif.
	Grand Rapids, Mich.	Hunting, John, Jr.	Grand Rapids, Mich.
Hawk, Robert, Sr.	Grand Rapids, Mich.	Huntington, Ann, So.	Akron
Hawkins, Joann, Sr.	Coraopolis, Pa.	Huprich, Dean, Fr.	Baltic
Hawley, Thomas, Fr.	Birmingham, Mich.	Huston, Charles, So.	Mansfield
Hayes, Barbara, Sr.	Columbus	Hutson, John, Sr.	Rocky River
Hayford, Joan, Sr.	Chicago, Ill.	Hutzler, Helenela, Jr.	Cincinnati
Haynes, Helen, So.	East Liberty		
Haynes, William, Fr.	Pittsburgh, Pa.	Ikeuchi, Paul, So.	Honokaa, Hawaii
Hazlett, Ann, So.	Glenside, Pa.	Inboden, Scott, Jr., Jr.	Columbus
Heasman, John, So.	Evanston, Ill.	Ingram, Mary, So.	Poland
Hearn, Marilyn, So.	Youngstown	Ingram, Barbara, So.	Lakeside
Headett, Jacquelyn, So.	Seaside, Pa.	Innam, Charles, Sr.	East Cleveland
Hebard, John, Fr.	Salem, Mass.	Inman, John, Jr., Jr.	Michigan City, Ind.
Hebel, Jean, Sr.	Indianapolis, Ind.	Isaly, William, Sr.	Pittsburgh, Pa.
Heckman, Nance, So.	St. Paul, Minn.	Ison, Margaret, So.	Leesburg
Hell, Gretchen, So.	Lakewood		
Heiser, William, Fr.	Winnetka, Ill.	Jacobs, Bailey, Fr.	Short Hills, N. J.
Heisey, George D., Jr., Fr.	Newark	Jacobs, Edward, Jr.	Coshocton
Helmerichs, Carol, So.	East Cleveland	James, Douglas, Fr.	Toledo
Hendricks, Ruth, Sr.	Brookville	Jaquith, Elizabeth, Sr.	
Hendricks, Thomas, So.	Brookville		Eastlyn Heights, L. I., N. Y.
Hendrickson, Willis, Fr.	Pittsburgh, Pa.	Jeffries, Thomas, So.	Grosse Pointe, Mich.
Henley, Sara, Fr.	Massillon	Jenkins, Constance, So.	Cleveland
Henry, Karl, Fr.	Lisbon	Jenkins, Janet, Fr.	North Bend
Herman, Linda, Fr.	Evanston, Ill.	Jenkins, Patricia, So.	Cincinnati
Herrmann, Virginia, Sr.	Pittsburgh, Pa.	Jennings, David, Fr.	Norwalk, Conn.
Hertz, Nancy, So.	Deerfield, Ill.	Jochens, Carl, Jr., So.	Chicago, Ill.
Hess, Charles, Jr., Sr.	Canton	Johnson, Donna, Sr.	Poland
Hess, Margery, Fr.	Bath	Johnson, Evelyn, Fr.	Ho-Ho-Kus, N. J.
Heventhal, Charles, Jr., Jr.		Johnson, Jo Anne, Sr.	Poland
	Haddonfield, N. J.	Johnson, Kenneth, Jr.	Avon Lake
Hilberts, Robert, Sr.	Bala-Cynwyd, Pa.	Johnson, Nancy, Fr.	Lyndhurst
Hill, David, Fr.	Mt. Vernon	Johnson, Robert W., Fr.	Charlotte, Mich.
Hill, Donald, Fr.	Granville	Johnson, Shirley, Jr.	Shaker Heights
Hill, George, Fr.	Bay Village	Johnson, William B., Sr.	Piqua
Hill, Suzanne, Fr.	Wellington	Johnsonbaugh, Roger, Fr.	Defiance
Hill, William, Jr., Jr.	Bangor, Me.	Johnston, Janet, Sr.	Cleveland
Hillenbrand, Ray, Fr.	Batesville, Ind.	Jones, Barbara, Fr.	Springfield, Pa.
Hummelright, Paul II, Fr.	Hartsville	Jones, Carolyn, Jr.	Ridgewood, N. J.
Hinegardner, Dorothy, So.	Niagara Falls, N. Y.	Jones, David, Fr.	Cleveland Heights
		Jones, Marilyn, Fr.	Middletown
Hinegardner, Ralph, Sr.		Jones, Richard, Fr.	Miami Beach, Fla.
	Niagara Falls, N. Y.	Jones, Robert, Jr.	Granville
Hiltson, Beverly, Jr.	Columbus	Jones, William H., Fr.	
Hobart, Charles, Jr., Jr.	Troy		Grosse Pointe, Mich.
Hodge, Beth, Fr.	Elkhart, Ind.	Jordan, Jerry, Fr.	Mt. Vernon, Ill.
Hofer, Charles, Fr.	Dayton	Judy, Frederick, So.	Scarsdale, N. Y.
Hoepfner, Margaret, So.	Chicago, Ill.		
Hoffman, Carol, Fr.	Columbus	Kahlenberg, Karl, So.	Two Rivers, Wis.
Hoh, Paul J. II, So.	Lancaster, Pa.	Kalbfleisch, James, Fr.	
Holliday, Helen, So.	Normal, Ill.		Grosse Pointe, Mich.
Holman, Jean, So.	Swarthmore, Pa.	Keegan, John III, Jr.	Pittsburgh, Pa.
Hope, Beverly, Jr.	White Plains, N. Y.	Keith, Harvey, Fr.	Grosse Pointe, Mich.
		Kelley, Robert Jr., Fr.	Hubbard
Hopkins, Robert, Jr., So.	Coshocton	Kelly, Sylvia, Fr.	Dayton
Horne, Susan, So.	Rochester, N. Y.	Kempton, John, Jr.	Toledo
Horner, David Jr., Sr.	Rocky River	Kendrick, Janet, Fr.	Ann Arbor, Mich.
Hostetter, Diane, So.	Brecksville	Kennedy, Halley, Sr.	Newark
Hotelling, Richard, Jr.	Woodside, Calif.	Kenney, Edward, Jr., Fr.	
Hotes, William, Jr.	East Cleveland		New Rochelle, N. Y.
Howard, Lee, Fr.	Park Ridge, Ill.	Kenrick, Mary, So.	Birmingham, Mich.
Howe, Nancy, Jr.	Birmingham, Mich.	Ker, Severn III, Fr.	Youngstown
Howell, John, Jr., Fr.	Gates Mills	Kerna, Robert, Fr.	Newark
Hoves, Elaine, So.	Pataskala	Kershner, Bruce, Jr.	Akron
Hovk, Lois, Fr.	Rochester, N. Y.	Ketcham, Carol, Fr.	Evanston, Ill.
Hoxby, Derek, Jr.	Cincinnati	Keys, Wiley, Fr.	Berkeley, Calif.
		Kier, Thomas, Jr.	Granville
		King, Jane, So.	East St. Louis, Ill.

- King, Janice, So.Cleveland Heights
 Kinnam, Constance, So.Columbus
 Kinney, Ann, Sr.Kingston, R. I.
 Kirsheman, Elizabeth, Fr.
Montclair, N. J.
 Kirsten, Jeanne, Jr.Cincinnati
 Kladney, Sally, Fr.Cleveland
 Klock, Arthur, Sr.Archbold
 Klenk, William C. III, So.
Grosse Pointe, Mich.
 Knapp, Charles, Fr.Zanesville
 Knapp, Susan, Jr.Granville
 Knecht, Jane, Fr.Warren
 Koehler, Ann, Fr.Huntington, W. Va.
 Kowib, Mary, Fr.Washington, D. C.
 Kohl, David, Sr.Corasopolis, Pa.
 Konold, Katherine, So.Indianapolis, Ind.
 Kooker, Natalie, So.
Winston-Salem, N. C.
 Kormendy, Carol, So.Rocky River
 Kornman, Christine, Sr.Chicago, Ill.
 Korol, Michael, Fr.Rochester, N. Y.
 Kramer, David, So.Lakewood
 Krickhaus, Janice, Jr.Columbus
 Kuechenberg, Gloria, So.Park Ridge, Ill.
 Kuhn, Marianne, Sr.Milwaukee, Wis.
 Kull, Walter E., So.Chagrin Falls
 LaFean, Jull, Fr.Hanover, Pa.
 Laird, Robert Jr., Sr.Shaker Heights
 Landrum, Roger, Sr.Lombard, Ill.
 Landrum, Richard, Sr.Columbus
 Lane, Daniel, Fr.Zanesville
 Lanford, Howard, Fr.Pelham, N. Y.
 Lantz, Clifford, Jr.St. Albans, W. Va.
 Latham, Brent, Fr.New Haven, Conn.
 Lashar, Sara, So.York, Pa.
 Lawrence, David, Sr.East Orange, N. J.
 Lease, Carolyn, Fr.New Philadelphia
 Lease, Ruth, Fr.Palo Alto, Calif.
 Lee, Howard, Jr., Fr.Columbus
 Lee, Kenneth, Jr.Chicago, Ill.
 LeFevre, Harry, Jr., Jr.Columbus
 LeFevre, John, Jr.Granville
 Lehman, Elaine, Fr.
New Wilmington, Pa.
 Leib, Julie, Jr.Pittsburgh, Pa.
 Leith, Nancy, Sr.Wynneswood, Pa.
 Leonard, Nancy, Fr.Stow
 Lieser, Marilyn, Jr.Shaker Heights
 Lindsay, Thomas E., Jr., Fr.
Ivyland, Pa.
 Lindsay, Thomas N., Fr.Midland, Pa.
 Lippelbach, Emily, So.Flint, Mich.
 Litchfield, Betty, Jr.Wellesley, Mass.
 Little, Joan May, Fr.Shaker Heights
 Locher, Betty, Fr.Scarsdale, N. Y.
 Lonas, Webster, Jr., Fr.Navarre
 Long, Jerome, Fr.New Canaan, Conn.
 Long, Patricia, So.South Euclid
 Lord, Donald, Sr.Ridley Park, Pa.
 Lord, Richard, Sr.Indianapolis, Ind.
 Loucks, Ruth, Fr.Ann Arbor, Mich.
 Lough, Judith, So.Greenfield
 Lovelass, John, Jr.Columbus
 Lueck, Patricia, Jr.Cleveland
 Luce, Thomas, So.Summit, N. J.
 Lucker, Ann, So.Egbertsville, N. Y.
 Luger, Richard, Jr.Indianapolis, Ind.
 Lundquist, Bruce, Jr.Jamestown, N. Y.
 Lusk, Larry, Sr.Lima
 Lyons, Richard, Jr.Winnetka, Ill.
 Lytle, Clifford, Jr., Jr.
Cleveland Heights
 McAbee, Ann, Fr.Canton
 McCallister, Jane, Sr.Dayton
 McCalone, Pressly, Jr., So.Pittsburgh, Pa.
 McClaren, Beverly, So.Ashland, Ky.
 McCusky, Edith, Fr.Ann Arbor, Mich.
 McCombs, Louis, Jr.Pittsburgh, Pa.
 McConnell, Mary Ellen, Fr.Coshocton
 McConnell, William, So.Zanesville
 McCoy, Elizabeth, Fr.Pittsburgh, Pa.
 McCoy, James, Fr.Sistersville, W. Va.
 MacDonald, Nancie Mae, Sr.Youngstown
 McFarland, James, Sr.Newark
 McGranahan, Thomas, Sr.Lebanon
 McIntosh, Bruce, Fr.Cincinnati
 McIntyre, Daniel, Fr.Columbus
 McKay, James, Jr., Fr.
Birmingham, Mich.
 MacKeen, Louise, Jr.Windsor, Conn.
 MacKenney, Samuel S., III, Jr.
Mt. Lebanon, Pa.
 MacKimm, Bradley, So.Chicago, Ill.
 MacKimm, Thomas, Fr.Chicago, Ill.
 McLain, Nancy, So.Pittsburgh, Pa.
 McLaughlin, Ann, Fr.
Grand Rapids, Mich.
 MacLean, Anne, So.Larchmont, N. Y.
 McMarlin, Bruce, So.Butler, Pa.
 McNew, Eddie, Jr.Detroit, Mich.
 McNulty, Ernest, Sr.Granville
 McPhail, Walter, So.Birmingham, Mich.
 McQuigg, John, Sr.Birmingham, Mich.
 McQuigg, Sarah, So.Birmingham, Mich.
 MacSwords, Helen, So.Zanesville
 MacSwords, Mary (Sall), Sr.Zanesville
 MacWilliam, Sally, Fr.
Wingham, Ont., Can.
 Machin, Jean, Fr.Champaign, Ill.
 Mackey, Donald, So.Pittsburgh, Pa.
 Macklin, John, So.Cleveland
 Macomber, Diane, So.Winnetka, Ill.
 Magnuson, Lorraine, Fr.
Silver Spring, Md.
 Mahaffey, Martha Ann, Fr.
Fredericktown
 Mahan, Sara, So.Lima
 Major, Robert, Sr.River Forest, Ill.
 Malasky, Mary, Fr.Detroit, Mich.
 Malcolmson, William, Sr.Jacksonville, Ill.
 Malpass, Peggy, Sr.Belle Vernon, Pa.
 Manierre, William, Jr.
East Hartford, Conn.
 Manley, Marcia, So.Geneseo, N. Y.
 Mann, Charles, Fr.North Lawrence
 Mann, William A. III, So.Winnetka, Ill.
 Markel, William, So.Cincinnati
 Maroney, Thomas, Fr.Shaker Heights
 Marquardt, James, Jr.Lakewood
 Martin, Marilyn, So.London
 Martino, John, Jr.Newark
 Mathieson, Douglas, So.Detroit, Mich.
 Matthews, Jane, Jr.Cleveland Heights
 Maurer, Davis, Jr.Dayton
 Maxwell, Mary Ellen, So.Cincinnati
 Mayne, Nancy, Fr.Centerville
 Mebert, Linda, Fr.Cleveland Heights
 Mende, Joyce, Jr.Ironton
 Messer, Betty, Sr.Hinton, W. Va.
 Metcalf, Woodbridge, So.
Berkeley, Calif.
 Meyer, Barbara Jean, Sr.South Euclid
 Meyer, Barbara L., Fr.Mt. Vernon
 Meyer, Carl W., Jr., Fr.Rocky River
 Michel, Margaret, Jr.New York, N. Y.
 Miles, Dewitt, Jr., Jr.
Hastings-on-Hudson, N. Y.
 Miles, Susan, Jr.Honesdale, Pa.

Miller, Ann, So. -----	Gallipolis	Oliver, Warren, Jr. -----	Springfield, Ill.
Miller, Betty Anne, Jr. -----	Columbus	Olney, Dorothy, Jr. -----	Waltham, Mass.
Miler, Edward H. III, Jr. -----	Cedarville	Olney, Louise, So. -----	Proctor, Vt.
Miller, Elliott, Jr. -----	Sioux Falls, S. D.	Olson, Charles, Jr. -----	Chicago, Ill.
Miller, John B., Jr. -----	Dobbs Ferry, N. Y.	Omundson, Marilyn, So. -----	Park Ridge, Ill.
Miller, John N., So. -----	Honolulu, Oahu, T. H.	Opdahl, Keith, Fr. -----	Oak Park, Ill.
Miller, Leo, Jr., Fr. -----	Wilmette, Ill.	Openlander, Ann, Fr. -----	Toledo
Miller, Marjorie, Fr. -----	Rocky River	O'Rourke, Henry, Sr. -----	Granville
Miller, Patricia, Fr. -----	Columbus	Osborn, Elisabeth, So. -----	Grosse Ile, Mich.
Miller, Theodore, Jr. -----	New York, N. Y.	Ottin, Kwaal K., Sr. -----	Kumasi, Gold Coast, Brit. W. Africa
Miller, William, Sr. -----	Xenia	Otto, Peter, So. -----	Maplewood, N. J.
Mitchell, Janet, So. -----	San Felix, Venezuela, S. A.	Overstreet, Robert, Sr. -----	Louisville, Ky.
Mitchell, Nancy, So. -----	Bellevue	Owen, Dean, Sr. -----	Mt. Vernon
Moor, William H. III, So. -----	Toledo	Owen, Margaret, Jr. -----	Indianapolis, Ind.
Moore, Barbara, Fr. -----	Chagrin Falls	Owen, Roger, Sr. -----	Cuyahoga Falls
Moore, Ellen, Fr. -----	Detroit, Mich.	Parrish, Patricia, So. -----	Columbus
Moore, Jamie, Sr. -----	Salisbury, N. C.	Parsons, Barbara, Jr. -----	Pittsburgh, Pa.
Moore, Marcia, So. -----	Youngstown	Parsons, John, Fr. -----	Huntington, W. Va.
Moore, Wilbur, Jr. -----	Youngstown	Passolt, Nancy, Sr. -----	Belle Vernon, Pa.
Moore, William, So. -----	Toledo	Pattison, Melvin, Fr. -----	Cleveland
Morgan, David, So. -----	Granville	Paxton, Marilyn, Jr. -----	Wilmette, Ill.
Morgan, Susan, So. -----	Sharon, Pa.	Pearson, Ronald, Jr. -----	Erie, Pa.
Morris, Mary Jean, Jr. -----	Oak Park, Ill.	Peckham, Charles, Jr., Jr. -----	Norwalk
Morrison, Hart, So. -----	Geneva	Peek, Carl, Fr. -----	Indianapolis, Ind.
Morrison, William, Jr. -----	Toledo	Peek, Jane, So. -----	Indianapolis, Ind.
Morrow, Barbara, Jr. -----	New Orleans, La.	Penirian, Frank, Jr., So. -----	Detroit, Mich.
Morse, Nancy, Fr. -----	Birmingham, Mich.	Pepple, Royal, Jr., Sr. -----	Elgin, Ill.
Morton, Joanne, Sr. -----	Indiana, Pa.	Petersen, George, Jr. -----	Arlington Heights, Ill.
Moseley, Judith, Fr. -----	Twinsburg	Peterson, Shirley, Fr. -----	Indianapolis, Ind.
Mulcahy, Evelyn, So. -----	Princess Anne, Md.	Phillips, James, So. -----	Jamestown, N. Y.
Muldur, Nigul, Fr. -----	Istanbul, Turkey	Phillips, Mary Jo, So. -----	Pittsburgh, Pa.
Mullan, George, Sr. -----	Rochester, N. Y.	Pickett, Hugh, Jr., Sr. -----	Parkersburg, W. Va.
Mullikin, Carol, So. -----	Easton, Md.	Pierce, Janet, Fr. -----	Strongsville
Mummary, Ray, So. -----	North Canton	Pierce, MacDonald, Jr., Jr. -----	Hudson
Murphy, Clayton, Jr. -----	Chicago, Ill.	Pierce, Richard, So. -----	Brooklyn, Conn.
Murphy, James, Jr., Fr. -----	Garden City, L. I., N. Y.	Pobst, Nancy, So. -----	Jackson, Mich.
Murray, Carleton, Sr. -----	Shaker Heights	Pobst, Richard, Sr. -----	Jackson, Mich.
Murray, Patricia, Sr. -----	Tarrytown, N. Y.	Pole, Robert, Jr., Fr. -----	Oak Park, Ill.
Murray, Richard, Fr. -----	Waverly	Poletti, Jeane, Fr. -----	Glen Rock, N. J.
Muskoff, John, Fr. -----	Navarre	Porter, Robert, Sr. -----	West Orange, N. J.
Myers, Audrey, Fr. -----	Toledo	Posey, James, Jr. -----	Granville
Myers, Nancy, So. -----	Middletown	Potest, John, Fr. -----	Louisville, Ky.
Myrdal, Kathryn, Fr. -----	Winnetka, Ill.	Powell, Anne, Sr. -----	Columbus
Nagy, Alexander, So. -----	Oneida, N. Y.	Prasse, Richard, Jr. -----	Winnetka, Ill.
Naah, Kenneth, So. -----	Cleveland Heights	Prather, Jack, Sr. -----	Columbus
Neal, Maryella, So. -----	Searcy, Ark.	Preston, Malcolm, Fr. -----	Glencoe, Ill.
Neale, Milton II, Fr. -----	Moylan, Pa.	Preucil, Alan, Jr., Fr. -----	River Forest, Ill.
Neff, Paul, Fr. -----	Granville	Price, Mary Louise, Jr. -----	Chicago, Ill.
Nelson, Grace-Darling, Sr. -----	Roanoke, Va.	Price, Robert, Jr. -----	Rochester, N. Y.
Nelson, Nancy, So. -----	Chambersburg, Pa.	Prine, Edgar, Jr. -----	Cleveland
Nelson, Robert, Fr. -----	Jamestown, N. Y.	Prine, Mary Helen, Fr. -----	Pittsburgh, Pa.
Newman, Carole, Fr. -----	Sharpville, Pa.	Prine, Paul, So. -----	Cleveland
Newman, Lydia, Fr. -----	Sharpville, Pa.	Pritchard, Joen, Jr. -----	Youngstown
Newkirk, Jean, Fr. -----	Cleveland Heights	Proffo, Winston, So. -----	Schenectady, N. Y.
Newman, Brian, So. -----	Alliance	Prosser, William, Fr. -----	Akron
Newton, John, Jr. -----	Columbus	Pryor, Edwin, Jr. -----	Newark
Nichols, David, Fr. -----	Youngstown	Pullea, John, Fr. -----	Pittsburgh, Pa.
Nicola, Nancy, Fr. -----	Shaker Heights	Pumphrey, Jean, Sr. -----	Dayton
Nielsen, Patricia, So. -----	Snyder, N. Y.	Pumphrey, Robert, Jr., So. -----	Dayton
Nisbet, Mart a, Jr. -----	Loveland	Purcell, David, Sr. -----	Frasersburg
Noethlich, Jerry, Fr. -----	Columbus	Puryear, Jean, Jr. -----	Brentwood, Tenn.
Nolan, James, Fr. -----	Rocky River	Putnam, Prudence, Sr. -----	Holyoke, Mass.
Norman, Leslie, Fr. -----	Lakewood	Quinby, Amelia, Fr. -----	Wooster
Norman, Lloyd, Fr. -----	Lakewood	Race, Jean, Jr. -----	Evanston, Ill.
Nussbaum, Nancy, Sr. -----	Marion	Race, Virginia, Jr. -----	Cedar Rapids, Iowa
Nuzum, Gretchen, Jr. -----	Janesville, Wis.	Rader, Richard, Fr. -----	Syracuse, N. Y.
Ohard, John, So. -----	Sewickley, Pa.	Ragsdale, Mildred, So. -----	Flint, Mich.
O'Dell, Clarence, Jr., Fr. -----	Grosse Pointe, Mich.	Ramadeil, Robert, Jr., Jr. -----	Middletown
Olcott, Jack, Fr. -----	New Britain, Conn.	Randolph, Walter, Jr., Jr. -----	Toledo
Oliver, John, Fr. -----	Springfield, Ill.	Ranney, Gall, Fr. -----	Cleveland Heights

Rasmussen, Elizabeth, Fr.	Shaker Heights	Shaheen, Sheryllyn, Sr.	Detroit, Mich.
Rasor, Philip, So.	Silver Lake	Sharp, Dorothy, Fr.	University City, Mo.
Reapp, Marilyn, So.	Findlay	Shaw, Theodore, Fr.	Wilmette, Ill.
Reiden, David, So.	Covington, Ky.	Sheahan, Allan, Sr.	Cleveland Heights
Rees, Frances, So.	Hammond, Ind.	Sheets, Joseph, Jr.	Detroit, Mich.
Rees, Phillip, Jr.	Manitowoc, Wis.	Sheil, Ralph, Jr., Fr.	Miamisburg
Reese, Robert, So.	Toledo	Sherman, Marjory, So.	Lakewood
Reid, Marcia, Fr.	Cincinnati	Shilliday, John, So.	Lyndhurst
Reid, Mary Lou, Fr.	Lima	Shinnick, Claire, So.	Birmingham, Mich.
Reid, Robert, Sr.	Shaker Heights	Shorney, Katherine, Jr.	Reisterstown, Md.
Reiners, Marian, Jr.	Cincinnati	Shoemaker, Mary, Fr.	Cleveland
Reinhart, Jewell, So.	Peninsula	Stoles, Susan, Jr.	Middlebury, Vt.
Retnauer, Robert, Jr.	Shelton, Conn.	Shorney, George H., Jr., Jr.	River Forest, Ill.
Rhodes, Bruce, Fr.	Niagara Falls, N. Y.	Shrader, Barbara, So.	Findlay
Rice, Harold, So.	Butler, Pa.	Shroyer, Victor, Sr.	Troy
Rice, Louis, Jr.	Cincinnati	Shumway, Julia, Fr.	East Aurora, N. Y.
Rich, Virginia, Fr.	New Canaan, Conn.	Silliman, Barbara, Fr.	Lakewood
Richardson, John, Fr.	Grosse Pointe, Mich.	Simmons, Jayne, Fr.	Lancaster
Rigz, Peggy Lou, Fr.	Uniontown, Pa.	Simmons, Lindsay, Ill, Fr.	Cincinnati
Riggs, Marilyn, So.	Erlanger, Pa.	Simmons, Margaret, So.	Cincinnati
Risley, Judith, Fr.	Connessut	Sippel, Nancy, Fr.	Midland, Mich.
Rittenhouse, Margaret, Sr.	Rochester, N. Y.	Sizer, Stephen, So.	Winnetka, Ill.
Ritter, Nicholas, Fr.	Paris, France	Skala, Mary Ann, Jr.	Cleveland
Robertson, Edwin, Fr.	Indianapolis, Ind.	*Skidmore, Thomas, Jr.	Cincinnati
Robinson, David, So.	Chagrin Falls	Skuce, Richard, So.	Toledo
Robinson, Julianna, Jr.	Rocky River	Sladky, Richard, So.	Brecksville
Rodgers, John, Jr., So.	Chagrin Falls	Slater, Carl, Jr.	Hammondport, N. Y.
Rogers, Bradley, So.	Cayuga, N. Y.	Slayton, Joyce, So.	Hardwick, Vt.
Rolt-Wheeler, Patricia, Sr.	Granville	Sloat, John, Jr.	Cranford, N. J.
Roper, Richard, Jr.	Toledo	Smaistic, Frederick, Jr.	Ingomar, Pa.
Rosenberger, Louise, Jr.	Shaker Heights	Smart, Jean, Fr.	Middleport
Rosen, Harold, Jr., Sr.	Shaker Heights	Smeitzer, Charlene, Jr.	Detroit, Mich.
Rothenhofer, Nancy, Fr.	Pittsburgh, Pa.	Smith, Charles, Jr.	Cleveland Heights
Rouce, Phillip, Fr.	Rocky River	Smith, Frances, Fr.	Grand Rapids, Mich.
Roudebush, George, H., Fr.	Akron	Smith, Gordon, Fr.	Dearborn, Mich.
Rouse, Marcia, Jr.	Port Huron, Mich.	Smith, Jean Adair, So.	Silver Spring, Md.
Roush, James, Jr., Jr.	Pittsburgh, Pa.	Smith, Jeanette, Jr.	Toledo
Rownd, Harry, Jr.	Canton	Smith, Joanne, So.	Youngstown
Rudolph, Alan, So.	Toledo	Smith, Judith, Fr.	New Castle, Pa.
Rugh, Virginia, So.	Westfield, N. J.	Smith, Truman, Sr.	Cleveland Heights
Ruhley, Janet, So.	Borghill	Smythe, Lynda, So.	Youngstown
Runkle, Leon, Fr.	Wheeling, W. Va.	Snyder, Janet, Fr.	Pittsburgh, Pa.
Runkle, Peter, Sr.	Zanesville	Snyder, Robert, Fr.	Wilmington
Ruak, Mary Alice, Fr.	Chestertown, Md.	Sobak, Helen, Fr.	Salem, W. Va.
Russ, Karen, Fr.	North Tonawanda, N. Y.	Sondies, Marilyn, Fr.	Sistersville, W. Va.
Rutherford, Thomas, Jr.	Columbus	Sovulewski, Jacquelyn, Sr.	West Orange, N. J.
Rymer, David, Sr.	New York, N. Y.	Sparr, Roxanne, So.	Xenia
Saar, Virve-Sylvia, Sp.	Toronto, Ont., Canada (Estonian)	Spear, Roger, Jr., So.	Wellisley Hills, Mass.
Safreed, Patricia, Fr.	Akron	Speidel, Richard, Jr.	Batavia
Salminen, Eerikki, Sp.	Helsinki, Finland	Spera, David, Fr.	Kenosha, Wis.
Scatterday, Jane, So.	Westerville	Spiegel, Barbara, Jr.	Tiffin
Schell, Katherine, Jr.	Indianapolis, Ind.	Spierri, Louise, Fr.	University Heights
Schenk, John, Jr.	Cleveland	Spy, Marjory, Jr.	Grand Rapids, Mich.
Schieber, David, Fr.	Bucyrus	Staley, Joyce, Jr.	Dayton
Schilling, Bruce, So.	Greenville	Starbuck, Frances, Sr.	Nicasio, Calif.
Schmidt, Mary Kay, Fr.	Greenville	Stark, Charles, Jr., Fr.	Cleveland
Schofield, Zou, Jr.	Wadana, Wis.	Stearns, Eugene M., Jr., Jr.	Evanston, Ill.
Schubach, Kathryn, Fr.	Canton	Steece, Constance, So.	Columbus
Schuette, Albert, Fr.	Poland	Steele, Harold, Jr.	Dobbs Ferry, N. Y.
Schulte, Marlene, Sr.	Pittsburgh, Pa.	Steelman, Raymond, Jr., Sr.	Maplewood, N. J.
Schwabe, Robert, Sr.	Euclid	Steffen, Thomas, Fr.	University Heights
Schwein, David, Fr.	Mansfield	Stein, Shirley, Jr.	Newtown
Schwing, Larry, Fr.	Bay Village	Steinberger, Robert, Jr.	Newark
Scott, Joanne, Fr.	Portland, Ore.	Steiner, Ralph, Fr.	Lima
Scott, Marian, Fr.	Philadelphia, Pa.	Stengel, Sally, Jr.	Washington, D. C.
Scott, Robert, Jr.	Elyria	Stephen, John, Sr.	Shaker Heights
Seeger, Arden Lou, Fr.	Columbus	Stevens, Arthur, Jr., Fr.	Chicago, Ill.
Sessions, Jane, Jr.	Lakewood	Stevenson, Richard, Fr.	Englewood, N. J.
Shackelford, Donald, Jr.	Mariemont	Stever, Jean, Sr.	Grosse Pointe, Mich.

Stewart, Nancy, Sr.	-----	Kalamazoo, Mich.	Underhill, Warren, Sr.	-----	Granville
Stewart, Robert, Fr.	-----	Covington, Ky.	Vance, John, Jr., Jr.	-----	Poland
Stouks, Charles, Jr.	-----	North Tonawanda, N. Y.	Vandaveer, Marjorie, Sr.	-----	Lakewood
Stone, Ann, Fr.	-----	Mechanicsburg, Pa.	Vandever, William, Jr., Fr.	-----	Philadelphia, Pa.
Stopher, Wesley, Fr.	-----	Mount Liberty	Van Domelen, Lucille, So.	-----	Holland, Mich.
Stout, Henry D., Jr.	-----	Dayton	Van Dussen, Mary, Fr.	-----	Rochester, N. Y.
Stout, Prentice, Fr.	-----	New York, N. Y.	Van Horn, Virginia, Jr.	-----	Monroeville
Streb, Jack, Sr.	-----	Point Pleasant, N. Y.	Van Velsor, Jeanmae, Sr.	-----	Troy, N. Y.
Stroh, Paul, Fr.	-----	Parma	Vega, Barbara, So.	-----	Park Ridge, Ill.
Strohmeier, Cynthia, Fr.	-----	Dayton	Vellacott, Elaine, Sr.	-----	Rutherford, N. J.
Sullivan, Suzanne, Sr.	-----	Hickory Corners, Mich.	Vermillion, Earl, Fr.	-----	Newark
Summers, Harry, Fr.	-----	Newark	Vincent, Norman, Sr.	-----	Newtonville, Mass.
Supple, Carolyn, Fr.	-----	Zanesville	Vogan, Alan, So.	-----	Canton
Sutherland, Donald, Jr.	-----	Short Hills, N. J.	Vogel, Julia, Fr.	-----	Detroit, Mich.
Swanger, Jane, Jr.	-----	Bethesda, Md.	Vogler, Carol, So.	-----	Lorain
Swanson, Drusilla, Jr.	-----	Jamestown, N. Y.	Vogt, Robert, Jr.	-----	Youngstown
Swanp, Beverly, Fr.	-----	Kalamazoo, Mich.	Volz, Raymond, Fr.	-----	Cambridge
Sweger, Harry, Sr.	-----	Newark	Voss, Eleanor, Fr.	-----	Toledo
Syvtaen, Carol, Fr.	-----	Rocky River	Wachs, Marcia, So.	-----	Prairie View, Ill.
Talmadge, Joseph, Jr., Sr.	-----	Lima	Wade, David, So.	-----	Cincinnati
Tappin, Paul, So.	-----	Scarsdale, N. Y.	Wade, Patricia, Sr.	-----	Cincinnati
Tatnal, Kathleen, So.	-----	Philadelphia, Pa.	Waggoner, Margaret, Sr.	-----	Newark
Taylor, Carol, Jr.	-----	Dayton	Wagner, Carolyn, Jr.	-----	River Forest, Ill.
Taylor, Jane, Fr.	-----	Pittsburgh, Pa.	Wagner, Nancy, Fr.	-----	Buffalo, N. Y.
Taylor, Jo Ann, Sr.	-----	Pickerington	Wahle, Janet, So.	-----	Indianapolis, Ind.
Taylor, Karen, So.	-----	West Orange, N. J.	Wakeman, Richard, Jr.	-----	Bridgeport, Conn.
Taylor, Mary Ann, So.	-----	Mansfield	Walker, Harold Jr., Jr.	-----	New York, N. Y.
Ten Cate, Garet, Fr.	-----	Butler, Pa.	Walker, Helen, Fr.	-----	Dover Plains, N. Y.
Teweles, Hugh, So.	-----	Milwaukee, Wis.	Walker, Nancy, So.	-----	Chicago, Ill.
Thaeler, Joyce, Fr.	-----	University Heights	Wallauz, Glenn, Jr.	-----	Cleveland
Thomas, Carolyn, Fr.	-----	Huntington, W. V.	Walmsley, Haines, Jr., Sr.	-----	Birmingham, Mich.
Thomas, Joseph, Fr.	-----	Marion	Walters, Roger, Fr.	-----	Canton
Thomas, Neal, So.	-----	Mancos, Colo.	Walton, Charles, Fr.	-----	Piqua
Thomas, Shirley, Sr.	-----	Grand Rapids, Mich.	Ward, Allan, Fr.	-----	Bellwood, Ill.
Thompson, Kenneth, Jr., Sr.	-----	Winnetka, Ill.	Ward, James, Fr.	-----	Waverly
Thompson, Marlen, Jr.	-----	Swarthmore, Pa.	Watkins, Jane, So.	-----	Warren
Thompson, Robert, Jr.	-----	Cincinnati	Watkins, Martha, So.	-----	Westerville
Thompson, Shirley, Fr.	-----	Marietta	Watson, Mary Katherine, Sr.	-----	Park Ridge, Ill.
Thompson, William, Jr., Sr.	-----	Blue Island, Ill.	Watson, Louis, Fr.	-----	Pelham Manor, N. Y.
Thomson, Edward, Jr., Sr.	-----	Coshocton	Weagle, Cyril, Jr., Sr.	-----	Cleveland Heights
Thrasher, Robert, Jr., Sr.	-----	Lisbon	Weathers, C. William, Fr.	-----	South Bend, Ind.
Throckmorton, Alwyn, Jr., Jr.	-----	Newark	Weaver, Richard, Fr.	-----	Youngstown
Thuma, Jane, Jr.	-----	Jamestown	Weber, Alice, Fr.	-----	Chicago, Ill.
Thurn, Ann, So.	-----	Bethlehem, Pa.	Weber, Catherine, Jr.	-----	Cincinnati
Titus, Louise, Fr.	-----	Granville	Weber, Edward, Sr.	-----	Toledo
Tompkins, Elizabeth, Fr.	-----	Rochester, N. Y.	Weisenbarger, Jane, Fr.	-----	Lima
Tonneberger, Bonnie, Jr.	-----	Toledo	Wellman, Carolyn, Jr.	-----	Westfield, N. J.
Torrance, Mary, So.	-----	Bremen	Wensinger, Charles, Fr.	-----	Gross Pointe, Mich.
Toussaint, Carol, Jr.	-----	Greeley, Colo.	Wenzel, Robert, Fr.	-----	Newark
Townsend, Betsy, Fr.	-----	East Cleveland	Westlake, James, Jr.	-----	Granville
Trace, Linda, Fr.	-----	Dayton	Weston, Edward, Sr.	-----	Dayton
Trautman, Warner, So.	-----	Columbus	Whaley, Judith, Jr.	-----	Shaker Heights
Travis, James, Jr.	-----	Grand Rapids, Mich.	Whitacre, Halford, Jr., Fr.	-----	Bowling Green
Trimble, Barbara (Gilbert) Sr.	-----	Granville	Whitcomb, Carolyn, Jr.	-----	Hiram
Trimble, John, Sr.	-----	Granville	White, James, Fr.	-----	Anchorage, Alaska
Troll, Robert, Sr.	-----	Montclair, N. J.	Whitelaw, Gail, So.	-----	Evanston, Ill.
Truesdail, Penelope, Sr.	-----	Old Greenwich, Conn.	Whitmer, William, Jr.	-----	Wheaton, Ill.
Truman, Patricia, Fr.	-----	Granville	Whitney, Susan, Jr.	-----	Conneaut
Tubbs, Joan, So.	-----	Grand Rapids, Mich.	Wickenden, Ruth, Sr.	-----	Bronxville, N. Y.
Tucker, Nancy, So.	-----	Warren	Wicbell, Thomas, Fr.	-----	Cincinnati
Turkey, Jenn, So.	-----	Pittsfield, Mass.	Wiest, Wilda, Sr.	-----	Uhrichsville
Turk, Joahne, Jr.	-----	University Heights	Wigginton, Helen, Sr.	-----	Carnegie, Pa.
Turner, Mary, Jr.	-----	Canton	Wiley, Noxon, Fr.	-----	Halesite, L. I., N. Y.
Tuttle, Barry, Fr.	-----	Pontiac, Mich.	Wilkins, Nancy, Fr.	-----	Sharpsville, Pa.
Tyrell, Nancy, So.	-----	Milwaukee, Wis.	Wilkinson, Robert, Fr.	-----	Zanesville
Uberax, John, Sr.	-----	Cleveland Heights			
Ufner, William, Sr.	-----	Newark			

Wilks, Judith, Fr.	Fort Wayne, Ind.	Woods, Anne, Fr.	Cincinnati
Williams, Arlene, Fr.	Kent	Woods, Rachel, So.	Ashland, Ky.
Williams, Elizabeth, Jr.	Bridgeport, Conn.	Woods, Robert, Jr.	Snyder, N. Y.
Williams, Francis, Jr., Sr.	Warren	Woods, Winifred, Sr.	Charleston, W. Va.
Williams, John, So.	Granville	Woodward, Carol, Fr.	Wheaton, Ill.
Williams, Lynn, So.	Kenilworth, Ill.	Woodward, Carolyn, Sr.	Oak Park, Ill.
Williams, Margaret, So.	Youngstown	Woodward, June, Fr.	Oak Park, Ill.
Williams, Nancy, Fr.	Cincinnati	Woodyard, David, Jr.	Oak Park, Ill.
Williams, Sharon, So.	Zanesville	Wosinski, John, Sr.	North Tonawanda, N. Y.
Williams, Thomas E., Sr.	Leonia, N. Y.	Wright, Florence (Hollingworth) Jr.	Granville
Williamson, Peggy, Sr.	Newtown	Wright, Janet, Jr.	Columbus
Willis, David, So.	Painesville	Wright, Kenneth, Fr.	Swarthmore, Pa.
Willis, Marie, Fr.	Painesville	Wucher, Fred, Fr.	Pittsburgh, Pa.
Willis, Ronald, Fr.	Glen Elyn, Ill.	Wylie, Andrew, So.	Glencoe, Ill.
Wilson, Helen, So.	Cleveland	Wyse, David, Fr.	Managua, Nicaragua, C. A.
Wilson, Jean, Jr.	Shaker Heights		
Wilson, Robert, Jr., Fr.	Battle Creek, Mich.	Yasumura, Rayko, Jo.	Tokyo, Japan
Winans, Thomas, Jr.	Ashland, Ky.	Yates, Mary Ann, So.	Pennsboro, W. Va.
Winkler-Prins, Elizabeth, Jr.	Pellam, N. Y.	Yoskam, Ruth, Fr.	Utica
Winship, Robert, So.	Shaker Heights	Yohe, Douglas, Jr.	Bethesda, Md.
Winters, Margaret, Sr.	Columbus	Yohe, Robert, Fr.	Cuyahoga, Falls
Wiseley, Martha, Sr.	Findlay	York, Richard, Fr.	Erie, Pa.
Withers, Elizabeth, Sr.	Columbus	Yost, Jean, Sr.	Aurora
Witzman, Alice, Fr.	Everett	Youn, Chung Sul, So.	Pusan, Korea
Wolfe, Dale, Jr.	Garfield Heights	Young, Barbara, Jr.	Freeport, Ill.
Wood, John, E. F., Jr., Fr.	Scarsdale, N. Y.	Young, Charles, Fr.	Oklahoma City, Okla.
Wood, Martha, Fr.	Laguna Beach, Calif.	Young, Elna-Jean, Sr.	Rock Island, Ill.
Wood, Palmer, Fr.	Birmingham, Mich.		
Wood, Richard, Fr.	Columbus	Zeigler, Jean, So.	Cincinnati
Wood, Virginia, Sr.	Tuckahoe, N. Y.	Zeigler, Norman, Fr.	Brookline, Mass.
Wooden, Ruth, Sr.	Winnetka, Ill.	Zoeller, Bonnie, Fr.	Wheaton, Ill.
Woods, Ann (Jill), Jr.	Lucas		

PART-TIME STUDENTS

Beattie, Anna B.	Granville	Loehner, John	Granville
Biefeld, Ramona (Mrs.)	Granville	Stratton, Margaret B. (Mrs.)	Granville
Boner, William	Newark	Truman, Margaret (Mrs.)	Granville
Healy, Timothy	Newark	Walkenshaw, James	Granville
Larimer, Mary (Mrs.)	Granville	Warner, Sharon	Newark
Lee, Sung Hee	Pusan, Korea		

Non-College Students in Conservatory

Carter, Royce (Mrs.)	Granville	King, Sylvia	Granville
Dudley, Jack	Granville	McKnight, Joanne	Central City
Dunfield, Deborah	Granville	Poff, Brenda	Granville

A. SUMMARY OF STUDENT ENROLLMENT

DENISON UNIVERSITY

1952-53

	FIRST SEMESTER		
	Men	Women	Total
Seniors -----	105	110	215
Juniors -----	138	109	247
Sophomores -----	120	167	287
Freshmen -----	200	198	398
Special -----	5	1	6
Total	<u>568</u>	<u>585</u>	<u>1,153</u>
Part-time (college rank)	5	6	11
Conservatory of Music			
College Rank	46	131	177
Non-College	<u>1</u>	<u>5</u>	<u>6</u>
Grand Total, Exclusive of repetition-----	574	596	1,170

B. SUMMARY OF ENROLLMENT BY STATES AND
FOREIGN COUNTRIES
FIRST SEMESTER 1952-53

States and Territories	Men	Women	Total
Alaska	1	0	1
Arkansas	0	1	1
California	3	4	7
Colorado	1	1	2
Connecticut	12	5	17
District of Columbia	0	2	2
Florida	1	0	1
Hawaii	2	0	2
Illinois	54	57	111
Indiana	9	16	25
Iowa	0	2	2
Kentucky	7	5	12
Louisiana	0	2	2
Maine	1	0	1
Maryland	3	9	12
Massachusetts	10	8	18
Michigan	45	44	89
Minnesota	0	1	1
Missouri	0	4	4
Nebraska	1	0	1
New Jersey	18	17	35
New York	46	43	89
North Carolina	1	2	3
Ohio	289	269	558
Oklahoma	1	0	1
Oregon	0	1	1
Pennsylvania	36	61	97
Rhode Island	0	2	2
South Dakota	1	0	1
Tennessee	0	1	1
Texas	1	0	1
Vermont	0	4	4
Virginia	1	3	4
West Virginia	7	9	16
Wisconsin	9	6	15
Total United States	560	579	1,139
British West Africa	2	0	2
Canada	0	1	1
Estonia	0	1	1
Finland	1	0	1
France	2	0	2
Japan	0	1	1
Korea	0	1	1
Nicaragua	1	0	1
Norway	1	0	1
Turkey	0	1	1
Uruguay	1	0	1
Venezuela	0	1	1
Grand Total	568	585	1,153
Total States and Territories Represented	-----	-----	35
Total Foreign Countries Represented	-----	-----	12
Grand Total	-----	-----	47

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