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OTTERBEIN COLLEGE

BULLETIN

117th YEAR

1963
1964

CATALOG NUMBER

for the year 1963-1964

with announcements for 1964-1965

OTTERBEIN COLLEGE BULLETIN

THE ONE HUNDRED AND SEVENTEENTH YEAR

Westerville, Ohio

AUGUST, 1963
Volume LVIII, No. 4

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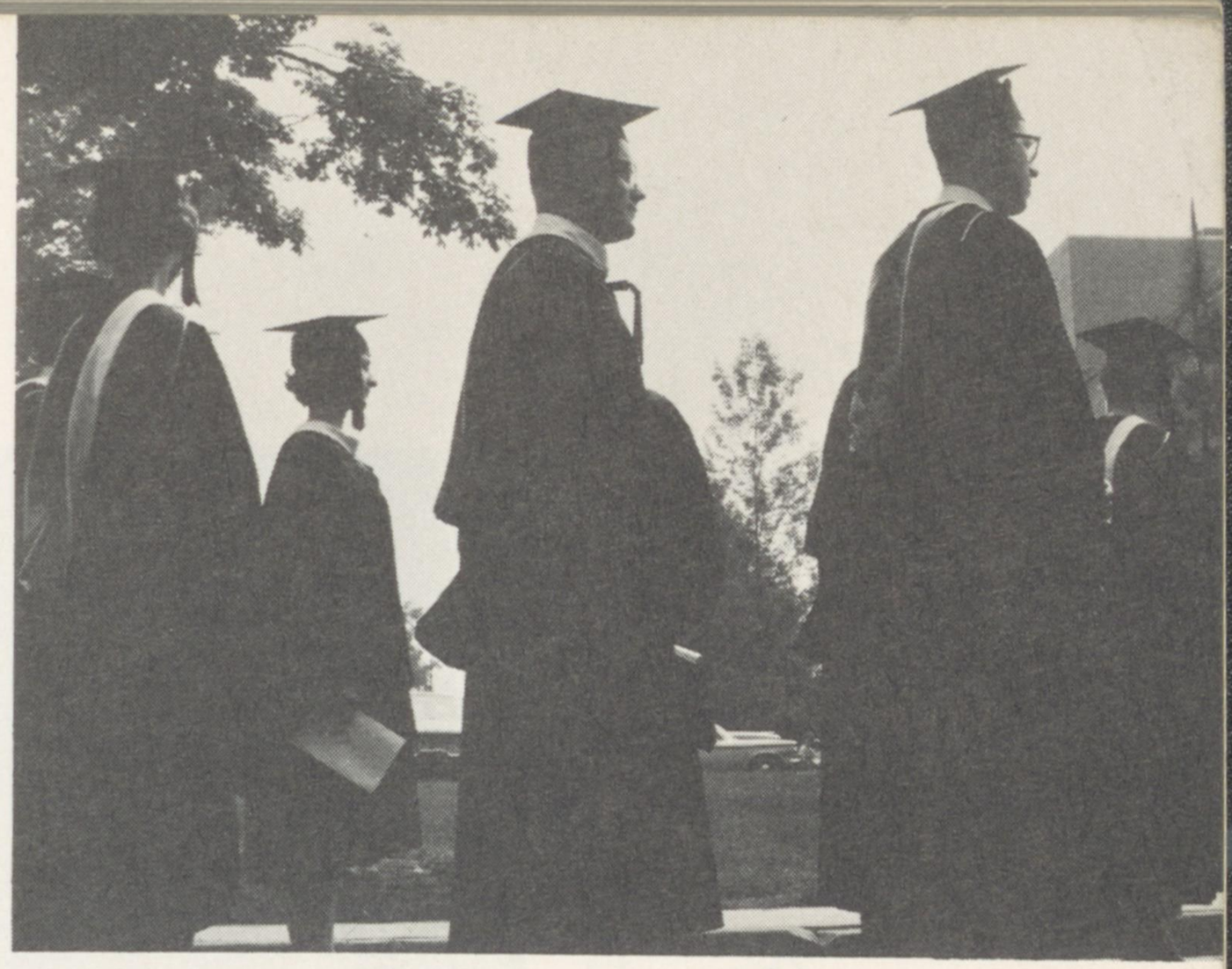
OTTERBEIN
COLLEGE
FOUNDED 1847
CLASS OF 38
CLASS OF



PURPOSE OF OTTERBEIN COLLEGE

Otterbein College is devoted primarily to a program of Christian liberal arts education. She seeks for her faculty and students liberation from the limitations of opportunity and outlook belonging to a particular race, class, region, or nation, and leads them in the impartial search for truth, social justice, and a Christian world order. Whenever the college finds it desirable to give instruction in specialized, vocational, or other kinds of limited knowledge, she makes clear the relationship of such training to individual, social, and religious needs which are permanent and universal. Cherishing and creating the Christian and democratic traditions in a living world society, *Otterbein holds to her major purpose: to discover, to motivate, and to train intellectual leaders in every student generation for Christian service in church and society.*

College Calendar for 1963-1964

1963

Sept.	6	Friday	Faculty Conference
	7	Saturday	1:00 p.m.—Freshman Period Begins
	11	Wednesday	8:00 a.m. to 5:00 p.m.—Registration for 1st Semester
	12	Thursday	7:45 a.m.—1st Semester Classes Begin
Oct.	12	Saturday	Parents' Day
	26	Saturday	Homecoming
Nov.	6	Wednesday	Mid-semester
	13	Wednesday	Mid-semester Grades due in Registrar's Office
	27	Wednesday	12:15 p.m.—Thanksgiving Recess Begins
Dec.	2	Monday	7:45 a.m.—Classes Reconvene
	20	Friday	12:15 p.m.—Christmas Recess Begins

1964

Jan.	6	Monday	7:45 a.m.—Classes Reconvene
	11	Saturday	8:00 a.m. to 2:00 p.m.—Registration for 2nd Semester
	20-24	Monday through Friday	—1st Semester Examinations
	27	Monday	12:00 noon—1st Semester Grades due in Registrar's Office
	28	Tuesday	1:00 p.m. to 4:00 p.m.—2nd Semester Registration New Students
	29	Wednesday	7:45 a.m.—2nd Semester Classes Begin
Feb.	1	Saturday	Winter Homecoming
	16-20	Sunday through Thursday	—Religion in Life Week
March	20	Friday	Mid-semester
	27	Friday	12:00 noon—Mid-semester Grades due in Registrar's Office
	27	Friday	12:15 p.m.—Spring Vacation Begins
	29	Sunday	Easter
April	6	Monday	7:45 a.m.—Classes Reconvene
	27	Monday	Founders' Day
May	9	Saturday	May Day
	16	Saturday	8:00 to 12:00 Pre-registration for 1st Semester 1964-1965
	20	Wednesday	Senior Recognition Day
	25-29	Monday	through Friday—2nd Semester Examination Period
	30	Saturday	Memorial Day
	31	Sunday	Baccalaureate
June	1	Monday	One Hundred and Eighth Annual Commencement, Concluding the 117th Year
	4	Thursday	2nd Semester Grades due in Registrar's Office

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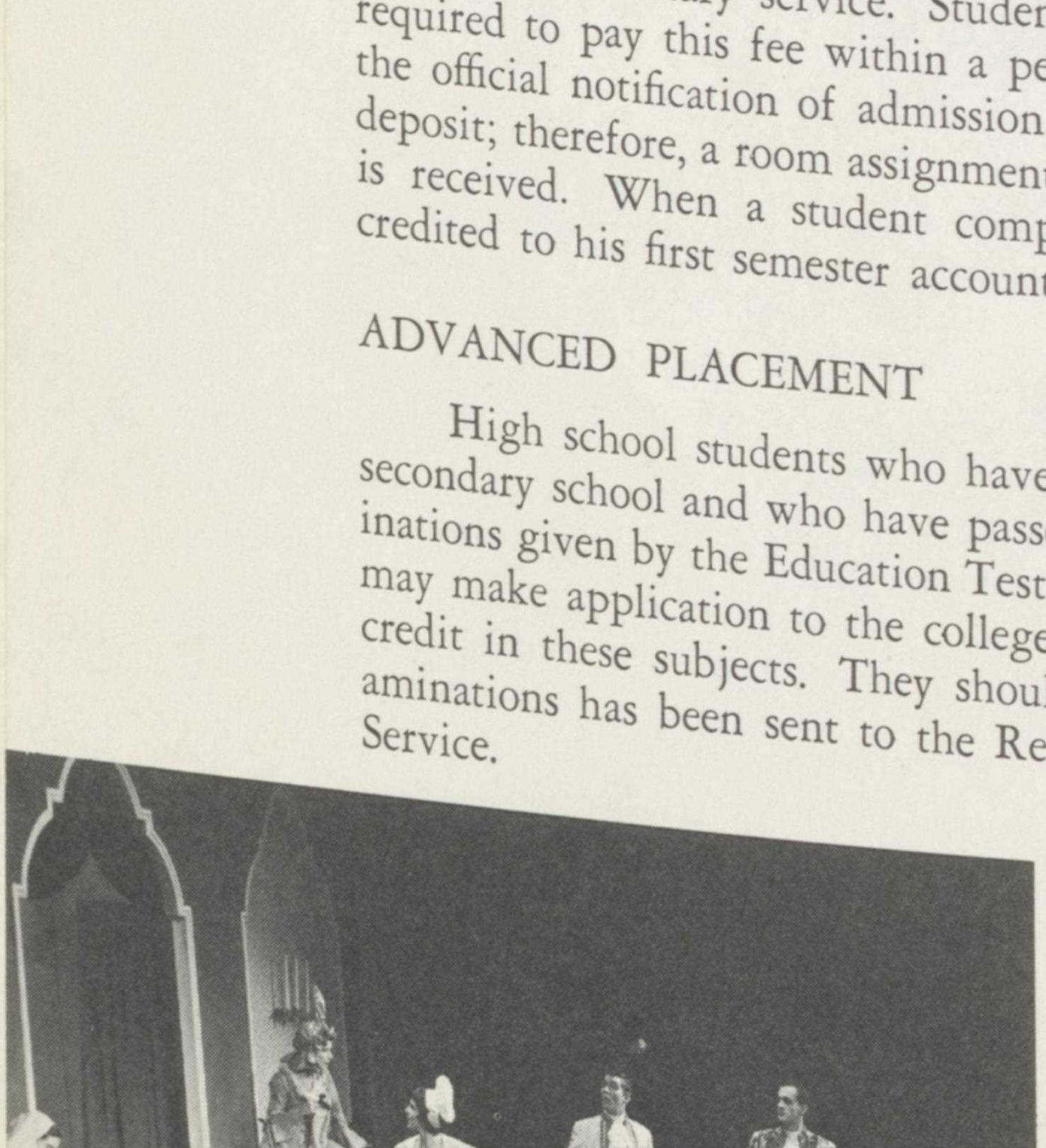
2. High School transcript. The transcript should include all work completed at the time the application is sent. (A supplementary transcript will be required after graduation.) Transcripts should be sent by the high school principal directly to the Admissions Office.
3. College Entrance Examination Board (SAT) scores.
4. Health Record. The applicant will be supplied a blank for a record of his physical examination about May 1. The attending physician should send this blank directly to the Admissions Office. This record must be received before the student will be officially registered.

The college believes that personal interviews with all applicants are highly desirable and invites applicants to come to the campus for a visit and interview. Parents are cordially invited to visit the college.

A non-refundable processing fee of $10.00 must accompany the application. Applications cannot be processed until this fee is received. Once a student is accepted an advance payment of $40.00 toward tuition is required. This payment must be made by May 1 after which date it will not be refunded under any conditions except when a student has entered military service. Students admitted after May 1 will be required to pay this fee within a period of two weeks after receiving the official notification of admission. This fee is also used as a room deposit; therefore, a room assignment cannot be made until this amount is received. When a student completes his registration, this fee is credited to his first semester account.

ADVANCED PLACEMENT

High school students who have taken college level courses in the secondary school and who have passed the Advanced Placement Examinations given by the Education Testing Service, Princeton, New Jersey, may make application to the college for either advanced placement or credit in these subjects. They should see that the report of their examinations has been sent to the Registrar by the Educational Testing Service.



Introducing Otterbein

Otterbein College opened its doors to the first class of eight students on September 1, 1847. It was the first college in the United States to begin as a co-educational institution, and the first to employ women on its faculty. Its classes have been open from its inception to students of all races, nationalities, and creeds.

Much of this spirit of independent pioneering stems from the association of Otterbein College with the Evangelical United Brethren Church, the first American-born denomination. The college takes its name from Philip William Otterbein, a young missionary from Germany, who arrived in Pennsylvania in 1752 to minister to the German-speaking colonists in America, and remained to become the founding bishop of the United Brethren Church. Independence of thought, combined with simple sincerity and a zeal for personal Christian living has always marked the members of this church as well as those of the Evangelical Church with which it united in 1946.

The influence of this religious idealism has continued to the present as Otterbein College seeks to improve both the quality and the character of its educational opportunities. During the national struggle over slavery the college students and faculty were active in the cause of emancipation. Over one hundred and seventy men from the young institution enlisted in the Union armies. It was while Benjamin R. Hanby was a sophomore at Otterbein that he wrote "Darling Nellie Gray," a song which spoke with a powerful voice for the cause of freedom. Otterbein men have fought for their country's cause in each of the tragic wars since 1861, but they have been equally devoted to the service of their fellow men in times of peace. Among the more than 7,000 alumni of the college are men and women who have taken positions of leadership in the church, the state, the arts, the business world, and in education.

Though Otterbein College retains many of its original traditions, it has grown in material resources and in the scope of its educational objectives. The land and buildings were originally valued at thirteen hundred dollars and there was no endowment; today the total valuation, including endowment, is nearly seven and a quarter million dollars. The original faculty consisted of two teachers; today there are over a hundred on the instructional and administrative staff.

The college has anticipated the needs of the future by planning for an expansion of fifty per cent in the size of the student body and in requisite personnel and facilities. This expansion, however, will not dilute the quality of education at Otterbein, nor damage the essential character of the institution. The objective of our educational program is to cultivate the whole personality of each student and to foster in our graduates the understanding and attitudes necessary for successful living. An education at Otterbein should provide every graduate with the knowledge and the skill either to obtain immediate employment in a stimulating job, or to continue graduate and professional training with a thorough background.

Campus and Buildings

Otterbein's campus occupies about forty acres on the west side of Westerville. It is bounded by Alum Creek which provides canoeing in warm weather and skating in the winter. Also adjoining the campus is the Westerville city park (in which a band shell is located) furnishing facilities for many out-of-doors college events.

Towers Hall is the central landmark of the campus. Constructed in 1870 it is the main classroom building and also contains faculty offices and the Clements Memorial carillon. The three towers have become a symbol of the college and appear on the cover of this catalog.

The Clippinger Administration Building is named in honor of Dr. Walter G. Clippinger, President of the college 1909 to 1939. It houses the majority of the administrative offices including the Office of Admissions.

The Centennial Library was constructed in 1950. It has a beautiful reading room, study carrells, listening and projection rooms as well as the Otterbein Historical room and lounge. It houses more than 52,000 bound volumes.

McFadden Science Hall is home to the departments of biology, chemistry and physics, and contains the Weitkamp Planetarium and reflecting telescope observatory.

Lambert Fine Arts Building houses the departments of art and music. It has music and art studios, practice rooms, lecture rooms and the Hall Memorial Auditorium.

Alumni Gymnasium provides facilities for men's physical education and classrooms for some other departments. The men's gymnasium is the scene of intramural and intercollegiate basketball and other gymnasium sports.

The Association Building is headquarters for the YMCA and YWCA. It has some offices, social rooms, game room, and women's gymnasium.

Cowan Memorial Hall was the gift of Mr. C. E. Cowan. It is the scene of chapel and convocations and other public programs. WOBN-FM has its studios and the major productions of the Otterbein College Theatre are presented here. The building also contains offices for the department of speech.

King and Cochran are residence halls for freshman women with total accommodations for 195. Freshman residence halls for both men and women also house the junior counsellors who are selected from upperclass Otterbein students to live and work with freshmen. *Saum Hall* is a residence for sophomore women and accommodates 33. *Clements* and *Hanby* are the two most recently constructed residence halls, *Hanby* having been completed in 1961. They house 224 sophomores, juniors and seniors. The sorority rooms are also located in *Clements Hall.*

Housing for men is located on the north campus and consists of the freshman men's quadrangle made up of *Garst, Sanders, Scott* and *Engle* halls. *Davis Hall* is a residence for upperclass men. All the men's housing has been constructed within the past three years and provides modern and pleasant facilities for men who live on campus.

The Guest House is a gracious home on campus which has accommodations for 10 overnight guests as well as room for small group meetings.

Clements Cottage (the home economics house) is fully equipped for the teaching of home economics. It has a comfortable living room, kitchens, classrooms and offices.

The Student Union is on the north campus and has recreational facilities including a TV room and snack bar. The student union is a temporary building and will soon be replaced by a new student union and dining hall.

The Otterbein Memorial Stadium has shower rooms for teams, and equipment rooms for physical education classes. There are booths for broadcasting and the athletic field is equipped with lights for night games.

Barlow Dining Hall has facilities for the student body as well as a faculty dining room which is open to the public. Barlow is used for social events and other group meetings as well.

Health Center houses the clinic, dispensary and infirmary. The Health Center is staffed with nurses at all times and the college physicians hold daily clinic hours.

Howard House is the president's home, named in honor of Dr. J. Gordon Howard, president of the college from 1945 to 1957.

Grove House, centrally located on the campus, contains student personnel offices: The Dean of Students, the Dean of Women, the Chaplain, and the Dean of Men.

Robins' House on West Park Street contains the offices of the Vice President in charge of Development, and the Director of Church and Alumni Relations.

The Central Heating Plant is equipped with modern coal boilers which provide heat for the entire campus. It also contains garages and maintenance shops.

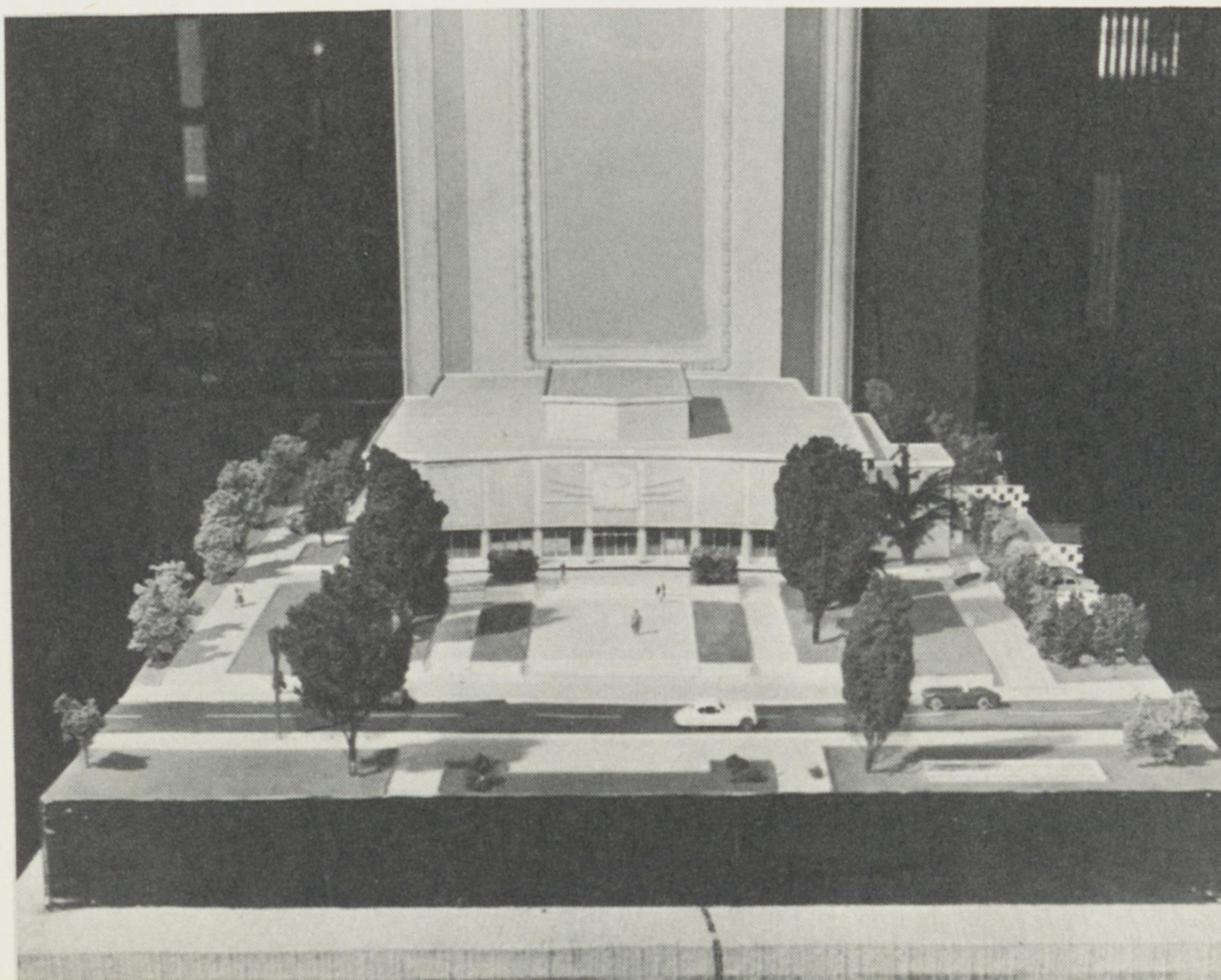
Facing the campus are the First Evangelical United Brethren Church and the Hanby Historical House, in which Benjamin Hanby lived when as a student at Otterbein he wrote "Darling Nellie Gray." This house is maintained by the Ohio Historical Society. The Second Evangelical United Brethren Church is not far from the main campus.

ACCREDITATION

Official recognition of a college by standardizing agencies indicates that the institution so recognized maintains high standards of scholarship and academic excellence and that its credits are accepted for entrance to graduate and professional schools.

Otterbein College is a member of, or is approved by, the North Central Association of Colleges and Secondary Schools, the American Association of University Women, the Association of American Colleges and Universities, the National Association of Schools of Music, the Ohio College Association, The American Association of Colleges of Teacher Education, and the State Department of Education of Ohio as well as by departments of education in other states.

Otterbein is approved for training high school teachers in the regular academic fields and in the specialized fields of fine arts, speech, home economics, music, physical education and elementary education.



ΛΓΕ
Phi Mu
PI BETA SIGMA
KAPPA PHI OMEGA
Pi Kappa Phi
Sigma Alpha Ep
Alpha Kappa Psi
TAU DELTA
SIGMA DELTA PHI

Student Life

ORIENTATION AND ADVISERS

Freshman Orientation takes place during the three days before registration each fall, and is a time during which new students take a series of tests, confer with their advisers, prepare for registration and classes and get acquainted with each other and the campus.

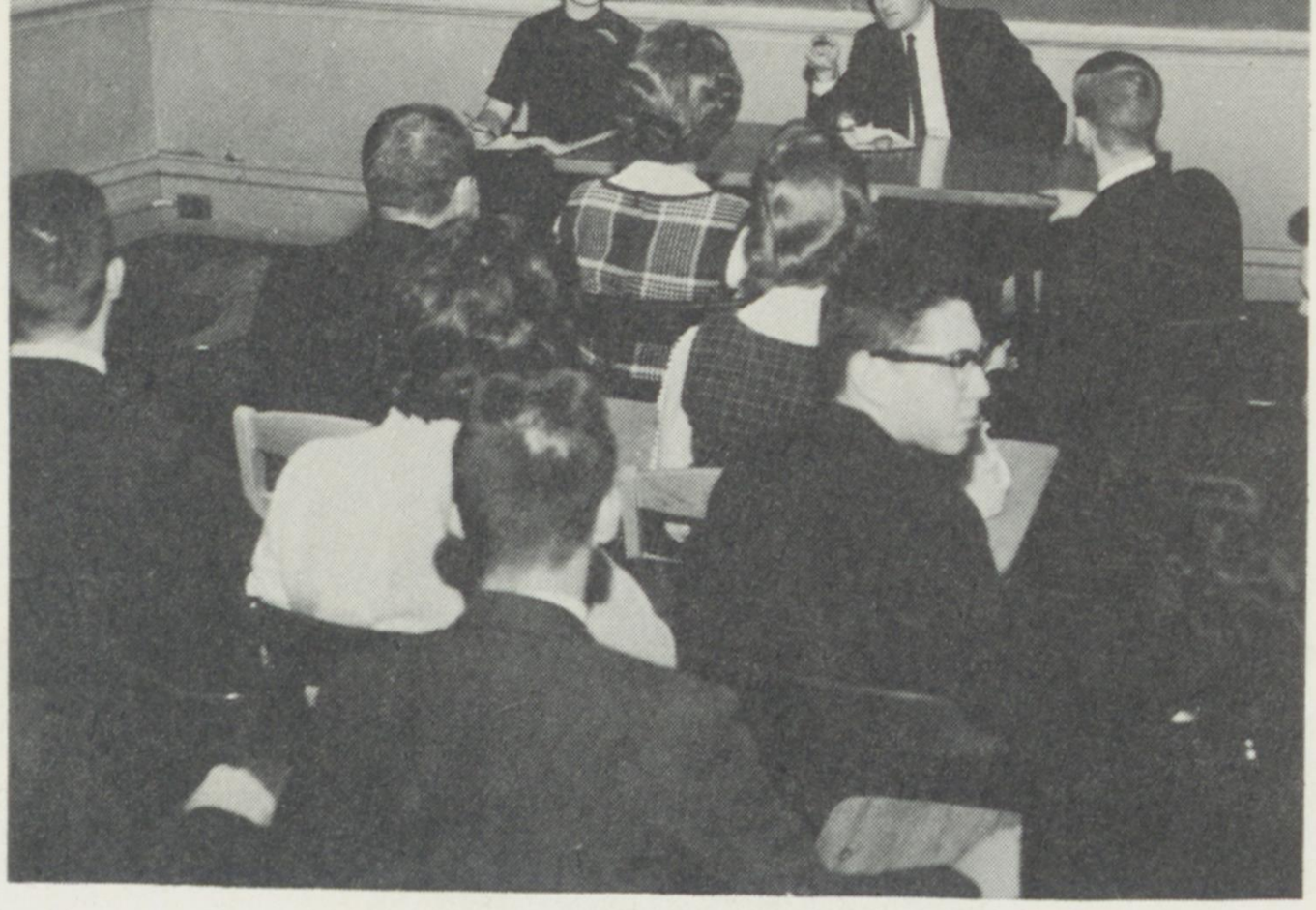
Freshman Forum is a series of convocations which meet once a week through the first semester. They include discussion sessions with Otterbein faculty, outside speakers and general information sessions. The Freshman Forum is designed both to give the freshman student information he needs and to equip him for an easy and successful transition to college life and work.

Otterbein has a *Faculty Adviser System.* A marked advantage of the smaller college is that students have immediate access to qualified personnel should either academic or personal problems arise. Every student is assigned to an academic adviser and should consult with him carefully in making out his program.

STUDENT GOVERNMENT

The College cultivates an attitude of individual responsibility in its students for the social well-being of the campus community.

Working under a Student Government Constitution, approved by the Board of Trustees, the administration and the students cooperate to a great degree. The students are granted responsibilities in the fields of administration and legislation, and receive privileges in return. Thus a solid democratic foundation has been formed upon which is built a true and enduring spirit of loyalty and cooperation. The activities of the Student Government are so diversified that each student



can find one area that will interest him or her, and at the same time be afforded an opportunity to become acquainted with and analytical of the problems facing citizens in a self-governing and democratic society.

The Student Senate which consists of representatives of the four classes, (plus one representative each from the W.S.G.A., M.S.G.A., Interfraternity and Panhellenic Councils, the C.C.A., and of student organizations) is intended to facilitate the understanding of these responsibilities and to provide a means of making student opinion known. The Student-Faculty Relations Committee consists of five members of the Student Senate and five members of the faculty and is a cooperative body which deals with campus problems.

All women students on the campus are members of the Women's Student Government Association. The W.S.G.A. Board consists of officers elected by the women's student body, representatives of the women's living centers and upperclass counselors. Each residence hall is governed by student-elected officers, the head resident acting in the capacity of a counselor. Frequent house meetings are held so that all phases of group living may be considered and adapted to the needs and interests of the group in residence. The W.S.G.A. plans through dormitory life to furnish an opportunity for the growth of individual responsibility and for the development of social consciousness and consideration for the welfare of others.

Men students on the campus are governed by the Men's Student Government Association. A governing board, M.S.G.B., is established by the Association with a representative from each fraternity, independent men and one representative from the freshman men's dormitories and one from the upper class dormitory. The governing body for each dormitory is the Dormitory Council. The purpose of these organizations is to promote better living and social conditions as well as to maintain high standards of social conduct by all men.

Violations of college regulations which require judicial consideration are tried by the Student Court, consisting of eight student judges. The most serious cases are heard by the Campus Council, on which there is both faculty and student representation.

PUBLICATIONS AND RADIO

The *Tan and Cardinal* is the college newspaper and is published by a student staff each week during the college year. The *Sibyl* is the college annual and is also published by a student staff. Both of these publications function under the supervision of the Student Publications Board.

The *Quiz and Quill* is an annual publication of the Quiz and Quill Club and contains the best creative writing of current students and alumni. The *Student Life Handbook,* published annually, contains valuable information about student organizations, college regulations and extra-curricular activities.

There are two quarterly publications, the *Otterbein College Bulletin* and the *Otterbein Towers.* The Bulletin may take different forms, a catalog, a departmental folder, or a general information pamphlet. *The Towers* is published by the Alumni Council in the interest of alumni and friends.

Station WOBN-FM, the campus radio station, is operated by students under the supervision of the Department of Speech. The radio and television stations of Columbus and vicinity air many Otterbein produced programs.

THE WASHINGTON SEMESTER PLAN

Otterbein College is a member of the Washington Semester Plan. Under this plan students live in Washington for one semester, preferably in their junior year, observe the functioning of the national government, and take courses at American University. Before being admitted to the program, students must attain a cumulative average of 2.8 and be approved by the Social Studies Division. (Preferably they should have taken at least six hours of government before going to Washington.) Additional information about the plan may be obtained from the members of the Department of History and Government.

THE MERRILL-PALMER INSTITUTE SEMESTER PLAN

Students majoring in such areas as home economics, elementary education, psychology, and sociology with special interests in family life education, psychotherapy, group dynamics, and marriage-family counseling may join the Merrill-Palmer Institute Plan. Participants live near the Institute in Detroit during the second semester of their junior year and take a normal academic load of about seventeen hours for which Otterbein gives them credit. To be eligible for the program the student must have attained an average of 3.3 in his major, at least six hours of which he has completed. His admission to the program

must be approved by the Division in which his major falls. Additional information about the plan may be obtained from the Registrar or the chairman of the student's major field of study.

FISK UNIVERSITY STUDENT EXCHANGE PLAN

Students majoring in sociology, with special interest in race relations, who are interested in living in the South in a predominantly Negro collegiate community, may exchange places with Negro students who might be interested in living in the North in a predominantly white collegiate community. They would usually exchange places on their respective campuses for the second semester of the junior year, taking a normal academic load of about seventeen hours in their major for which their alma maters would grant them credit. To be eligible for recommendation for this exchange program a student should have attained a 3.3 point cumulative average in his sociology major, in which he has completed at least six hours, and be approved by the Social Studies Division. Additional information about the plan may be obtained from the Registrar or the Chairman of the Department of Sociology-Psychology.

INTERCOLLEGIATE, EXTRA CURRICULAR, AND INTRAMURAL ACTIVITIES

Athletics. Otterbein College is a member of the Ohio Athletic Conference and participates with many other colleges of Ohio in such men's sports as football, basketball, tennis, baseball, track, golf and wrestling. A limited intercollegiate program for women is offered featuring sports days in hockey, tennis, basketball, volleyball, bowling, softball, and archery.

Intramural athletic contests are carried out on the campus throughout the year. Both men and women participate in the program which includes football, tennis, basketball, horseshoes, volleyball, archery, field hockey, badminton, softball, golf, freethrow, and bowling.

Forensics. Otterbein is a member of the Ohio Association of College Teachers of Speech and of Pi Kappa Delta, national forensic honorary society. Each year the college is represented in debate tournaments, Prince of Peace Oratory, dramatic reading, and extemporaneous speaking contests sponsored by these organizations. There is, in addition, extensive participation in intercollegiate debate with other Midwest colleges. Those interested in forensics also participate in programs arranged for outside groups by the College Speakers Bureau.

Otterbein College Theatre. Under the supervision of staff members of the Department of Speech, the Otterbein College Theatre produces

four major plays and two shorter plays yearly. The theatre tries to have one professional guest star, one arena theatre production, one town-and-gown production, and some student-directed productions each year. Students from all college departments participate. The major producing organizations are the Cap and Dagger Dramatics Club and the national dramatics honorary fraternity, Theta Alpha Phi.

CONVOCATION

On Monday and Wednesday mornings of each week all students meet in Cowan Hall for convocation programs. Many of these periods are designed to offer opportunities for worship and meditation. Others are planned to stimulate intellectually, and to enrich culturally the students and faculty participating. These convocation programs are considered to be a vital part of each person's college life. Attendance is required.

RELIGIOUS ACTIVITIES

A number of interdenominational religious organizations are active on the campus, each meeting different student needs. The work of these groups is coordinated by the college chaplain and the Council of Christian Associations. The Council also works with the Spiritual Life and Chapel Committee in planning convocations and Religion in Life Week.

PLACEMENT SERVICES

Placement Services are maintained by both the Director of Placement, Department of Education, for teachers, and the College Placement Bureau for non-teaching positions. A large number of the graduating class and some alumni obtain positions each year through these services.

CULTURAL AND ARTISTIC ACTIVITIES

Throughout the year the students at Otterbein have many opportunities to attend outstanding lectures, concerts and exhibits. The Otterbein College Artist Series presents several professional organizations in a wide variety of music-theatre-dance programs each year. There is an annual Festival of Arts during which authors, artists, professional performing groups and speakers take part, and the art department brings frequent painting, drawing and sculpture "exhibitions" to the campus. Income from the Frederick N. Thomas Memorial Lectureship Fund and other sources provides for an annual Lecture Series which brings distinguished scholars and other important public figures to the campus.

ORGANIZATIONS

The following organizations contribute to the development of students in their chosen fields and to the broadening of their perspectives:

Alpha Epsilon Delta, national pre-medical honorary.
Alpha Lambda Delta, national honorary for freshman women.
Cap and Dagger Club, a dramatic organization.
College Music Organizations are listed and described in the general statement of the Department of Music. Both vocal and instrumental, they offer a wide variety of opportunities to all students.
Council of Christian Associations, coordinates all campus religious activities.
Delta Omicron, national music honorary.
Home Economics Club
Interfraternity Council
Kappa Kappa Psi, national band honorary.
Delta Tau Chi, composed of students preparing for full-time Christian service.
Men's Dormitory Association
Men's Student Government Association
Music Educators National Conference, student chapter.
Ohio Student Education Association
Otterbein Christian Student Association, an organization to promote better religious expression and understanding on the campus; includes Sunday evening fellowship program, midweek devotions, Sunday Forum, and mid-day devotions.
Panhellenic Council
Phi Alpha Theta, national history honorary.
Phi Sigma Iota, national romance language and literature honorary.
Pi Kappa Delta, honorary forensic fraternity.
Quiz and Quill Club, made up of students and alumni interested in creative writing.
Sigma Zeta, national science honorary.
Society for the Advancement of Management
Theta Alpha Phi, national dramatics honorary.
Torch and Key, honorary scholarship society.
Varsity "O" Association, composed of men who have earned letters in intercollegiate athletics.
Women's Athletic Association, local affiliate of the Athletic Conference of American College Women.
Women's Student Government Board
Young Democrats
Young Men's Christian Association

Young Republicans
Young Women's Christian Association

FRATERNITIES AND SORORITIES

In addition to the organizations listed above there are six local social fraternities and seven sororities. The fraternities maintain houses near the campus. Each sorority has a club room in Clements Hall. All of the fraternities and the sororities have faculty sponsors who are approved by the college.

HOUSING

Sophomore, junior and senior students living in the residence halls are required to pay a $25 room deposit by July 15th. This payment is in evidence of good faith that the student expects to use the room reserved for him. At registration this fee is credited to his first semester account. The fee is not refundable if the student fails to enroll.

All students are responsible for furnishing desk lamps, towels and bed linen. Women students will supply their own curtains. A linen service is available to the students at the rate of $13.00 per semester. This fee is payable each semester at the time of registration.

An annual fee of $7.00 for men and $9.00 for women is charged to the student's first semester account to cover the cost of newspapers, dormitory dues, electrical appliances and social events in the residence halls.

Residence halls will not be available for occupancy until the beginning of the school year. They will close during vacation periods.

Women—All women students whose homes are not in Westerville or vicinity are required to live and dine in the residence halls unless granted special exemption. Only those women whose homes are in Westerville or those who work in restaurants during meal hours need not purchase a semester meal ticket. In this case, a note from the Dean of Women must be presented at registration.

Men—The college requires all freshman men whose homes are not in the Westerville area to live in residence halls in the Freshman Men's Quadrangle. Sophomore students are required to live in the upperclassmen's dormitory, Davis Hall.

To all men students whose homes are not in Westerville, or who do not room on campus, the Dean of Students' Office makes available a list of approved private homes in close proximity to the college. Rent of rooms varies, depending upon desirability and distance from the campus. The fraternity houses provide accommodations for some of their upperclass members.

AIR SCIENCE

The department of air science was established in 1952 as a sub-unit of AFROTC Detachment 655 at Ohio Wesleyan University, Delaware, Ohio. It functions under the joint jurisdiction of Otterbein College and the Department of the Air Force.

The purpose of the AFROTC program is to provide for the selection and education of those students who desire to become officers in the Air Force. Mere enrollment in the AFROTC, however, does not involve an obligation for active military service.

The program has two parts, basic and advanced. Each requires two years to complete. Successful completion of the basic course is a prerequisite for entry into the advanced corps. The program is entirely voluntary and offers male students an opportunity to qualify for a commission in the United States Air Force. All courses carry college credit towards graduation. Formally enrolled students in the advanced corps are paid approximately $300.00 per year and are deferred from selective service. Certain qualified students are also eligible for 36 hours of flight training. Students earning the designation of "Distinguished Graduate" may be eligible for graduate study at Air Force expense. Uniforms and textbooks are provided without cost to the student.

General requirements for enrollment and continuance in the program are that the student:

1. Be a citizen of the United States.
2. Be physically qualified as prescribed by the Department of the Air Force.
3. Be a regularly enrolled student of the college.
4. Be not less than 14 and not yet 25 years of age at the time of enrollment in the advanced corps.
5. Successfully complete such general survey or screening tests as are given to determine eligibility for admission.
6. Be accepted for enrollment by the professor of air science. Students who are veterans or who have had previous ROTC courses may be exempted from portions of the basic corps as determined by the professor of air science.

HEALTH SERVICE

Otterbein College has an extensive health program for its students. The Health Service is staffed by four college physicians and four registered nurses, who have the responsibility of caring for the health of the student body. At least one of the nurses is available at all times when the regular college (September through Commencement in June) is in session. A regular clinic is held Monday through Friday at which one of the college physicians is present. The parents are kept informed of the condition of the student in case of serious illness requiring admission to the infirmary. These services are made available through the payment of the health fee required of all students.

Each student is entitled to six days of infirmary service and any needed number of dispensary calls a year. If additional infirmary service is needed, the student is charged according to a schedule arranged by the administration. When expensive medicines are required the costs are borne by the student.

Prior to entrance, each new student is required to have a health examination, including a history by the student and physical examination by his physician. This form must be returned to the Admissions Office by August 1. This is a part of registration requirements. At the registration period, each student is required to have a chest X-ray taken. This service is provided by the Tuberculosis Society of Columbus and Franklin County.

A voluntary Health and Accident Insurance policy is also available at a reasonable fee for each student. This coverage takes over where the present health service stops. Approximately 85% of the students elect to purchase this protection.

GENERAL REGULATIONS

The Adminisrtation has few regulations governing student conduct. It depends rather upon students observing cheerfully the moral and social proprieties Students at Otterbein are expected at all times to maintain a high standard of personal integrity and honesty and to show respect for order, morality and the rights of others. There are, however, well-recognized restrictions concerning certain practices.

1. Otterbein College reserves the right to dismiss any student for any reason or reasons it deems sufficient after having given him opportunity for a hearing before the properly constituted authority.
2. Alcoholic beverages are not permitted on campus. If such beverage is found in the possession of any student, or if a student indicates by his behavior that he has been drinking, he will be brought before the Student Government Board and the Campus Council. Violation places the student in jeopardy of being expelled.
3. A strong tradition against the use of tobacco on the main campus is maintained by student opinion.
4. No self-perpetuating society or organization may be formed without permission from the Faculty.
5. A student who is a member of any college organization representing Otterbein in intercollegiate or special extra-curricular relations shall not participate in such activities unless a satisfactory standard of scholarship is maintained and the student complies with all other college regulations. A student in an individual capacity representing the College shall conform to the same standards.
6. Five absences from convocation are permitted per semester. The student is notified after the fourth and fifth absence. For each absence in excess of five, one additional semester hour of credit will be added to the student's graduation requirement.
7. An unexcused absence during the twelve hours preceding or following a regularly scheduled holiday or vacation shall add three hours to the graduation requirements of the student. Each additional unexcused absence within the same period shall add an additional hour to the graduation requirements. Legitimate absences may be excused by the Dean of Students.
8. Cases of theft, or of cheating in any course, will warrant immediate dismissal from school.

Academic Policies

REQUIREMENTS FOR ADMISSION

All graduates of accredited high schools, and others who have earned the equivalent of a high school diploma, presenting evidence of qualifications for college study as shown by scholastic records, special examinations, and recommendations, will be considered for admission to Otterbein College.

Applications should be submitted as early as possible during the senior year of high school. Applicants may be admitted on the basis of six semesters of high school credit, subject to the satisfactory completion of the senior year.

Applicants are required to submit the Scholastic Aptitude (SAT) scores of the College Entrance Examination Board. The high school principal or counselor should be consulted for dates of the CEEB examinations. Special testing dates may be arranged on campus.

Four recommendations are required: one from an English teacher, one from another high school teacher, and two character references.

For high school graduates, fifteen units of work are required for admission to the college. Applicants presenting credits must have them evaluated by the college registrar.

The units presented for entrance should include the following:

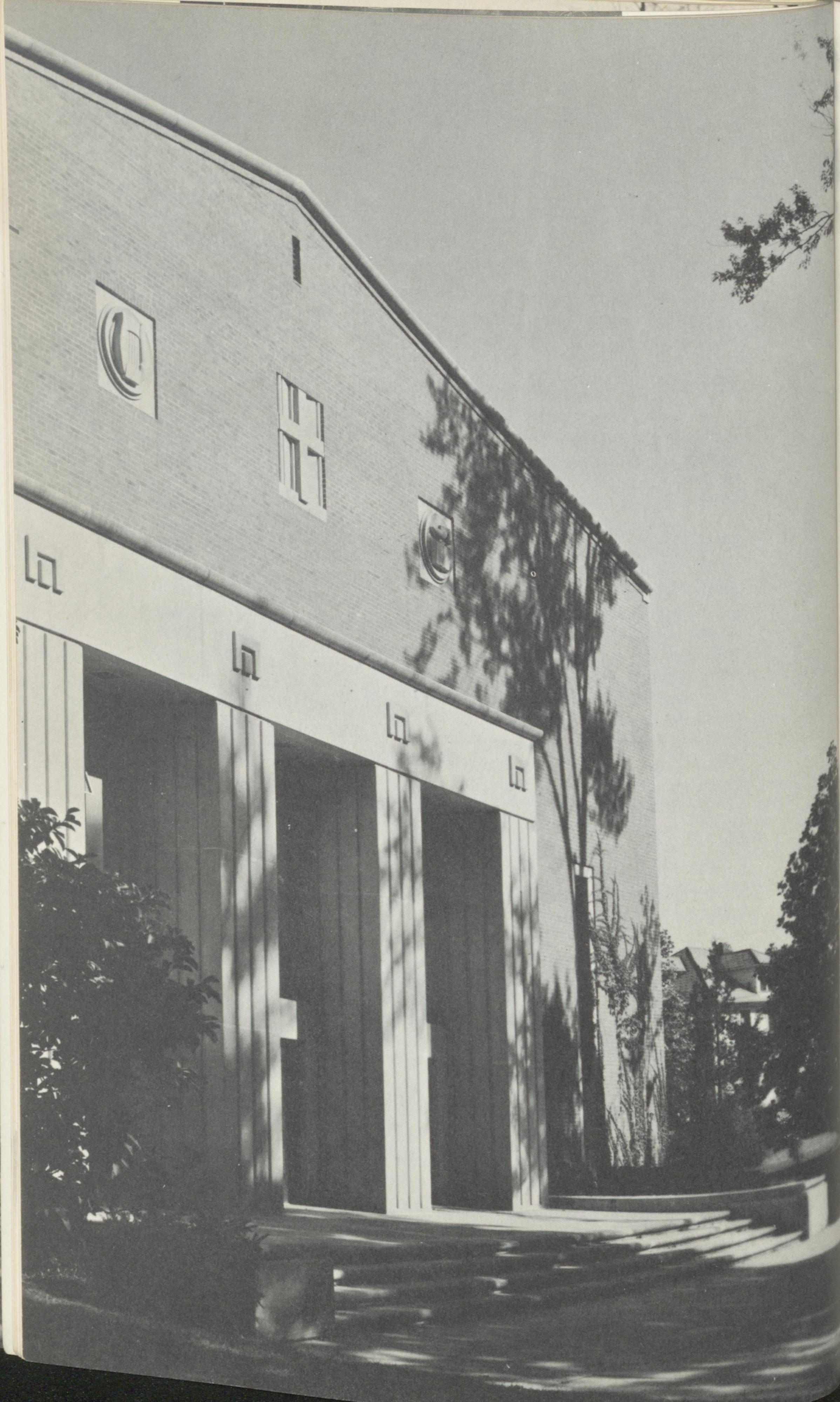
English	3 units
Foreign Language	2 units
Social Studies (History and Civics)	2 units
Mathematics (Algebra and Plane Geometry)	2 units
Science	2 units
Electives	4 units

If the credits presented from the high school contain the total required number of units, but are deficient in any of these five departments, the candidate will be required to make up the deficiency on the basis of one semester of college work for each school unit. This must be made up by the close of the sophomore year.

MAKING APPLICATION FOR ADMISSION

Interested persons should write to the Admissions Office for proper application forms and information relative to:

1. Application blank. This is a general information form which includes space for an autobiography, two unmounted photographs, and names of four references.



CLASSIFICATION OF STUDENTS

Special or regular student classification is determined by the method of admission. A part-time student is a person holding regular or special student classification, carrying less than 12 hours, and special student credits will be recorded on a special student white record. A special student must apply to the Admissions Committee to obtain classification as a regular student.

ADVANCED STANDING

Students who desire to transfer from other colleges with advanced standing must file in addition to the above credentials an official transcript of their college record from the college or colleges previously attended, together with a statement of honorable dismissal. Credits accepted from other institutions are evaluated on the basis of the quality point system in use at Otterbein and are counted in the cumulative grade point average.

The requirements for advanced standing are as follows:

At the beginning of the first semester a student must have completed, in addition to any entrance conditions, the following number of credit hours and quality points for the respective classifications:

For Sophomore standing	24 hours and 48 points
For Junior standing	56 hours and 112 points
For Senior standing	90 hours and 180 points

At the beginning of the second semester the requirements are as follows:

For Sophomore standing	40 hours and 80 points
For Junior standing	72 hours and 144 points
For Senior standing	106 hours and 212 points

An explanation of the nature of the credit hours and quality points referred to above is included in the statement of requirements for graduation. A student has the option of taking full credit for all work transferred to Otterbein or of choosing to take no credit for the work from another school.

DEGREES

Otterbein College confers the following baccalaureate degrees: Bachelor of Arts (B. A.), Bachelor of Science (B. S.), Bachelor of Music (B. Mus.), Bachelor of Music Education (B. Mus. Ed.), and Bachelor of Science in Education (B. S. in Ed.).

GRADUATION REQUIREMENTS

Credit Hours and Quality Points: The requirements for all degrees are based on semester credit hours and quality points. A

semester consists of seventeen weeks, or one-half of the college year. A semester credit hour is one class hour a week continued through the semester. One hundred twenty-four semester credit hours are required for graduation.

The symbols A, B, C, D, F, X and W, are used in ranking students. The letter A stands for extraordinary attainment in the course. B represents work that is above average; C represents average work; D below average; F failure, and X conditioned. When work is audited the grade is reported U for unsatisfactory or S for satisfactory participation in the course. "X" and "Prog" are the symbols given when the course requirements have not been met and a final grade cannot be given. "X" is used when the unfulfilled requirement is within the student's responsibility and "Prog" is used when the situation is beyond the student's control, such as illness. In the semester in which it is given, the "X" grade is figured in the grade point average as an "F." The removal of the above conditions must be accomplished during the semester in which the student is next in attendance, or arrangements must be made with the Registrar for further postponement. In case this removal or arrangement is not made within the specified time, the condition will automatically become an "F."

The W is used to mark a course regularly discontinued by permission of the Dean. Should a student leave college within a semester for reasons beyond his control, a W may be used to mark the courses in which he has enrolled if his work was satisfactory at the time of withdrawal.

Quality points are awarded to the student according to the degree of excellence with which the work in each course of study is accomplished.

The following is the schedule for the award of quality points:

For each semester hour of A	4 points
For each semester hour of B	3 points
For each semester hour of C	2 points
For each semester hour of D	1 point
For each semester hour of F, X & W	No points

The normal load for a student is fifteen to seventeen hours. The Dean's permission is required for taking any number of hours in excess of seventeen.

A student is in good academic standing who attains a cumulative grade point average of at least probation level, which is:

1.6 upon completion of 12 semester hours,
1.7 upon completion of 24 semester hours,
1.8 upon completion of 36 semester hours,
1.9 upon completion of 48 semester hours, and
2.0 upon completion of 60 semester hours.

A student must attain a 2.3 point average in the courses taken for his major field and a 2.0 average in courses taken for his minor. A minimum overall cumulative point average of 2.0 is required for graduation.

Should a student's grade point average fall below the above mentioned levels, he will be placed on academic probation. Should a student's semester grade point average fall below 1.0 at the end of his first semester at Otterbein, or should his semester grade point average fall below probation level at the end of his first semester of probation the student will be in jeopardy of being asked to withdraw. If placed on probation for two semesters the student must then maintain a 2.0 semester average until he is removed from probation or be asked to withdraw from college. If a student has accumulated 45 hours of work taken while on probation he will be in jeopardy of being asked to withdraw. Semesters on probation need not be consecutive. Should a student on probation register for courses which would bring his total to 45 or more probationary hours when completed, he must earn a grade point average sufficient to remove him from probation at the end of that semester, or he will be in jeopardy of being asked to withdraw. All applications for readmission must be addressed to the Academic Council.

Work for which the student has once registered cannot be discontinued except by permission of the Dean and faculty adviser. Courses discontinued later than four weeks from the opening of the semester will be counted as failure. Courses may not be added without the permission of the Dean, the instructor concerned and the faculty adviser, after the first two weeks of the semester.

A student may repeat any course which he has taken by registering for it again, in which case the last grade earned will be counted in computing his point average and the first grade will no longer be counted.

In order to secure two degrees, one of which is the B.A. or the B.S., a student must have completed not less than 150 semester hours of work, at least 92 of which are in the distinctly academic field, and he must have fulfilled the minimum requirements for each degree. A second major is required and the work for the second major must be taken at Otterbein College.

Residence Requirements: The college specifies that no student may graduate without spending at least one year in residence at Otterbein. This should be the senior year.

The residence period for freshmen begins at the opening of the Freshman Orientation period. This is not an optional introduction to college work but is an integral part of it.

Majors and Minors: During the college course, particularly in the last two years, provision is made for orderly and considered specialization, since each candidate for a liberal arts degree must

choose one field of primary interest, his major, and a related field of secondary interest, his minor. A major shall consist of not less than twenty-four semester hours, a minor of at least fifteen. A student may take a major or a minor in any of the following:

Language and Literature
- English
- French
- German (on sufficient demand)
- Spanish
- Speech
- Theatre

Fine Arts
- Visual Arts
- Music

Professional
- Education
- Home Economics
- Physical Education

Social Studies
- Business Administration
- Economics
- Government
- History
- Psychology
- Religion
- Religion and Philosophy
- Sociology

Science and Mathematics
- Biology
- Chemistry
- Mathematics
- Physics

A student may also take majors in a Modern Language combination, and a Social Studies combination. Additional minors in Air Science, Philosophy and Christian Service are offered.

A student transferring from another college must take at Otterbein at least six hours of work in his major field and three hours in his minor field.

A student whose major is in biology, chemistry, mathematics, or physics may elect to receive the degree of Bachelor of Science.

Distribution Requirements: Each degree has specific courses or subject matter areas as a part of its graduation requirements. Because they differ slightly they are summarized below.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

English Composition — 6 hours

Each student must demonstrate proficiency in English by passing a proficiency examination or by passing English 101-102. Entering students who show marked deficiencies in English will be required to take English I without credit in addition to English 101. Work completed by proficiency examination receives no credit.

Literature or Humanities — 6 hours

This requirement may be met by completing six hours in courses in Basic Literature, English Literature, American Literature, or Humanities

201-202. These selections must be made on the specific recommendation and approval of the adviser.

Foreign Language — 6 hours

Each student must demonstrate before the end of the junior year, proficiency in one foreign language. This requirement may be met by passing satisfactorily the second year course in any language offered by the college or by passing a proficiency examination requiring a knowledge of the language equivalent to that required to pass the final examination in the second year course of the language chosen with a grade of C or better.

Bible — 6 hours

Any Bible courses will meet this requirement. Religion 211 or 311 do not meet the requirement.

Science — 8 hours

This requirement may be met by passing any of the following year courses: Biology 111-112, Chemistry 101-102, Geology 207-208, Physics 105-106.

Social Studies — 6 hours

Any year course in history, sociology, economics, government or the course History of Civilization will meet this requirement.

Mathematics (Required for the B.S. degree only) — 6 hours

This requirement may be met by taking either Mathematics 109-110 or 121-122.

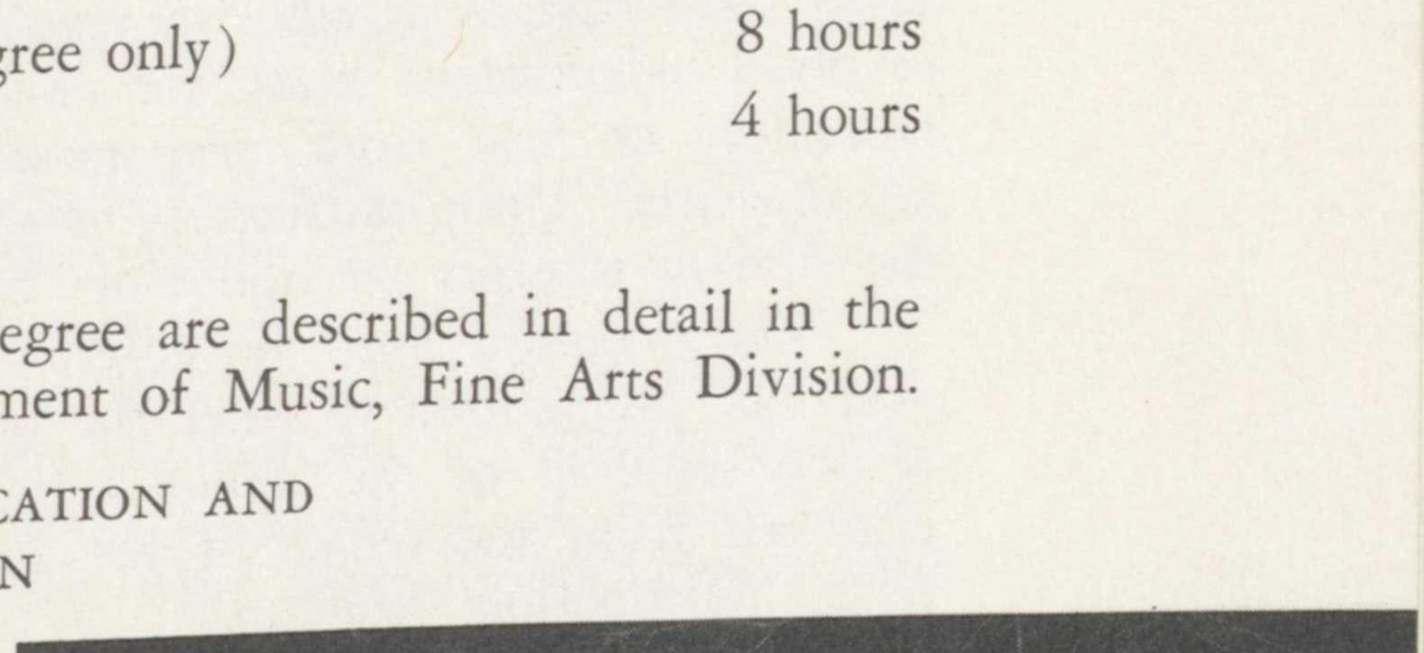
Physics (required for the B.S. degree only) — 8 hours

Physical Education — 4 hours

Bachelor of Music

The requirements for this degree are described in detail in the general statement of the Department of Music, Fine Arts Division.

Bachelor of Science in Education and Bachelor of Music Education



These degrees do not carry a language requirement. In addition to the requirements listed above for the B.A. degree (except for language), the student must take Psychology 101, Education 101, 202, 203, 425-426, 431, and special methods in his chosen academic field. Candidates for the Bachelor of Music Education degree should distribute their academic electives so that a minimum of 6 hours is taken in each of these fields: language and/or literature, science and/or mathematics, social studies. In addition, candidates for this degree are required to pass a performance test in their major applied field at the end of the sophomore and junior years.

SCHOLASTIC HONORS

A point average of 3.5 for any semester places a student on the Dean's List for that semester.

A student who has attained for the four years of his college course a cumulative point average of at least 3.7, is granted his degree *"with honors"* at graduation. Such a student must have attended Otterbein at least for his junior and senior years and must be deemed by the faculty to be a worthy representative of Otterbein.

Departmental Honors are awarded to a student who has attended Otterbein College for at least his junior and senior years, who has attained a point average of at least 3.8 in the field of his major and a general cumulative point average of 3.0 and who is deemed to be so motivated and trained as to be a worthy representative of the department.

The *Distinction Program* is open to the above average student. The program offers the opportunity for such a student to pursue a more intensive study of some special field of interest within his major field than is possible in regular courses. A Distinction Project involves independent study for two semesters and includes reading, laboratory or field work, preparation of a written report, and final examinations. Upon satisfactory completion of the Distinction Project, the student receives the honor of "Graduation with Distinction."

The program must be entered the first semester of the senior year, but preparation to enter the program should begin early in the second semester of the junior year. Additional information may be obtained from the Office of the Registrar or from the coordinator of the Distinction Program.

PRE-PROFESSIONAL AND PRE-VOCATIONAL STUDY

While Otterbein places its chief emphasis upon a liberal arts program, believing that such a foundation is the best preparation for professional and graduate study, it offers a wide variety of pre-professional curricula. Students planning to enter professional or graduate

school should work closely with their advisers since requirements in schools differ. Additional information regarding pre-professional curricula not included in this catalog can be obtained from the Admissions Office.

To particularly able students Otterbein College offers a three-year Arts-Professional Program, 106 semester hours, whereby a student may spend three years in residence at Otterbein College, and then, with the approval of his adviser and the faculty, transfer to certain cooperating graduate or professional schools, approved by the Association of American Universities, and requiring a degree or its equivalent for entrance. A student who asks the Otterbein College faculty to approve him for this program must attain a B average and complete the requirements for the B.A. or B.S. degree at Otterbein with the exception only of the requirement of a total of 124 semester hours, of which 106 hours must be completed. Such a student, approved by vote of the faculty, will receive the B.A. or B.S. degree from Otterbein College, when he has completed satisfactorily the first-year course in such an approved graduate or professional institution.

Graduates who have given distinguished service in the professions, and the position of Otterbein College on the list of colleges approved by the Association of American Universities establish the fact that the education and training given at Otterbein College are recognized as superior by employers and by the best professional and graduate schools in the United States and Canada.

Business Administration. There are increasing demands by industry, government, and other employers for men and women who have a liberal arts background and who have a broad training in the fundamentals of business operations. Otterbein College offers that kind of business program which prepares those who plan to go directly into business and those who wish to enter graduate school for more specialized study.

Engineering. Because professional engineering education has broadened its scope within the last decade and now recognizes the importance of cultural breadth as well as technological depth, Otterbein College maintains close contact with The Ohio State University, Carnegie Institute of Technology, Case Institute of Technology and the New York University College of Engineering. A student may spend three years at Otterbein and three years in the engineering school of his choice to complete his Bachelor of Science in Engineering degree. An opportunity is thus provided for a student to enjoy the advantages of a small liberal arts college for a period before entering the university.

Forestry. A three-two cooperative program has been established with the Duke University School of Forestry for those interested in preparing for the forestry service.

Under this plan a student may study three years at Otterbein and two years at the School of Forestry at Duke University. Upon satisfactory completion of the first year at Duke, he may receive from Otterbein the Bachelor of Arts or Science Degree depending upon the requirements which he has fulfilled. At the end of the second year at Duke University he will receive the professional degree, Master of Forestry, from Duke University.

Government and Foreign Service. Many opportunities exist in government and diplomatic services, and in the export and import services of large business corporations. The student desiring to enter these fields should major in history and government, and minor in economics and business administration, including accounting, English and foreign languages.

Journalism and Radio-television. The best preparation for journalists is a complete four-year liberal arts course. Except for news reporting and news editing, Otterbein advisedly omits all technical and so-called professional courses and leaves them to be taught by the newspaper itself. The student should major or minor in English and select as much work as possible in the sciences, economics, history, government, sociology, philosophy, and psychology. The *Tan and Cardinal* is a student newspaper, and is published weekly by an all-student staff. Here the student is able to gain first hand experience.

Like the journalist, a student planning a career in radio-television should select a broad liberal arts program. He should major or minor in speech and supplement it with courses in writing, literature, visual arts, social science, philosophy, psychology, and a basic course in music interpretation. If the student has an interest in broadcasting from the technical or engineering side, he should take a major in physics. Practical experience can be gained by writing and producing radio and television programs which are broadcast from the laboratory studios over the campus FM radio station WOBN, and the simulated TV station, WOBN-TV.

Law. Members of the National Association of Law Schools require 90 semester hours of arts and sciences; however, many law schools require the Bachelor of Arts degree for admission. The Ohio Bar Association requires graduation from a four-year college for admission to any law school in the state. Law schools emphasize the importance of a good liberal arts background. It is especially important that students have a good vocabulary and the ability to express themselves well and concisely in the English language. Recommended courses include accounting, economics, English, government, history, philosophy, speech, and French or German. Otterbein offers all the courses required for admission to the nation's best law schools.

Library Science. Approved library schools require a bachelor's degree for admission. The most desirable preparation is a broad cultural education, and essential undergraduate work would include a familiarity with both English and foreign literature and a reading knowledge of two foreign languages. A few programs will accept one foreign language. There is also a growing need in industrial research libraries for librarians with scientific backgrounds.

Medicine and Dentistry. The purpose of collegiate training for students who desire to enter the fields of medicine or dentistry is first, to provide a strong background of general culture and second, to give the student training in subjects that are fundamental to those of the medical or dental school. The science curriculum suggested is designed to provide the student with such training as to enable him to carry the work in the professional school with better understanding and technique. Otterbein has an excellent record of placing its pre-medical and pre-dental students in the nation's foremost professional schools.

Medical Technology. The College has entered into a cooperative arrangement with the School of Medical Technology of the Miami Valley Hospital of Dayton, Ohio. In accordance with this plan a student takes three years of work at Otterbein and her final year at the school of medical technology.

A candidate for graduation from the medical technology program shall, upon approval of the Committee on Graduation Requirements,

complete one hundred hours in residence at Otterbein College, and fulfill department and degree requirements. The student may attend the School of Medical Technology at Miami Valley Hospital in lieu of the senior year on campus. The Graduation Requirements Committee will evaluate the courses taken at the school of medical technology in terms of semester hours, and if a candidate has completed work totaling at least twenty-four hours by the end of the first academic year in that school, she may be eligible for an Otterbein degree.

Nursing. Otterbein offers a program meeting the requirements for admission to schools of nursing in accredited universities. If the student completes a two year pre-nursing curriculum at Otterbein she will have taken the basic course work for entrance into a fully accredited school of nursing. Upon completion of the program in the school of nursing, the student would receive a Bachelor of Science in Nursing degree from that school and would be eligible for examination and licensing as a registered nurse.

Professional Psychology. Within recent years such positions as consulting psychologist, industrial psychologist, personnel worker, counselor, vocational guidance expert, and clinical psychologist have received wide recognition. As always the fields of psychological research and the teaching of psychology also offer opportunities.

Preparation for the theoretical fields of psychology should include courses in zoology, comparative vertebrate anatomy, genetics, human physiology, chemistry, physics, and mathematics. A thorough grounding in sociology and at least a minor in psychology are required.

Preparation for the various fields of applied psychology should include extensive work in psychology, sociology, and additional courses in the sciences and mathematics.

Social Work. Trained leadership in this field is in increasing demand. Professional schools of social work are calling for more high quality men and women from undergraduate schools. Otterbein offers courses in sociology and the other social studies which provide basic training and minimum entrance requirements for graduate schools of social work.

Theology. Theological seminaries recommend a thorough grounding in the arts and humanities. The courses required for graduation from Otterbein College would be included in their recommendations. The quality of work done in college is more important than particular courses taken.

Those students who expect to take New Testament studies in Greek in the seminary should have two years of Greek in college.

Courses are available at Otterbein College which will meet the recommendations of the seminary which the student expects to attend. These courses should be chosen in consultation with his adviser.

Otterbein
College
FOUNDED 1847
GROVE ST.

Fees, Charges, and Financial Aids

The college seeks to provide for its students a complete campus experience without permitting the cost to become excessive. Tuition and fees paid by students of Otterbein College cover approximately sixty per cent of the instructional and operating expenses. The balance of the expense of a student's education is borne by the college through the income from endowment and by gifts and contributions from the churches of the denomination, trustees, alumni and friends. With reference to extra-curricular expenses, the college reminds the students that the tendency to include too many luxurious items in the social program will interfere with the traditions of the institution. The college maintains democratic opportunities and attitudes under conditions that will not exclude any person because of his economic circumstances.

SEMESTER EXPENSES

(Subject to change)

Matriculation Fee		$ 1.00
Incidental Fee	First Semester	$ 45.00
	Second Semester	37.00
Campus Center Fee		15.00
Tuition—From 12 to 17 hours		425.00
From 1 to 11 hours, per hour		38.00
Over 17 hours, per hour		19.00
Board	5 day—$171.50	7 day—$222.50
*Rooms—Dormitories		125.00
Laboratory Fees:		
Air Science		
101-102, 201-202, 301-302, 401-402		5.00
Art		
301, 302		2.00
383		3.00
281		6.00
241, 341		9.00
251, 252, 351		15.00

All other courses in Art—$3.00 a semester hour

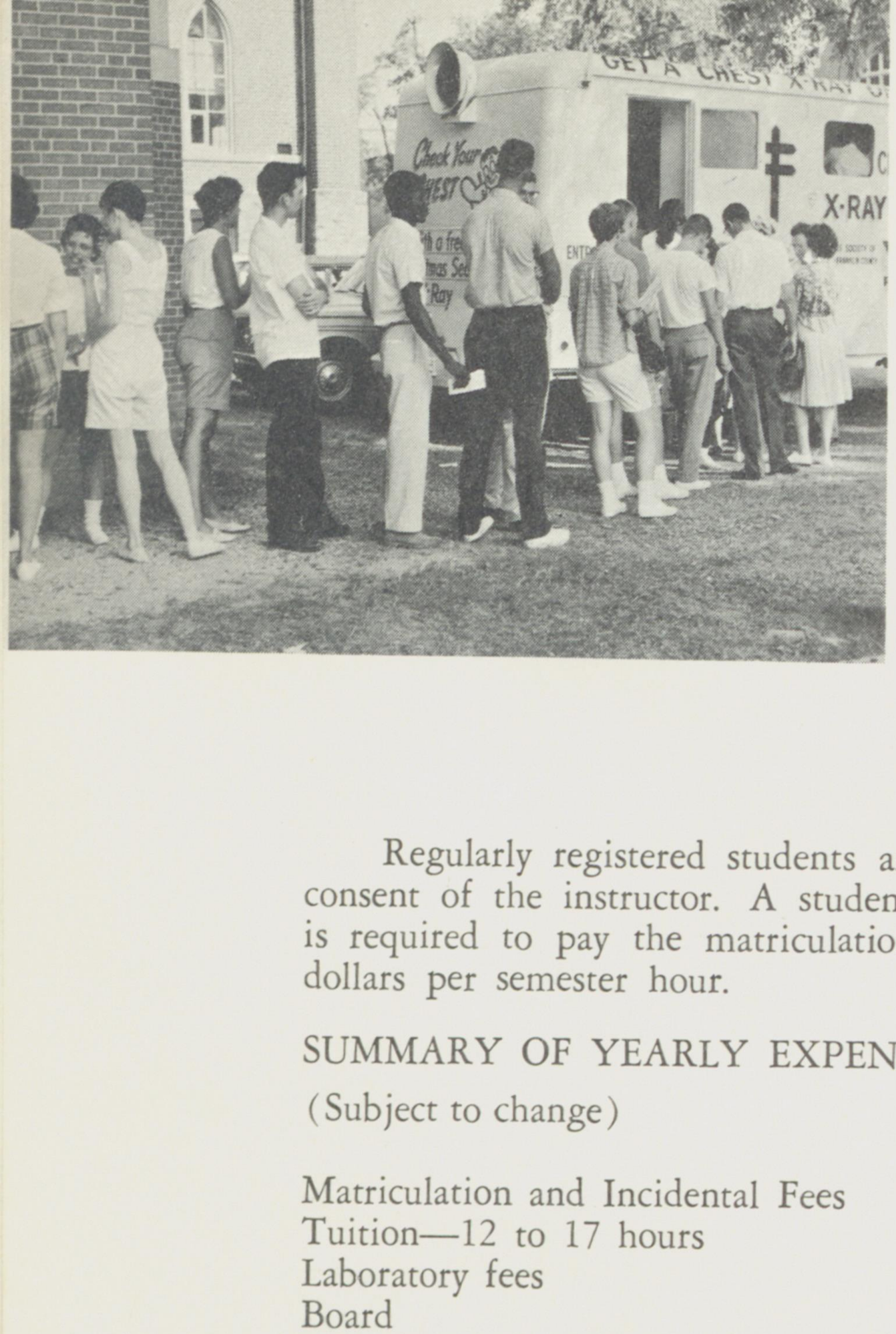
*Any student refusing to accept a roommate will be charged a double dormitory rate.

Otterbein College

Biology		
	111, 112, 115, 203, 206, 207, 209, 218, 301, 305, 306, 309, 312, 323, 324,	10.00
	201, 202, 221	15.00
	349	5.00
	232	2.00
	401-402	Fee depends on problem
Chemistry		
	101-102, 205, 206 (Deposit $5.00 for course; fee $7.50 a semester)	12.50
	201, 209-210 (Deposit $10.00 for course; fee $12.00 a semester)	22.00
	303, 309-310 (Deposit $5.00 for course; fee $10.00 a semester)	15.00
Education		
	258—$5.00 a semester hour	
	431—$5.00 a semester hour	
English		
	1	2.00
French		
	101-102, 201-202	5.00
	301-302, 303-304	2.00
Geology		
	207, 208	10.00
Geography		
	101	5.00
German		
	101, 102	2.50
Home Economics		
	216, 317	1.00
	304, 305	1.50
	101, 102	2.00
	104, 312, 315, 316	2.50
	211, 212, 302	7.50
Humanities		
	201-202	2.50

Modern Language	
315	2.00
317, 318	1.00
Music	
202, 108, 208	2.00
301, 302	3.00
Physical Education	
101, 102, 101A, 201, 202, 205	4.00
309, 310, 311, 313	1.00
Physics	
All courses, except 303-304, 313, 315-316 (Fee charged on course 303-304 only if for 4 hrs. credit)	2.50
Psychology	
101, 102	1.50
311	2.00
312, 335	5.00
Spanish	
101-102	2.50
303-304	2.00
201-202	1.50
301-302	1.00
Speech	
103, 107, 108, 201, 203, 211, 213, 214, 224, 301, 302, 313, 314, 319, 391	1.00
207, 208, 210, 303, 304	2.00
110	3.00
Graduation Fee	12.00
Freshman Week	10.00
Change of Schedule	.50
Credit by Examination (per course)	5.00
Special Examination	1.00
Transcript Fees: Student in school	.50
Former students and graduates	1.00
Late Registration Penalty (per school day)	1.00

State sales tax is required on certain laboratory fees.



Regularly registered students are entitled to audit courses with consent of the instructor. A student not registered in other courses is required to pay the matriculation fee and a tuition fee of four dollars per semester hour.

SUMMARY OF YEARLY EXPENSES

(Subject to change)

	Low	High
Matriculation and Incidental Fees	$ 114.00	$ 114.00
Tuition—12 to 17 hours	850.00	850.00
Laboratory fees	10.00	40.00
Board	343.00	445.00
Room—(Dormitories)	250.00	250.00
Room—Men (Private Homes and Housing Unit)	175.00	250.00
Total—Women	$1,567.00	$1,699.00
Total—Men	$1,492.00	$1,699.00

The foregoing estimates include only necessary college expenses. No allowance is made for books, clothing, travel and personal expenses.

PAYMENT OF FEES

(1) Each semester bill is rendered in advance.

(2) Students must pay a minimum of one-half of their total semester charges prior to registration each semester.* The unpaid portion will be due in full as follows:

1st semester	December 1st
2nd semester	April 15th

(3) Failure to complete payment in accordance with the above schedule carries with it a fine of 2% on the unpaid balance and credit for the semester's work will not be given until such time as payment is completed.

*For the convenience of those parents who wish to pay the cost of tuition and expenses in monthly installments, the college is glad to offer The Tuition Plan. All pertinent information about the plan is mailed to students during the summer.

(4) Any money earned by a student as a result of having a work grant will be applied to his account until such time as the full semester's charges are paid.

(5) A. *Withdrawals from College*

a. All withdrawals must be made through the office of the Dean of the College.

b. *Refunds*—Cash refunds to students who carry a full schedule and who have paid the regular tuition at the time of registration are made only as follows and upon written application to the Dean on the basis of the date of withdrawal from class:

Withdrawal Within	Charge	Withdrawal Within	Charge
First Week	10%	Sixth Week	60%
Second Week	20%	Seventh Week	70%
Third Week	30%	Eighth Week	80%
Fourth Week	40%	Ninth Week	90%
Fifth Week	50%	Tenth Week or After	100%

No part of instruction fees will be refunded if the student withdraws after he has been in college nine weeks or longer. No part of the laboratory fees will be refunded except upon written approval of the professor.

Students carrying less than a full schedule and paying less than the full tuition fee will be reimbursed upon a basis arrived at after an investigation of each individual case by the Treasurer of the College.

In no cases are the matriculation, incidental, and health fees refunded.

c. Students who do not abide by the dormitory regulations or who show an unwillingness to cooperate with those in charge may be required to leave the dormitory without refund. No refund of room rent will be made to a student leaving the dormitory during a semester unless the student is withdrawing from college. College officials may at any time inspect the rooms in the various dormitories.

d. A student who, at the beginning of a semester, registers for board at the dining hall will be charged for a minimum of three week's board in case of withdrawal from the dining hall. In case a student discontinues boarding at the dining hall at a later date, the charge will be for the period up to the date his ticket is returned to the dining hall.

B. *Withdrawals from Courses*

a. A student who is given permission to drop a course officially within four weeks after the opening of a semester will be given a full refund on tuition.

b. After the four weeks' period, he will not be entitled to any refund on tuition.
c. No part of the laboratory fees will be refunded except upon written approval of the professor.

(6) *Conditions of Payment and Delinquency.* All students not entering for the first time, who fail to register at the time set for such purpose, will be required to pay a penalty of one dollar for each day of delay.
The same penalty will be imposed for failure to meet payment on tuition, laboratory fees, board, and room at the time set for such purpose.
A fee of fifty cents is charged for change of schedule.
A fee of four dollars is charged for giving any final examination or one hour examination at any time other than that for which it is scheduled regardless of the cause of absence of the student, except in cases of sickness where student has certificate of excuse signed by proper Health Center authority.

(7) Owing to the emergency arising out of the present economic conditions and changing prices, Otterbein College announces that all tuition, laboratory fees, incidental fees, board and room rates as well as regulations concerning housing are subject to change without notice.

FINANCIAL AID

SCHOLARSHIP AWARDS

Each year fifteen to twenty Scholarship Awards, each worth up to $1,800 over a three or four-year period, are awarded to incoming freshmen who qualify on the basis of high school grades, rank, and Scholastic Aptitude Test scores of the College Entrance Examination Board. The Scholarship Awards are continued providing the student maintains a satisfactory grade point average determined by the college and good campus citizenship. An incoming freshman who feels that he may qualify for a Scholarship Award should make inquiry early in his high school senior year. All requirements for consideration of this award must be met by the end of February. Awards are announced by March 15.

SCHOLARSHIP GRANTS

A limited number of Scholarship Grants are given to incoming freshmen and to students currently enrolled who qualify primarily on the basis of financial need and scholastic ability. The financial need is determined from information submitted by the applicant to the College Scholarship Service, Princeton, New Jersey. These grants, up to $400, are given for one year. They are renewable upon application. Renewal is based upon financial need, college grades and campus citizenship. An incoming freshman should submit the Parent's Confidential Statement from the College Scholarship Service prior to April 15. Currently enrolled students should submit the Parent's Confidential Statement and other information by May 15. A student originally classified as a transfer may be considered for this type of aid following a semester in full time residence at Otterbein.

DESIGNATED GRANTS

A limited number of special grants drawn from scholarship funds are given to individuals who qualify on the basis of a particular field of study, or who come from a particular geographic region, or who have made some worthwhile and outstanding contribution to campus life.

These grants are available to incoming or currently enrolled full-time students at Otterbein. The grant may be renewed upon application providing the student qualifies according to the particular scholarship provision, makes satisfactory academic progress, and maintains good campus citizenship.

STUDENT EMPLOYMENT

Students may request part-time employment on the campus. Work assignments are made commensurate with student need and employment available. Some students earn as much as one-fourth to one-third of their college expenses. Work is available in the dining hall, library, various offices, maintenance department, and other places throughout the campus.

Some students obtain jobs in business establishments and other places within the Westerville area. The college is willing to assist in locating work for students and the Dean of Men's office maintains a list of student employment opportunities within the community.

STUDENT LOANS

Local: A number of private loan funds are available to qualified students of junior and senior standing.

Government: National Defense Education Act loans are available to qualified students. To qualify a student must: (1) be a fulltime student at Otterbein, (2) establish financial need by submitting information through the College Scholarship Service, Princeton, New Jersey, and (3) maintain satisfactory academic standing as established by the college.

HOW TO APPLY FOR FINANCIAL AID

All applications for financial aid are processed through the Admissions Office. Requests for the proper forms should be directed to that office. Deadline for applying for a Scholarship Award is March 1. Deadline for applying for a Scholarship Grant is April 15th for freshmen and May 15 for upperclassmen. Application for N.D.E.A. loans should be submitted by May 15.

SCHOLARSHIP FUNDS

The income from the following scholarship funds is available for the financial aid of worthy students. Some of the funds are available only to students who are taking certain types of work or who come from certain areas and some are unrestricted.

Allegheny Branch Christian Endeavor Scholarship Fund	$ 1,000.00
Altoona First Church C. E. Scholarship Fund	5,000.00
Shauck E. Barlow Scholarship Fund	5,000.00
Tressa Barton Memorial Scholarship Fund	1,000.00
Sherman Bilsing Scholarship Fund	2,255.00
Board of Christian Education Scholarship Fund	4,000.00
J. Neely and Estella Boyer Scholarship Fund	13,299.73

Rev. J. Bren and Ida B. Mauger Bovey Scholarship Fund	10,000.00
Forest Bryant Scholarship Fund	14,625.00
Joseph Hannibal Caulker Memorial Scholarship Fund	10,000.00
Wilson Cellar Scholarship Fund	5,000.00
Class of 1913 Scholarship Fund	19,000.00
Class of 1914 Scholarship Fund	1,500.00
Class of 1918 Scholarship Fund	2,225.00
Edith L. Fouts Clements Scholarship Fund	11,250.00
Harry R. Clippinger Memorial Scholarship Fund	1,650.00
S. C. Conrad Scholarship	1,000.00
Mrs. A. D. Cook Memorial Scholarship Fund	1,173.00
Estella Courtright Scholarship Fund	1,000.00
Courtwright-Wagner Scholarship Fund	1,100.00
Vance E. Cribbs Memorial Scholarship Fund	175.00
Mary Crumrine Memorial Fund	580.75
Rev. and Mrs. S. F. Daugherty Scholarship Fund	750.00
Albert Demorest Scholarship Fund	200.00
Bishop John Dickson and Mary Jane Dickson Scholarship Fund	4,000.00
East Ohio Branch Christian Endeavor Scholarship Fund	2,000.00
Edler Memorial Scholarship Fund	1,000.00
James H. Fennessey Memorial Scholarship Fund	5,500.00
Findeiss Scholarship Fund	5,700.00
Memorial Gifts Scholarship Fund	1,407.00
Mr. and Mrs. Edward Goodrich Memorial Scholarship Fund	500.00
Ila Grindell Scholarship Fund	3,025.09
Rev. E. E. Harris Scholarship Fund	627.50
Francis Harris Music Scholarship Fund	2,412.00
Ephraim D. Hartman Scholarship Fund	1,000.00
Guy Franklin Hartman Scholarship Fund	2,000.00
Milo Lloyd Hartman Scholarship Fund	2,000.00
Ora Bale Hartman Scholarship Fund	2,000.00
Ila Bale Hayes Scholarship Fund	3,100.00
Erem John Healy Memorial Scholarship Fund	1,700.00
Richard A. Hitt Scholarship Fund	2,107.50
Mr. and Mrs. S. Hohenshil Memorial Scholarship Fund	1,500.00
Mr. and Mrs. D. M. Hollar Memorial Scholarship Fund	1,000.00
William Henry Otterbein Hubert Memorial Scholarship Fund	500.00
Johnstown Park Avenue E.U.B. Church Scholarship Fund	4,404.50
Mr. and Mrs. J. S. Kendall Scholarship Fund	1,000.00
Charles F. Kettering Scholarship Fund	1,000.00
King Foundation Scholarship Fund	21,714.74
Ethel Gaut Kintigh Memorial Scholarship Fund	1,000.00
Blanche Kline Scholarship Fund	15,900.00
Mr. and Mrs. C. Philip Knost Scholarship Fund	200.00

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Charles W. Kurtz Memorial Scholarship Fund	1,450.00
Lake Odessa, Michigan, C. E. and S. S. Union Scholarship Fund	200.00
Edwin T. Long Scholarship Fund	1,750.00
Claudine Love Scholarship Fund	9,937.13
Ada Markley Lutz Scholarship Fund	1,000.00
Esther McGee Scholarship Fund	200.00
Walter A. Maring Scholarship Fund	8,296.88
Dr. Stephen C. and Mary B. Markley Scholarship Fund	10,263.42
Rev. Jacob L. and Elizabeth B. Mauger Memorial Fund	10,000.00
Sara B. Mauger, '95 Memorial Scholarship Fund	10,715.01
W. C. and Cynthia May Scholarship Fund	800.00
Miami Conference Branch C. E. Scholarship Fund	1,000.00
M. B. Monn Scholarship Fund	1,285.00
Arthur A. Moore Memorial Scholarship Fund	2,000.00
Alvesta S. Myers Scholarship Fund	5,000.00
Otterbein Home Scholarship Fund	406.74
Overholser-Deets Scholarship Fund	1,000.00
Mr. and Mrs. Russell Palmer Scholarship Fund	1,300.00
Phoenix Phi Theta Phi Scholarship Fund	695.50
G. W. Pringle Memorial Scholarship Fund (Not yet productive	5,000.00
Rev. Hezekiah L. Pyle and Nellie A. Pyle Memorial Scholarship Fund	62,018.41
J. O. Ranck Scholarship Fund	100.00
Resler Foundation	1,000.00
Rike Foundation Scholarship Fund	10,500.00
Nettie Lee Roth Scholarship Fund	6,328.53
Mr. and Mrs. W. F. Rudisill Scholarship Fund	1,000.00
Sandusky Christian Endeavor Scholarship Fund	878.00
Cora E. Scott Scholarship Fund	5,162.09
Vinton B. Singer Scholarship Fund	1,000.00
John Franklin Smith Scholarship Fund	2,559.50
Mrs. Martha Soule Scholarship Fund	1,000.00
Southeast Ohio Branch C. E. Scholarship Fund	1,000.00
Southeast Ohio Conference Board of Christian Education Scholarship Fund	1,115.55
Sam C. Swain Scholarship Fund	750.00
Sylvia Warren Turner Scholarship Fund	1,000.00
Van Gundy, Beck and Van Gundy Scholarship Fund	2,000.00
Wagner Scholarship Fund	620.00
Mr. and Mrs. George A. Weaver Scholarship Fund	1,000.00
E. L. Weinland Scholarship	639.00
Dr. and Mrs. A. H. Weitkamp Scholarship Fund	2,700.00
George E. Welshans Memorial Scholarship Fund	1,000.00
Westerville Creamery Scholarship Fund	5,000.00

Westerville Otterbein Women's Club Scholarship Fund (Not yet available)	4,370.76
Wiley Memorial Church Scholarship Fund	1,000.00
Solomon Zartman Memorial Scholarship Fund	1,000.00

These funds may be borrowed by worthy students. Preference is given to seniors. The loans are secured by notes which are due one year after graduation. Interest is charged at the rate of 3% per annum until maturity; 6% after maturity.

The Dayton Alumni Loan Fund
The Clements Loan Fund
The Eberly Loan Fund
The Albert J. Demorset Memorial Fund
The Emergency Loan Fund
The Middletown Alumni Association Loan Fund
The James H. Fennessey Loan Fund
The Educational Loan Fund
The Ministerial Student Loan Fund
The Michigan Alumni Fund
The Bonita Jamison Loan Fund

PRIZES

Barnes Short Story Prizes—Mr. J. A. Barnes, of Wellesley, Mass., class of '94, established a short story prize scholarship amounting to $2,000, the income from which is to be used for prizes of $35 and $15 each for the best stories on Good Citizenship. The sum of $30 is to be used for the purchase of books for the library bearing upon the subject. The scholarship is established in memory of Mr. Barnes' brother, Walter Barnes, of the class of '98.

Quiz and Quill Foundation, $6,267.50—This fund was established by members of the Club to promote the *Quiz and Quill* magazine, to provide prizes for the annual contests sponsored by the Club, and to further the interests of creative writing on the campus.

Class 1904—Prize in Government and Political Science, $625.00—The annual income of $25 is to be used each year as a prize to an outstanding student in the field of government and political science.

The Weinland Writing and Selling Contest—Dr. Louis A. Weinland, Jr., class of 1930, awards prizes of $25, $15, $10 and $5 to the four students earning the largest gross amount of money during each year from any kind of writing for either publication or dramatic production exclusive of staff work.

The Dr. James H. Weaver Mathematics Award—Mrs. James H. Weaver of Hilliard, Ohio, has established a Mathematics Award in the sum of $250 in memory of her husband, Professor James H. Weaver of The Ohio State University. The yearly income of $10 from this fund is given to a student showing high rank in the Department of Mathematics.

The Lawrence Keister Classical Greek Prize Foundation—Rev. Lawrence Keister, Scottdale, Pennsylvania, gave $1,000 as a permanent foundation for annual prizes in classical Greek to be distributed to first, second and third year students on the basis of ability.

The Lawrence Keister New Testament Greek Prize Foundation—The foundation for these prizes consists of $500. To students in New Testament Greek, prizes of $25 and $15 will be given in order of class rank. The winners shall be announced on Commencement Day.

Pierre Frederic and Louise Marguerite Rosselot Scholarship, $1,640.00. The income from this fund is awarded to a senior or a junior who shall have attained high rank in the departments of American and European history, Political Science, and French language, and who shall have made a special study of some phase of international relations.

Russell Prize, Underclass Speaking Contest—Three prizes, $25, $15, and $10 each, are offered to students who win the first three places in the annual declamation contest for underclassmen.

Russell Prize, Upperclass Speaking Contest—Three prizes, $25, $15, and $10 each, are offered to students who win the first, second, and third places in the annual oratorical contest for upperclassmen.

Rev. Howard H. Russell, founder and associate superintendent of the Anti-Saloon League of America, established this series of prizes for those who win distinction in public speaking and oratory at Otterbein.

Gressman-Shultz Drama Award—Lt. Phyllis L. Shultz, '52, has established a drama award to be presented yearly to the outstanding senior student who has made the greatest contribution in the field of theatre arts, either technical or acting, during the school year. The winner, whose name is engraved on a large plaque located in the theatre Green Room, receives a trophy and $10. The award is presented in honor of Miss Shultz's brother, Malcolm Gressman, '48.

George Bechtolt Memorial Drama Award—The Detroit Alumni Club has established an award of $25 to be presented yearly to the outstanding junior male student who has made the greatest contribution in the field of theatre arts, either technical or acting, during the school year. The award is in honor of the late George Bechtolt, '25.

The Cox Prize Foundation for Debate—A prize of $85 is awarded by Mr. J. O. Cox of Valparaiso, Ind., to the winning team in the Freshman-Sophomore debate.

Carl C. Byers Public Speaking Prize—A prize of $35 is awarded to a senior demonstrating outstanding general platform presentation in an actual speech situation.

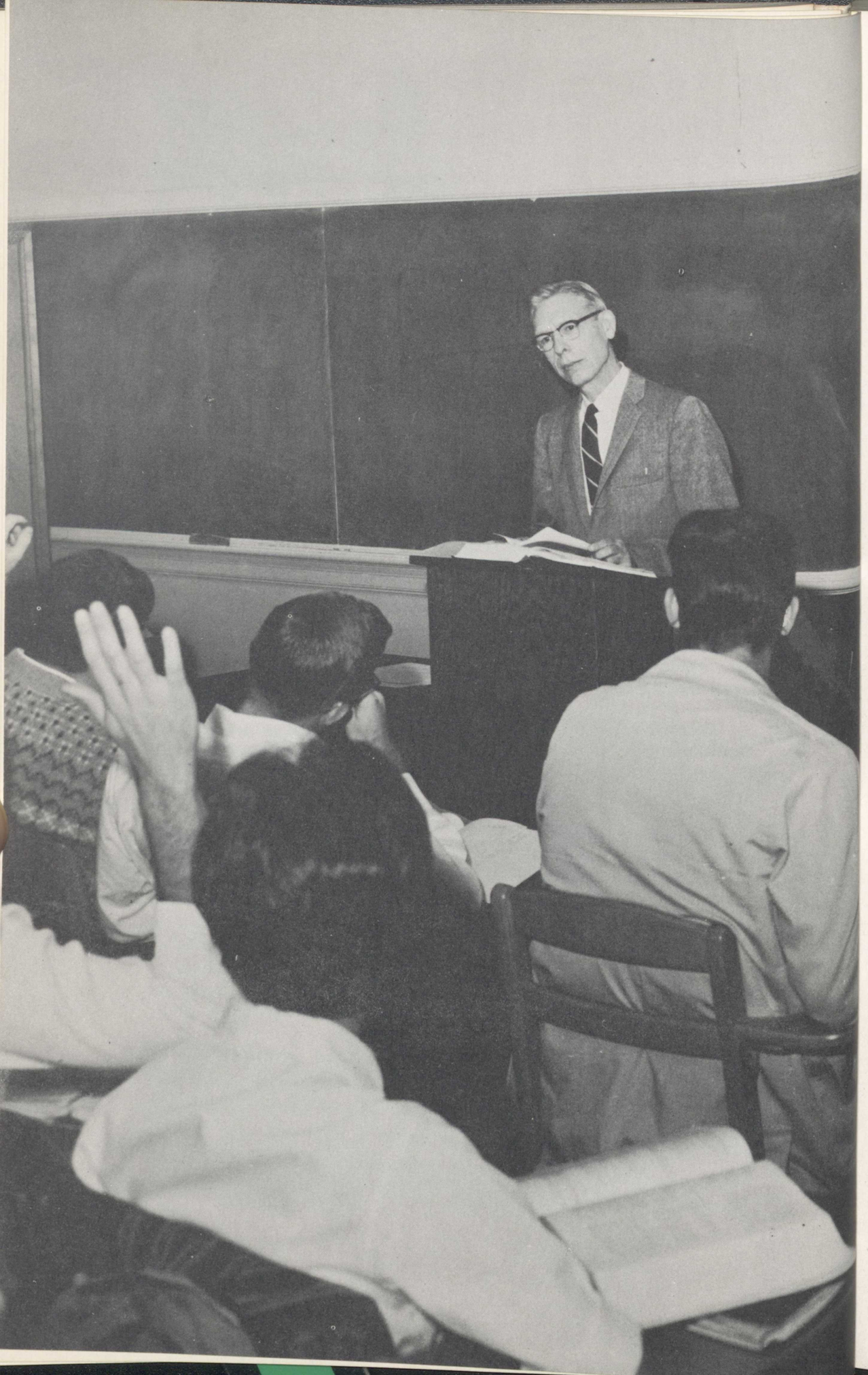
Weinland Chemistry Prize—Two prizes of $10 each are offered annually to freshman students who rank highest in the courses of General Chemistry. These awards were first made by Professor L. A. Weinland and are continued in his memory.

The Charles R. Bennett Prize Award in Business Administration—Mr. Charles R. Bennett of Westerville, Ohio, has established a prize fund in Business Administration in the sum of $750, the income from which is awarded to students showing high rank in the Department of Economics and Business Administration.

The Kathleen White Dimke Essay Contest—Mr. T. E. Dimke, and friends have established this contest in memory of Mrs. Dimke. It offers prizes of $15, $10, and $5 for the best serious essays written by regularly enrolled students in each school year.

The Mary Miles Award in Mathematics—An annual award of $50, established by the family and friends of Mary T. Miles, a long time teacher of mathematics in high school, is available to a junior or senior student showing proficiency in mathematics.

Variations in all prizes may be made as changed conditions and discretion suggest.



Courses of Instruction

THE DIVISIONAL SYSTEM

Otterbein has organized its academic departments into five divisions. The concept of the divisional arrangement is based on the the assumption that it is desirable to preserve an interdepartmental unity in the total college curriculum. The departments are grouped as follows:

LANGUAGE AND LITERATURE: English, Foreign Languages, Speech.

SCIENCE AND MATHEMATICS: Biology and Geology, Chemistry, Mathematics, Physics and Astronomy.

SOCIAL STUDIES: Business Administration and Economics, History and Government, Religion and Philosophy, Sociology and Psychology.

FINE ARTS: Visual Arts, Music.

PROFESSIONAL STUDIES: Air Science, Education, Home Economics, Physical Education, Music Education.

EXPLANATION OF COURSES

In the numbering of the courses, first semester courses have odd numbers and second semester courses even numbers.

In case the subject matter of a course is offered continuously throughout the year, both the odd and even numbers are indicated, with a dash between them. The number of credit hours listed for such courses is the number secured at the end of a full year's work. However, in such courses the person in charge of instruction in the department concerned may permit entrance at midyear and may permit credit to be secured for either semester of the year's work separately.

The courses in the "100" group are elementary and are designed primarily for freshmen; those in the "200" group are more advanced and are for sophomores; the "300" courses are primarily for juniors and seniors; and those in the "400" group are for seniors only.

LANGUAGE AND LITERATURE

MR. PRICE, *Chairman*

Departments: English, Foreign Languages, and Speech

ENGLISH

Mr. Price, *Chairman*; Mrs. Chase, Mr. Coulter, Mrs. Fuller, Mr. Hamilton, Mrs. Haylor, Miss Munday, Mr. Ramsey, Mr. Ray, Mrs. Ray.

A major in English consists of 30 hours including English 203-204, English 211, and 21 hours of electives touching at least five of the following periods or fields: Chaucer and the Middle Ages (305); Shakespeare and His Contemporaries (311, 312); Seventeenth and Eighteenth Centuries (317, 319, 320); Romantic and Victorian Eras (315, 316, 317); American Literature (303, 304); Contemporary Literature (318, 340, 341, 342); Non-English World Literature—Classic, Medieval, and Modern (339, 341, 351, 352). One-hour special problems (361-362, 401-402) will not usually be designed to care for period coverage.

A minor in English consists of 15 hours including six hours of Basic Literature, English 303 or 304, and English 311 or 312.

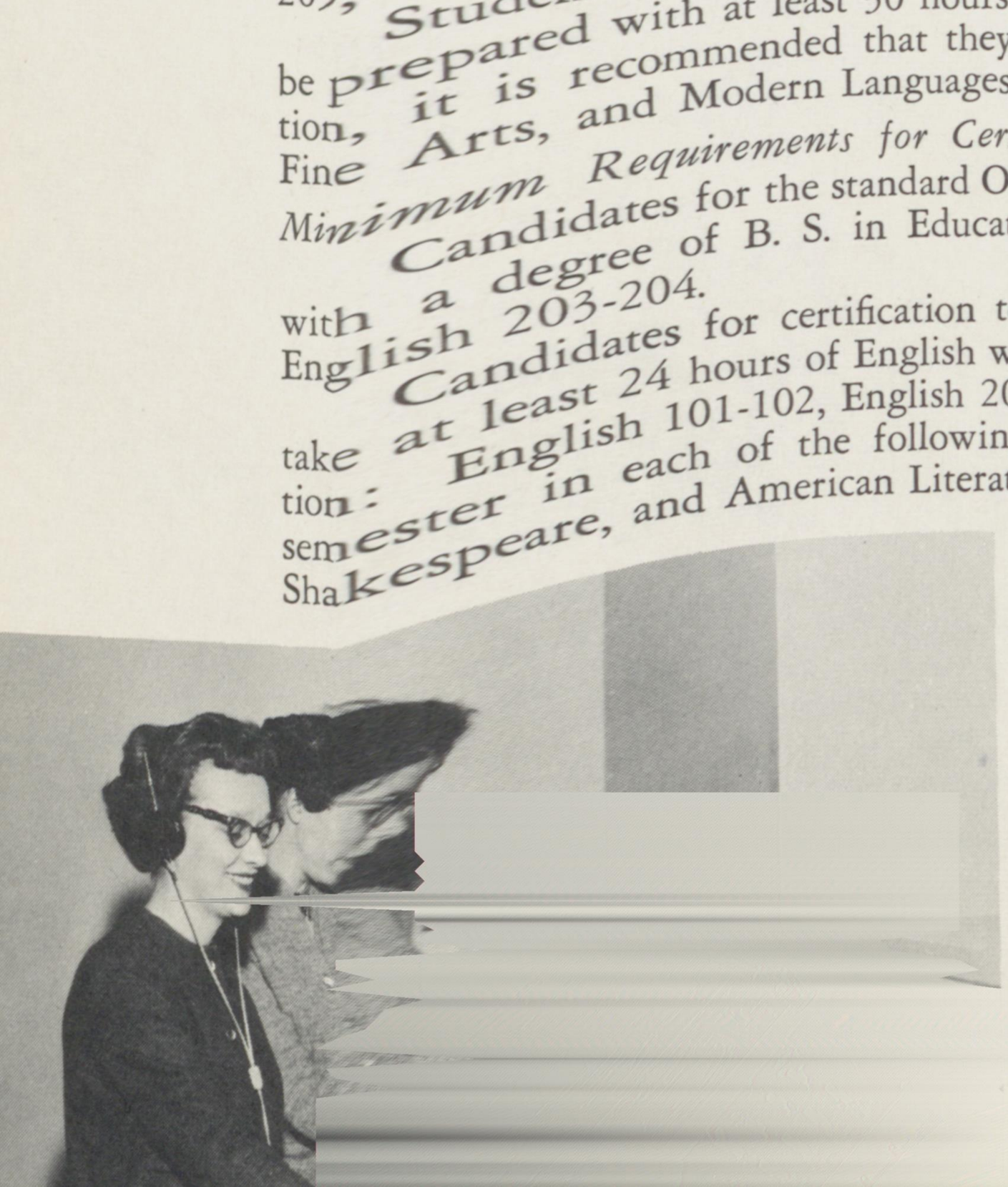
The following courses do not meet the requirements for a major or a minor in English: English 101-102, English 205-206, English 209, English 330.

Students expecting to pursue graduate studies in English should be prepared with at least 30 hours credit in literature courses. In addition, it is recommended that they have work in History, Philosophy, Fine Arts, and Modern Languages (especially French or German).

Minimum Requirements for Certification to Teach

Candidates for the standard Ohio certificate in elementary teaching, with a degree of B. S. in Education, will take English 101-102 and English 203-204.

Candidates for certification to teach English in Grades 7-12 will take at least 24 hours of English with the following minimum distribution: English 101-102, English 203-204, English 306, and at least one semester in each of the following subjects: Advanced Composition, Shakespeare, and American Literature.



ENGLISH

Language and Composition

101-102. ENGLISH COMPOSITION *6 hours*

Required of all students for graduation. On the basis of proficiency tests, a few Freshmen are released from this requirement each year with the privilege of electing an equivalent number of hours in other English courses. English 101 is prerequisite to 102.

209. ENGLISH IN BUSINESS PRACTICE *2 hours*

Training in special techniques of business letters and business reports. Not accepted for credit toward an English major. Prerequisite: English 101-102.

211. ADVANCED COMPOSITION: BASIC FORMS *3 hours*

Continued practice in expository and imaginative forms of writing, with special emphasis upon the student's creative development. Prerequisite: English 101-102.

212. ADVANCED COMPOSITION: SHORT STORY *1-2 hours*

Creative and critical writing in the field of short narrative. Prerequisite: English 211.

214. ADVANCED COMPOSITION: POETRY *1-2 hours*

Creative and critical writing in the field of poetry. Prerequisite: English 211.

306. THE ENGLISH LANGUAGE *3 hours*

A brief review of prescriptive English grammar and a linguistic study of the English language. Required for certification to teach English in Ohio, grades 7-12. Prerequisite: English 101-102.

Otterbein College

Literature

203-204. BASIC LITERATURE (HUMANITIES) *6 hours*

Masterpieces of writing fundamental in the culture of the western world with emphasis upon ideas and values, and upon the appreciation of literary forms in English and American literature. The preferred prerequisite to 300 and 400 courses in the department. Required for a major in English, for the standard certificate in elementary teaching and for a certificate to teach English in grades 7-12.

303-304. AMERICAN LITERATURE *6 hours*

First semester, major writers and literary movements from colonial times through Hawthorne, Melville, and the New England poets. Second semester, from Walt Whitman to the present time.

305. CHAUCER AND HIS AGE *3 hours*

Major writings of Chaucer and their relationship to fourteenth and fifteenth century developments in English language and literature.

311-312. SHAKESPEARE AND HIS CONTEMPORARIES *6 hours*

First semester, Elizabethan drama to 1600, including the comedies and chronicle histories of Shakespeare. Second semester, Elizabethan and Jacobean drama 1600-1616, including Shakespeare's tragedies and late dramatic romances.

315. THE ROMANTIC PERIOD *3 hours*

The Romantic Movement in England from the middle of the eighteenth centry to the death of Scott.

316. THE VICTORIAN AGE *3 hours*

The chief poets and prose writers of England from 1832 to 1900.

317. THE RISE OF THE ENGLISH NOVEL *2 (3) hours*

Selected British novels from Defoe to Hardy. A third credit hour may be earned by additional reading.

318. THE TWENTIETH CENTURY NOVEL *2 (3) hours*

From Hardy to the present, with special attention to the rise of realism in England and America. A third credit hour may be earned by additional reading.

319. MILTON AND THE SEVENTEENTH CENTURY *3 hours*

Poetry and prose from Donne to Dryden, with emphasis on Milton in his epic period.

320. THE NEO-CLASSIC AGE 1660-1784 *3 hours*

English writing from the Restoration through the Age of Johnson.

339-340. WORLD DRAMA *6 hours*

First semester, development of drama from Aeschylus to Turgenev. Second semester, from Ibsen to the present.

341. WORLD LITERATURE: THE CONTINENTAL NOVEL *2 (3) hours*

Tolstoy, Dostoevski, Flaubert, Zola, Kafka, Mann and other novelists of the nineteenth and twentieth centuries. A third credit hour may be earned by additional reading.

342. CONTEMPORARY BRITISH AND AMERICAN POETRY *2 (3) hours*

Significant poets from the end of the nineteenth century to the present. A third credit hour may be earned through additional reading.

351. WORLD LITERATURE: GREEK AND ROMAN *2 (3) hours*

Selected great books in translation, including Homer, Thucydides, Socrates-Plato, Virgil and Horace. A third credit hour may be earned by additional reading.

352. WORLD LITERATURE: MEDIEVAL AND MODERN *2 (3) hours*

Selected great books in translation, including Dante, Machiavelli, Montaigne, Cervantes, Voltaire, and Goethe. A third credit hour may be earned by additional reading.

361-362. STUDIES IN SELECTED AUTHORS *1-6 hours*

Intensive reading of individual authors, special topics to be announced each semester. Varying credit of 1-3 hours may be offered in any one semester. These courses may be repeated to a cumulative credit total of 6 hours.

401-402. ENGLISH SEMINAR *1-6 hours*

Independent research and writing, open chiefly to third- and fourth-year students with at least 18 hours and a B-average in English. Projects may well be correlated with a "Distinction" program.

Journalism

205-206. JOURNALISM *6 hours*

General survey of the history and operation of news media. Practical news writing and interpretation of current events. English 205 prerequisite to 206. Not accepted for credit toward an English major.

Methods of Teaching

330. THE TEACHING OF ENGLISH *2 hours*

A course in methods for those preparing to teach English language and literature in public school grades 7-12. Not accepted for credit toward an English major.

Remedial Work

1. REMEDIAL ENGLISH *No credit*

Offered from time to time for students who are inadequately prepared to maintain college-level standards in written composition. Laboratory fee $2.00.

FOREIGN LANGUAGES

Mrs. O'Bear, Chairman; Mr. Amy, Miss Christy, Mrs. Hopkins, Mr. Neff, Miss Rosselot, Miss Stoll, Mrs. Vance, Miss Wilson.

A major in the department may be taken in one language or in a combination of two and consists of twenty-four hours. If taken in one language, it shall include eighteen hours chosen from courses in the "300" or "400" groups. If taken in a combination of two languages, a major shall include not fewer than twelve hours chosen from the "300" and "400" groups in each language.

In either case, in order to be recommended by the department for graduate work, the student should take courses 303-304, 305-306, and 307-308.

A minor shall consist of fifteen hours taken in one language and shall include at least nine hours chosen from the "300" and "400" groups.

Courses numbered 101-102 cannot be applied on either a major or a minor.

In order to be recommended by the department for a teaching position, a student should take courses 301-302, 311-312, 315, and in French, 314.

French, Spanish, and German tables in the college dining halls conducted, upon sufficient demand, by a member of the teaching staff, offer the opportunity for additional oral practice.

French

101-102. ELEMENTARY FRENCH *8 hours*

An oral approach in which the presentation of the lesson by sound film, using the voices of native French speakers, is followed by thorough pronunciation, vocabulary, and grammar drills through the use of tapes, records, and classwork. Laboratory fee $5.00 a semester.

201-202. INTERMEDIATE FRENCH *6 hours*

This course continues to stress composition and oral work without, however, slighting reading. Laboratory fee $5.00 a semester. Prerequisite: French 101-102 or the permission of the instructor.

301-302. ADVANCED FRENCH *6 hours*

This course is intended to increase the ability of the student to express himself in the foreign language and to further acquaint him with the civilization and culture of France. Reading, grammar, and conversation based on selections of high literary merit. A prerequisite for all other "300" or "400" courses except 311-312 which should be a companion course to 301-302. Laboratory fee $2.00 a semester.

303-304. BASIC FRENCH LITERATURE *6 hours*

Selected novels, plays, and short stories from the most important authors chosen to show the growth of ideas and values now basic to French culture. Prerequisite: 301-302 or equivalent. Laboratory fee $2.00.

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305-306. SURVEY COURSE IN LITERATURE TO 1789 *6 hours*

This course covers the period from the beginnings of French literature to 1789. Lectures, readings and reports. Alternates with course 307-308. Permission of the instructor required.

307-308. SURVEY COURSE IN LITERATURE FROM 1789 TO THE PRESENT *6 hours*

This course covers the period from the Revolution to the present. Lectures, readings and reports. Alternates with course 305-306. Permission of the instructor required.

311-312. ADVANCED GRAMMAR AND COMPOSITION *4 hours*

The purpose of this course is to develop the ability of the student to speak and write the foreign language correctly. It should be taken as a companion course to 301-302 if possible.

314. PRONUNCIATION AND DICTION *2 hours*

A course given over to the careful study of the pronunciation of the language.

401-402. SEMINAR IN LITERATURE *1 to 6 hours*

A more intensive study of important authors and periods of French literature and culture intended primarily for students who are expecting to enter graduate school. The student may repeat this course using different subject matter. Permission of the instructor required.

German

A major in German is offered only on sufficient demand.

101-102. ELEMENTARY GERMAN *8 hours*

The aim of this course is to give the student a knowledge of grammatical forms and a training in reading and oral work. Laboratory fee $2.50 a semester.

201-202. INTERMEDIATE GERMAN *6 hours*

Reading of increasingly difficult materials. Grammar review. Some oral and composition work.

205-206. SCIENTIFIC GERMAN *6 hours*

Readings in the natural sciences. Material is chiefly in the field of chemistry, but students will have an opportunity to do some reading in their fields of special interest. Prerequisite, German 101-102, or the equivalent, and first year college chemistry. Limited to students majoring in the Science and Mathematics Division.

301-302. ADVANCED GERMAN *6 hours*

Conversation and composition, with continued work in grammar. Reading of modern prose, expository or literary, designed to acquaint the student with German culture. Prerequisite: German 201-202 or equivalent. Given on sufficient demand in alternate years with German 303-304.

303-304. INTRODUCTION TO GERMAN LITERATURE *6 hours*

Reading of selected examples from German fiction, drama, and poetry, accompanied by practice in spoken and written German, according to the needs of the class. Prerequisite: German 201-202 or equivalent. Given on sufficient demand in alternate years with German 301-302.

307-308. NINETEENTH AND TWENTIETH CENTURY GERMAN LITERATURE *6 hours*

First semester, the German novelle. Second semester, the drama. Prerequisite: German 301-302, 303-304, or consent of the instructor. Given on sufficient demand.

Greek

101-102. NEW TESTAMENT GREEK FOR BEGINNERS *8 hours*

Fundamentals of grammar through intensive reading and writing are stressed. Offered in alternate years.

201-202. NEW TESTAMENT READING COURSE *6 hours*

Selections from I John, one of the Gospels, the Epistles of Paul, and other New Testament writings will be read. Offered in alternate years.

Latin

101-102. ELEMENTARY LATIN *6 hours*

Inflection, syntax, derivatives, and selected readings. Offered on sufficient demand.

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201-202. SELECTIONS FROM CAESAR, CICERO, AND VIRGIL *6 hours*

Designed for students who have had 101-102 or who enter college with two or more years of preparation in Latin. Offered on sufficient demand.

Spanish

101-102. ELEMENTARY SPANISH *8 hours*

An oral-aural approach to the study of grammar and conversational Spanish. Laboratory fee $2.50 a semester.

201-202. INTERMEDIATE ORAL SPANISH *6 hours*

This course continues to stress oral work without, however, slighting composition or reading. Permission of the instructor is required. Laboratory fee $1.50 a semester.

203-204. SECOND YEAR READING SPANISH *6 hours*

A course designed for those students who want only a reading knowledge of the language. Those taking this course cannot go from it to more advanced work in Spanish, except Spanish 319-320, and it does not count toward a teaching field for students in Education. Open to those who have completed one year of college or two of high school work in Spanish.

301-302. ADVANCED SPANISH *6 hours*

The course is intended to perfect pronunciation, increase the student's ability to express himself in Spanish, give him further work in grammatical forms and permit him to do more advanced reading than is done in course 201-202. Laboratory fee $1.00 a semester.

303-304. BASIC SPANISH LITERATURE *6 hours*

A brief study of the masterpieces which influence later Spanish, Spanish-American, and World Literatures with special attention given to the modern works which give the student a general idea of the significant and characteristic tendencies of Hispanic Literature in the twentieth century. This course is prerequisite to other literature courses. Laboratory fee $2.00 a semester.

305-306. SURVEY COURSE OF EARLY SPANISH LITERATURE *6 hours*

A survey of the literature of Old Spain with emphasis on the works and authors of the seventeenth and eighteenth centuries. Offered in alternate years.

307-308. SURVEY COURSE OF LATER SPANISH LITERATURE *6 hours*

A survey of the works of the nineteenth and twentieth centuries with an introduction to the literature of the New World. Offered in alternate years.

311-312. ADVANCED GRAMMAR AND COMPOSITION *4 hours*

To develop the ability of the student to speak and write the foreign language correctly. Permission of the instructor is required. Should be taken as a companion course to 301-302 if possible.

319-320. ADVANCED SPANISH READINGS *4 hours*

An advanced reading course. No oral or composition work in Spanish will be required. Prerequisite: Spanish 201-202, or Spanish 203-204. Offered on sufficient demand.

401-402. SEMINAR IN LITERATURE *1-6 hours*

A group project. An intensive study of an author or field of interest, intended primarily for those who are looking forward to graduate school.

All Modern Languages

251-252 or 351-352. FOREIGN STUDY *1-3 hours*

Open to students who wish to continue their study of a language in the foreign country and who have completed one year or more of work in the language in college. Plans for study must be presented in advance and must be approved by the department of foreign languages. Students must make regular reports during their residence in the foreign country and must pass an examination upon their return.

315. THE TEACHING OF LANGUAGE *3 hours*

A study of the methods now in use for teaching the modern languages. Credit only as special methods in Education. Laboratory fee $2.00 a semester.

217-218. FOREIGN LANGUAGE WORKSHOP *1-2 hours*

A study of the life and manner of thinking of the foreign peoples, including modern life as well as folk ways. Permission of instructor required. Laboratory fee $1.00 a semester.

All Foreign Languages

391-392. SPECIAL PROBLEMS *1-6 hours*

This work is designed to take care of the needs of the individual student.

SPEECH

Mr. Grissinger, *Chairman,* Mr. Chase, Mr. Dodrill, Mr. Thayer

A major in Speech consists of twenty-seven hours, excluding Speech 101, and including at least one course in four of the following areas: interpretation, public address, radio-TV, speech science and education, and theatre. Speech 313 is required.

A minor in speech consists of fifteen hours, excluding Speech 101, and including 201 and 313. A speech staff member must approve elective courses for the minor.

In order to be recommended by the department for a teaching position in speech, a student should take courses 101, 201, 313, 103 or 303, 211, 213, 301, 302, and 319. Speech majors are required to participate significantly in three of the following activities: debate, individual speech events, theatre, radio. Activities are described elsewhere in this catalog.

Public Address

101. FUNDAMENTALS OF PUBLIC SPEAKING *3 hours*

A course in informative, persuasive, and entertaining public speaking with intensive practice guided by a study of the fundamentals of good

speaking. Time is reserved for commendation and evaluation by the instructor and the class audience.

103. BEGINNING DEBATE SEMINAR *1 hour*

Open to beginning debaters and to those preparing for the annual Freshman-Sophomore Debate. Essentially an activity course. May be repeated for credit. Laboratory fee $1.00.

108. GROUP DISCUSSION *3 hours*

A course in the principles and practice of committee-type speaking. Extensive experience is provided in informal discussion, participation and leadership. Prerequisite: Speech 101 or permission of the instructor. Laboratory fee $1.00.

203. SPEECH EVENTS SEMINAR *1 or 2 hours*

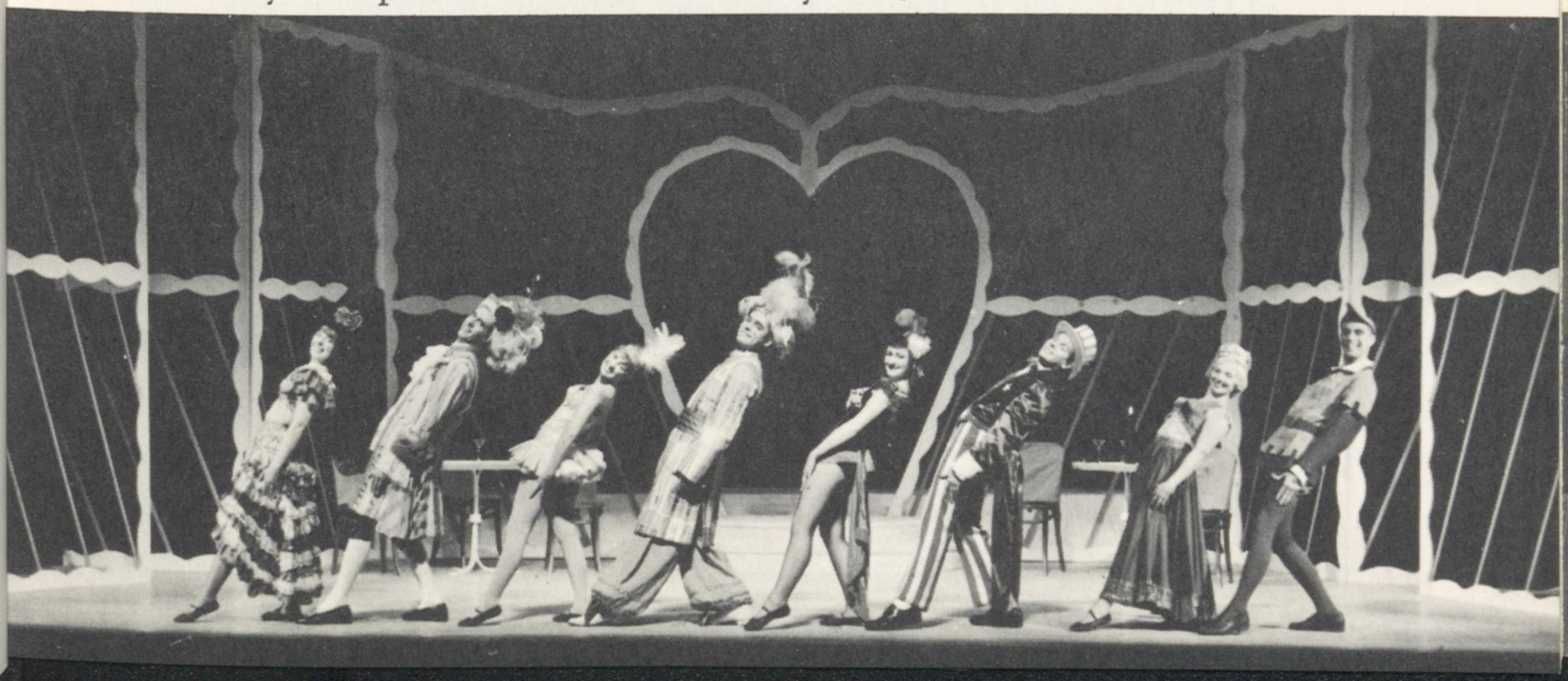
Individual instruction for those students interested in state intercollegiate contests in oratory, extemporaneous speaking, manuscript reading, oral interpretation, or in Russell and Byers campus contests. May be repeated for credit. Laboratory fee $1.00.

224. FORMS OF PERSUASION *3 hours*

Study of the common persuasive appeals met and used in the modern communicative processes. Persuasive materials, organization, and analysis of arguments are included. Emphasis is on developing knowledge and use of argumentative techniques. Prerequisite: Speech 101. Offered in alternate years. Laboratory fee $1.00.

303. VARSITY DEBATE SEMINAR *2 hours*

Open to those with previous debate experience who wish to represent Otterbein in intercollegiate forensics. Practice debates of various types are held among members of the seminar; there is an extensive program of intramural and state contest debating. Essentially an activity course. May be repeated for credit. Laboratory fee $2.00.



Otterbein College

313. ADVANCED SPEECH *3 hours*

Practice in advanced public speaking guided by text principles and criticism by the class audience and the instructor. Specific speaking situations are assumed; considerable attention is given to the finer points of speech organization, content and delivery. Prerequisite: Speech 101. Laboratory fee $1.00.

Theatre

210. INTRODUCTION TO THEATRE *3 hours*

A comprehensive course designed to introduce students of varied interests to all elements of theatre: dramatic literature, dramatic history, the art of stagecraft, acting, directing, managements, and appreciation. Some laboratory experience. Laboratory fee $2.00.

211. THEATRE APPRECIATION *3 hours*

A basic course devoted to the appreciation of the World Theatre from the Greeks to the present. Emphasis on new dramatic forms, staging, and personalities of each period. Special consideration to contemporary theatre trends. Not restricted to speech majors. Laboratory fee $1.00.

213. FUNDAMENTALS OF TECHNICAL PLAY PRODUCTION *I 3 hours*

A lecture-laboratory study of the physical theatre, its devices, and adaptability to various production styles, construction, painting and rigging of scenic units. Each student receives practical experience in Otterbein College Theatre productions. Laboratory fee $1.00.

214. FUNDAMENTALS OF TECHNICAL PLAY PRODUCTION *II 3 hours*

A lecture-laboratory study of theory of stage lighting, costumes, and other technical problems. Each student receives practical experience in Otterbein College Theatre productions. Prerequisite 213 or consent of instructor. Laboratory fee $1.00.

301. ACTING *3 hours*

A class and laboratory study of the basic principles and techniques of acting. Sensory responsiveness; character observation, motivation, and improvisation; voice, gesture, and movement; vicarious experience and its application to characterization. Short scenes will be performed before the class. Laboratory fee $1.00.

302. DIRECTING *3 hours*

A lecture-laboratory course covering the principles and techniques of the director's art. Fundamentals of staging: blocking, movement, business, tempo, script selection and analysis, casting, and rehearsal planning. Class members will direct short scenes. Prerequisite: 301 or permission of the instructor. Laboratory fee $1.00.

314. MAKE-UP *1 hour*

A lecture-laboratory course stressing the fundamentals of theatrical make-up. Prerequisite: permission of the instructor. Laboratory fee $1.00.

The following courses are useful to the speech major or minor in the theater areas.

SHAKESPEARE AND HIS CONTEMPORARIES *6 hours*

See course 311-312 in the Department of English.

WORLD DRAMA *6 hours*

See course 339-340 in the Department of English.

BASIC DESIGN *2 hours*

See course 121 in the Department of Visual Arts.

Interpretation

201. ORAL INTERPRETATION *3 hours*

Development of adequate responsiveness to the meaning of all forms of literature, and of the power to read orally to communicate this meaning to others. Each student is given ample opportunity for oral practice before the class. Prerequisite: Speech 101 or premission of the instructor. Laboratory fee $1.00.

Otterbein College

Radio and Television

107. TECHNIQUES OF RADIO PRODUCTION *1 hour*

A study and practice in developing a radio program, including writing, microphone techniques, and production planning. Required of all WOBN program personnel. Laboratory fee $1.00.

207. THE NATURE OF RADIO-TV *3 hours*

A descriptive course dealing with the present position of the industry as a social and economic force, and the history, development, and trends of radio and television as communications media. Laboratory fee $2.00.

208. RADIO-TV SPEAKING *3 hours*

A course designed to increase the speech skills of the student who may occasionally appear on radio or TV. Extensive practice designed to simulate radio or TV experiences is provided. Speeches, demonstrations, interviews, and panels presented in the classroom and on the campus radio station, WOBN. Laboratory fee $2.00.

Speech Science and Education

110. VOICE AND DICTION *2 hours*

A study of the principles and practice of personal voice improvement. Voice elements of pitch, rate, volume, quality, phonation, articulation and pronunciation are given extensive consideration. Essentially a lab course, it is intended to improve speaking voices particularly of potential teachers, ministers and other professional persons. Prerequisite: Speech 101 or permission of instructor. Laboratory fee $3.00.

304. SURVEY OF SPEECH CORRECTION *3 hours*

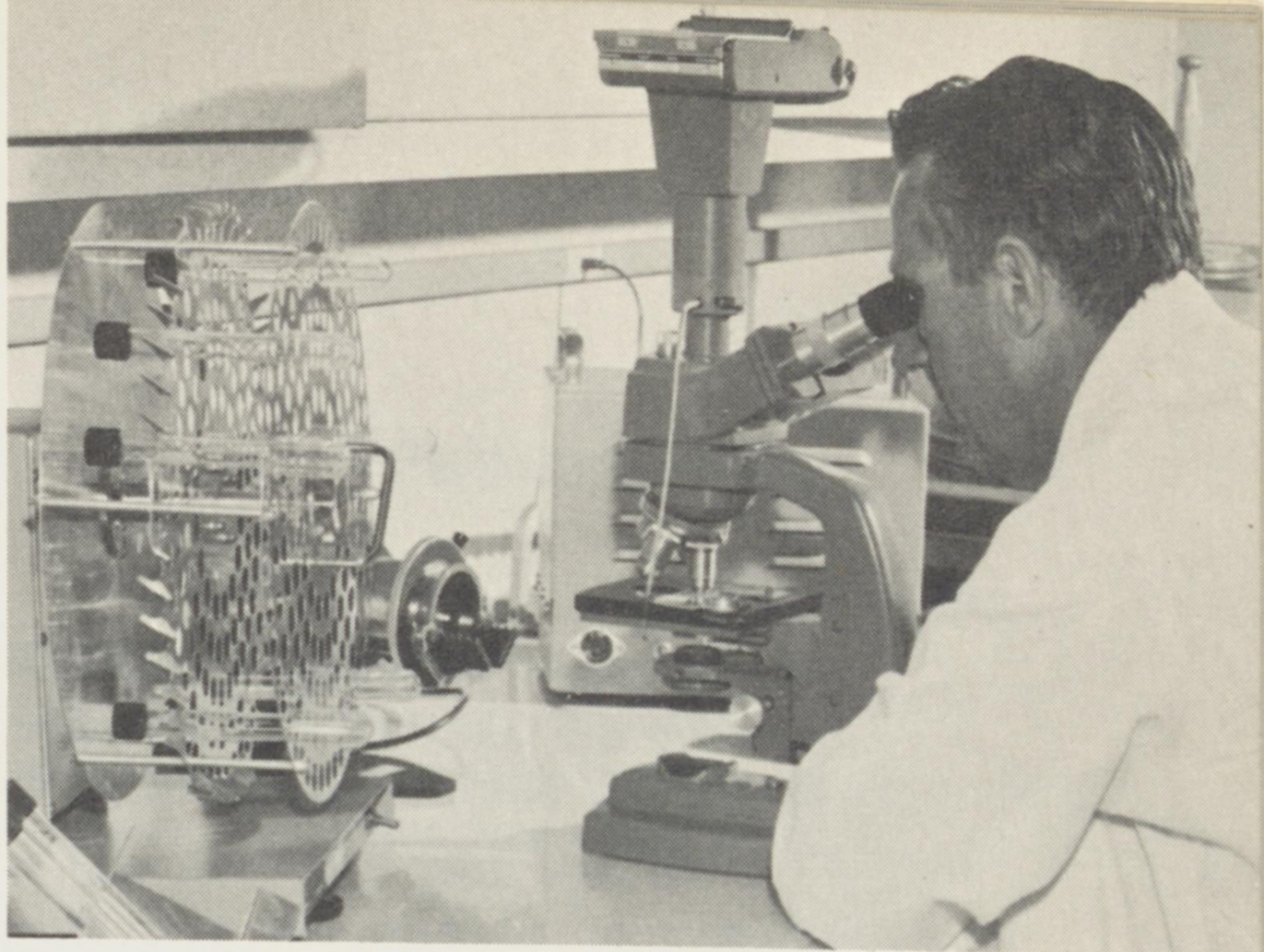
A survey of the causes and correction of speech defects, coupled with a study of the structure and functions of various parts of the vocal mechanism. This course is designed particularly for public school teachers. Offered in alternate years. Laboratory fee $2.00.

319. THE TEACHING OF SPEECH *2 hours*

A course in methods for those preparing to teach speech in the secondary schools. Laboratory fee $1.00.

391. SPECIAL PROJECTS IN SPEECH *1-3 hours*

Research projects in theatre, public address, radio-TV, speech science, speech education—for qualified students. Prerequisites: Junior standing and permission of the instructor. May be repeated for credit. Laboratory fee $1.00.



THE DIVISION OF SCIENCE AND MATHEMATICS

MR. MICHAEL, *Chairman*

Departments: Biology and Geology, Chemistry, Mathematics, Physics and Astronomy

BIOLOGY AND GEOLOGY

Mrs. Willis, *Chairman;* Mr. Botts, Mr. Phinney, Mr. Tegenkamp.

Biology

The combination of biology and related courses which may be acquired by the student to represent a major in the biological sciences depends in part upon the profession for which the student is preparing. In unusual cases or under extenuating circumstances, all members of the biology department will be asked to act on a student petition for change of prescribed curriculum.

Major

A major in biology consists of a minimum of 33 hours and includes: Biology 111, 112, 206 or 207 and 403-404. Not more than 4 hours of Biology 401-402, or of the hours earned in the Distinction Program may be included in the required hours for the major. Biology 349 does not count on the major.

Students majoring in biology are required to have general chemistry, one organic chemistry course, one year of mathematics, and one year of physics.

Otterbein College

Minor

A minor in biology consists of a minimum of 19 hours including Biology 111 and 112, one advanced course in Botany (Biology 206 or 207) and one advanced course in Zoology.

Biology 202, 232, 349, and 403-404 cannot be counted in the minor. In addition one year of college chemistry is required, and Biology 111 and 112 are prerequisites.

111. GENERAL BIOLOGY (ZOOLOGY) *4 hours*

A study of the animal kingdom including gross morphology, histology, phylogeny, history, physiology and biochemistry; laboratory work included. Six class hours per week.

112. GENERAL BIOLOGY (BOTANY) *4 hours*

A study of the plant kingdom including the anatomy, morphology, physiology, genetics, evolution, economic and cultural values and history; laboratory work included. Six class hours per week.

115. ORNITHOLOGY *3 hours*

A study of birds and bird life with thirty or more lectures, recitations, and frequent reports on assigned topics. Field study will be included. Three class hours per week.

201. COMPARATIVE VERTEBRATE ANATOMY *5 hours*

A detailed comparative study of structures and organ systems of the Chordates with emphasis on phylogenetic considerations; laboratory work included. Eight class hours per week.

202. MICROSCOPIC TECHNIQUE *1 hour*

The techniques of preparation of animal and plant material for microscopical examination. Three class hours per week.

203. INVERTEBRATE ZOOLOGY *4 hours*

An intensive study of the morphology and development of the Invertebrata with emphasis on phylogenetic considerations; laboratory work included. Six class hours per week.

206. COMPARATIVE MORPHOLOGY OF VASCULAR PLANTS *4 hours*

A comparative study of the structure, morphogenesis, life cycles and fossil record of representative members of the vascular plants. Special attention given to evolutionary principles; laboratory work included. Six class hours per week.

207. PLANT TAXONOMY *4 hours*

A study of various systems of classification, characteristics and phylogenetic relationships of principal orders and families of Angiosperms; laboratory work included. Field trips required, some extending beyond regular laboratory period, or on Saturday. Six class hours per week.

209. HISTOLOGY *3 hours*

A study of animal protoplasm and cellular organization. The microscopic anatomy of tissues; laboratory work included. Five class hours per week.

218. FIELD BIOLOGY *3 hours*

A study of the fundamental principles of ecology, field and laboratory identification of local flora and fauna, and techniques utilized in field biology. Emphasis placed on field and laboratory work. Field trips included, some extending beyond the normal laboratory periods, or on Saturday. 5 class hours per week.

221. ANATOMY AND PHYSIOLOGY *5 hours*

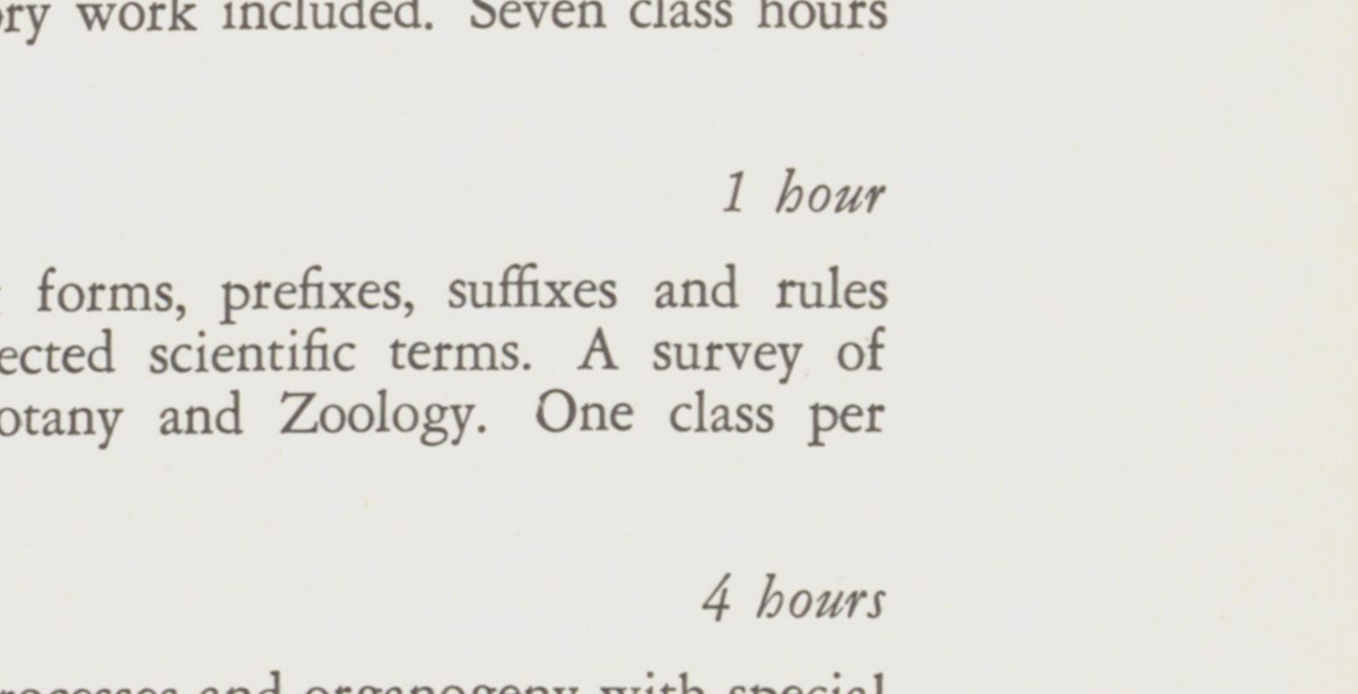
A course designed primarily for students having a minimum of previous work in the sciences. A study of the normal structure and functions of the human body; laboratory work included. Seven class hours per week.

232. TERMINOLOGY *1 hour*

A study of the basic combining forms, prefixes, suffixes and rules which govern the makeup of selected scientific terms. A survey of the rules of nomenclature for Botany and Zoology. One class per week.

301. GENERAL EMBRYOLOGY *4 hours*

A detailed study of development processes and organogeny with special emphasis on the vertebrates; laboratory work included. Six class hours per week.



Otterbein College

305. BACTERIOLOGY *4 hours*

Bacterial cytology, morphology, and physiology of economic and pathogenic forms. Methods of cultivation, isolation and staining; laboratory work included. Six class hours per week.

306. COMPARATIVE MORPHOLOGY OF THE NON-VASCULAR PLANTS *4 hours*

A comparative study of the structure, morphogenesis, and life cycles of the non-vascular plants. Symbiotic and evolutionary principles are stressed; laboratory work included. Six class hours per week.

309. PLANT PHYSIOLOGY *3 hours*

An introductory study of the physiology of plants; laboratory work included. Five class hours per week.

312. RADIATION BIOLOGY *3 hours*

An introduction to the techniques of radiation biology; the physical properties of radiation and the biological effects of radiation on living cells; laboratory work included. Five class hours per week.

316. GENETICS *3 or 4 hours*

A study of the basic principles of genetics. Illustrative examples to be chosen from both plant and animal kingdoms. Three class hours per week for three hours credit; two additional class hours including laboratory for four hours credit.

323. CELLULAR PHYSIOLOGY *4 hours*

An intensive study of the physiology of cells, including both internal and external environment; laboratory work included. Six class hours per week. Prerequisites: an organic chemistry course or consent of the instructor.

324. COMPARATIVE ANIMAL PHYSIOLOGY *4 hours*

A comparative study of general physiological principles in the animal kingdom; laboratory work included. Six class hours per week. Prerequisites: an organic chemistry course or consent of the instructor.

349. SPECIAL METHODS *2 hours*

Methods of teaching biological sciences in the secondary schools are studied by means of lectures, laboratory work and library references. Three class hours per week. Prerequisite: Junior and Senior status and consent of the instructor.

401-402. MINOR PROBLEMS AND RESEARCH
Credits to be arranged

Properly qualified students may undertake special problems in any field within the department, provided arrangements are made in advance with one of the instructors. Usually Junior or Senior status is required.

403-404. SEMINAR *2 hours*

Selected subjects. Required of all students majoring in biology. One class hour per week. Prerequisite: Senior status or student must be in terminal year at Otterbein.

Geology and Geography

101. PRINCIPLES OF PHYSICAL GEOGRAPHY *3 hours*
The earth and its planetary relations, maps and their interpretation; elements of the natural environment, particularly in relation to life; cultural elements of the landscape and geographic realms. Two lectures and one laboratory or field excursion weekly.

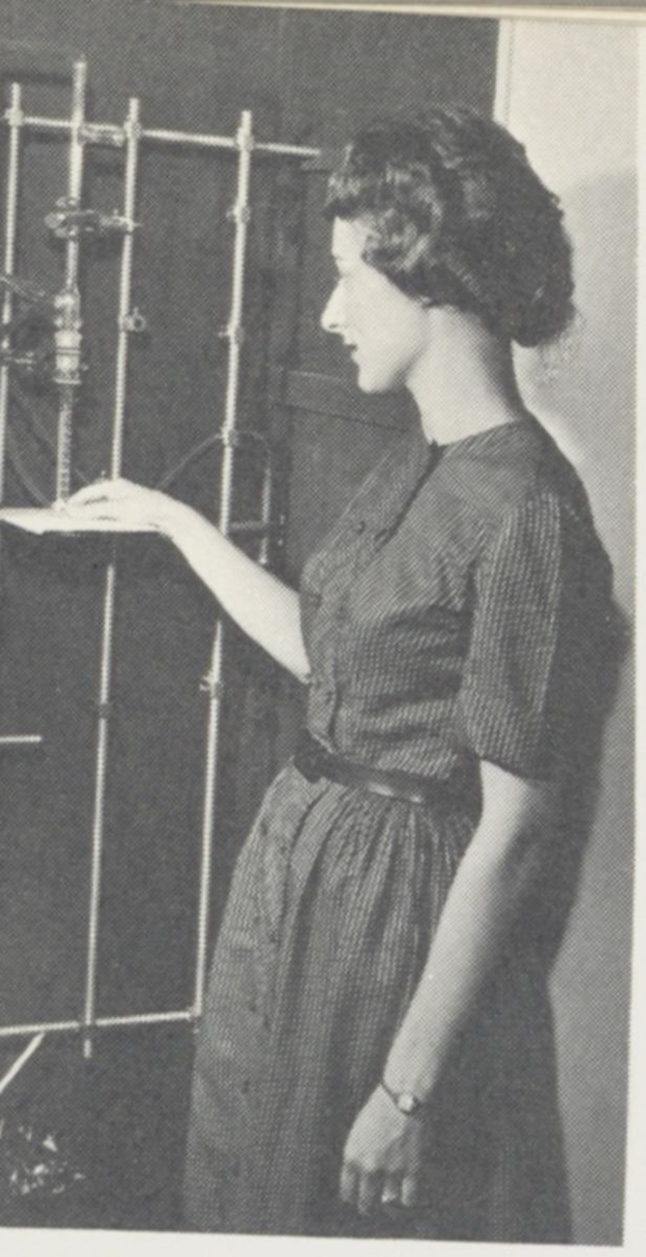
207-208. GENERAL GEOLOGY *8 hours*

The elements of the science, covering its main subdivisions: physical and historical. The materials of the earth, their structural features, the forces operating them, and the result. The second semester is given chiefly to a consideration of the history of the earth, tracing its changes and the progress of life from the earliest time to the present. The laboratory work deals with rocks, rock-forming materials, fossils, type sections, and maps. Two lectures and four hours of laboratory work each week. Occasional field excursions are included. Prerequisite: Biology 111-112, and the equivalent of a high school course in general chemistry. Offered in alternate years.

CHEMISTRY

Mr. Turley, *Chairman;* Mr. Crane, Mr. Michael, Mr. Morton.

A major shall consist of at least 28 hours including Chemistry 101-102, 201, 209-210, 309, 403-404. A reading knowledge of scientific German is also required. Students planning for graduate study or industrial employment in chemistry should follow the curriculum suggested by the American Chemical Society. This would include the above courses and Inorganic Chemistry 313, Physical Chemistry 310, Analytical Chemistry 314, and two of the following three: Organic Qualitative Analysis 303, Radiation Chemistry 312, and Special Problems 401-402.
A minor shall consist of 18 hours chosen in consultation with members of the staff.



101-102. GENERAL CHEMISTRY *8 hours*

This course includes the fundamentals of general chemistry and includes qualitative analysis in the second semester. Three recitations and one laboratory period each week.

201. QUANTITATIVE ANALYSIS *4 hours*

An effort is made to give the student a foundation in the principles of chemical analysis, to provide practice in analytical procedures and calculations, and to develop a long range view of the nature and application of analytical methods. Nine to twelve hours in laboratory and two lectures a week.

205. ORGANIC CHEMISTRY *4 hours*

A short course in the fundamentals of organic chemistry. Three lectures and one laboratory period. Prerequisite: Chemistry 101-102.

206. BIOCHEMISTRY *4 hours*

A brief course in fundamentals. Three lectures and one laboratory period.

313. INORGANIC CHEMISTRY *3 hours*

An advanced course with emphasis on typical classes of inorganic compounds. Prerequisite: Chemistry 101-102.

209-210. ORGANIC CHEMISTRY *10 hours*

A course in the structure, preparation, chemical behavior, and industrial applications of the chief classes of organic compounds. The laboratory practice stresses the technique and methods used in the preparation of the compounds of carbon. Three lectures and two laboratory periods a week. Prerequisite: Chemistry 101-102.

303. ORGANIC QUALITATIVE ANALYSIS *3 hours*

The separation and identification of organic compounds. Prerequisite: Chemistry 209-210.

305. METHODS IN TEACHING CHEMISTRY *2 hours*

This course is designed to supplement the work of the Department of Education by presenting problems peculiar to the teaching of chemistry. Not accepted on a major.

306. COLLOIDS *2 hours*

A lecture course dealing with the fundamental concepts and problems involved in the chemistry of the colloidal state. Prerequisites: Chemistry 201 and 209-210. Offered in alternate years.

309-310. PHYSICAL CHEMISTRY *8 hours*

An introductory course in Physical Chemistry. The physical properties of gases, liquids, and solids, and the relation of these properties to molecular constitution, conductivity, radioactivity, etc. Prerequisites: Chemistry 209-210, General Physics and Calculus, or permission of the instructor.

312. RADIATION CHEMISTRY *3 hours*

An introduction to principles and practices of radiochemical processes. Due consideration is given to safe handling of radioactive materials and protection of personnel from radiation health hazards. Two lectures, one laboratory period per week.

314. ANALYTICAL CHEMISTRY *4 hours*

Principles and practices of analytical chemistry, including spectrophotometric, electrolytic deposition and chromatographic techniques. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 201, 309-310.

401-402. SPECIAL PROBLEMS *2 or more hours*

A course designed to familiarize the advanced student with the tools and techniques of chemical research. Conference, library, and laboratory work.

403-404. CHEMISTRY SEMINAR *2 hours*

Required of all seniors majoring in chemistry.

MATHEMATICS

Mr. Bamforth, *Chairman;* Mr. Estes, Mr. Molyneux, Mr. Wiley, Mr. Willis.

A major in mathematics consists of at least 27 hours which must include Math 122, 211, 212, and at least 12 hours in the 300 or 400 courses. Math 107, 131, 140, and 301 do not count toward the major.

A minor consists of at least 15 hours which must include Math 122, 211, and 212.

The recommended courses for certification to teach high school mathematics include 9 to 12 hours of algebra, trigonometry, analytics, calculus, or geometry, and 6 to 9 hours of business math, engineering drawing, statistics, astronomy, or history of mathematics, with a minimum total of 18 hours.

Provision is made for various levels of ability and preparation in mathematics. An entering student who wishes to major in mathematics may take one of the courses Math 109, 121, or 122 depending upon the results of the entrance examination. Students that participate in advanced programs may receive advanced standing.

107. MATHEMATICS FOR ELEMENTARY TEACHERS *3 hours*

Selected topics from arithmetic, algebra, and geometry for the needs of the elementary teacher. Credit for this course will be allowed to elementary education majors only.

109-110. COLLEGE ALGEBRA AND TRIGONOMETRY *6 hours*

Functions, graphs, sets, inequalities. equations, binomial theorem, probability, and trigonometric functions.

125. SLIDE RULE *1 hour*

Prerequisites: College Algebra and Trigonometry. Principles of the slide rule applied to problems in arithmetic, algebra, and trigonometry.

131. ELEMENTARY STATISTICS *3 hours*

Prerequisite: Math 109 or permission of the instructor. A study of the principles of probability and statistics including descriptive statistics and statistical inference.

140. BUSINESS MATHEMATICS *3 hours*

A study of interest, annuities, amortization, bonds, depreciation, loans and insurance.

151-152. ENGINEERING DRAWING *6 hours*

Instruction in the use of drawing instruments and materials. Drawing in orthographic, isometric, oblique, and perspective projection.

121. ALGEBRA AND TRIGONOMETRY *5 hours*

Not open to those who have credit for Math 109-110. Real number system, equations, functions, inequalities, logarithms, determinants, trigonometric functions, analytical trigonometry and complex numbers.

122. ANALYTICS AND CALCULUS I *5 hours*

Prerequisite: Math 110 or Math 121 or permission of the instructor. Points, lines, curves, limits, differentiation, antidifferentiation, applications, trigonometric functions, and parametric equations.

211. ANALYTICS AND CALCULUS II *5 hours*

Definite integral, logarithmic and exponential functions, techniques of integration, applications, polar coordinates, and vector algebra.

212. ANALYTICS AND CALCULUS III *5 hours*

L'Hospital's rule, infinite series, solid analytics, partial differentiation, multiple integrals, and applications.

All 300 level courses have a prerequisite of Math 212.

301. METHODS *2 hours*

Problems and techniques of teaching secondary mathematics.

302. MODERN ALGEBRA *3 hours*

A study of the structure of algebraic systems including integral domains, congruences, groups, and fields.

303. ADVANCED GEOMETRY *3 hours*

Points, lines, and circles connected with a triangle, harmonic ratios, orthogonal circles, and inversions. Some topics from non-Euclidean geometry.

304-305. MATHEMATICAL STATISTICS *6 hours*

Permutations, combinations, probability, discrete and continuous distribution functions, confidence limits and hypothesis testing.

Otterbein College

306. COMPUTER PROGRAMMING *3 hours*

Principles and techniques of programming for a digital computer.

307. HISTORY OF MATHEMATICS *3 hours*

The historial development of mathematics.

313-314. ADVANCED CALCULUS *6 hours*

Limits, ordinary and partial derivatives, vector calculus, definite integrals, line integrals, sequences, series, complex numbers, analytic functions, and conformal mapping.

315. DIFFERENTIAL EQUATIONS *3 hours*

Equations of first order and first degree, linear equations, systems of equations, series solution, applications, and Fourier series.

322. DETERMINANTS AND MATRICES *3 hours*

Properties of determinants, matrix algebra, systems of linear equations, vector spaces, and characteristic polynomials.

400. ADVANCED STUDIES IN MATHEMATICS *1-3 hours*

Topics not covered in the regular departmental offering.

PHYSICS AND ASTRONOMY

Mr. Barnhart, *Acting Chairman;* Mr. Bulthaup; Mr. Molyneux.

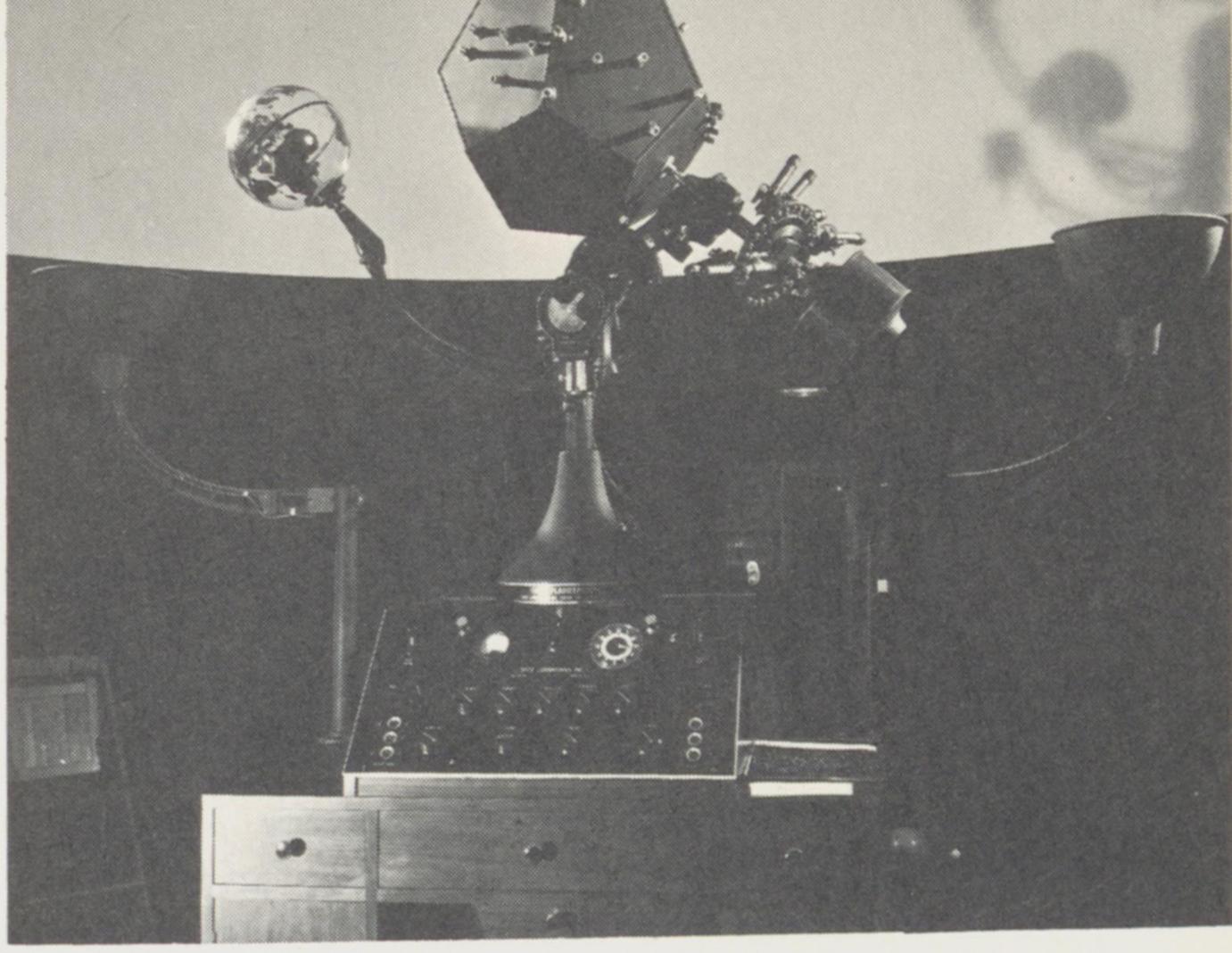
Physics

A major shall consist of 30 semester hours. At least 6 hours must be elected from "300" level courses in addition to Physics 315-316.

A minor shall consist of 18 hours which must include Physics 315-316.

105-106. GENERAL PHYSICS *8 hours*

Designed to provide students with an introduction to the field of physics. Topics are chosen from mechanics, heat, wave motion, and electricity, but integrated and related to modern physics. Three lecture-demonstrations, one two-hour laboratory and one discussion section each week. A working knowledge of trigonometry required.



PHYSICS 209. GEOMETRICAL OPTICS *3 hours*

An intermediate treatment of the basic laws of reflection and refraction and their application in the design and use of optical instruments. Prerequisites: Physics 105-106, Math 121. Alternates with Physics 315.

PHYSICS 210. PHYSICAL OPTICS *3 hours*

A treatment of the fundamentals of the microscopic behavior of electromagnetic radiation, interference, diffraction, polarization and spectra. Prerequisites: Physics 105-106, Math 121. Alternates with Physics 316.

PHYSICS 211. BASIC ELECTRICITY *4 hours*

This course includes the study of electric and magnetic phenomena, field theory, direct, transient and alternating current theory. Two lectures and two laboratory periods each week. Prerequisites: Physics 105-106, Math 122.

PHYSICS 212. BASIC ELECTRONICS *4 hours*

A course in fundamentals of electronics and electronic instrumentation for students in the sciences. Characteristics and circuit theory of vacuum tube and semi-conductor instruments are treated in terms of application to scientific measurement and recording. Two lectures and two laboratory meetings each week. Prerequisites: Physics 105-106, Math 122.

PHYSICS 301. ADVANCED ELECTRICITY AND MAGNETISM *3 hours*

Application of Maxwell's equations to quasi-stationary fields and currents, physical optics, wave guides, cavity resonators, antennas, radiation from accelerating charges, theories of radiation reaction and plasmas. Three lectures and two laboratory meetings each week. Prerequisites: Physics 211, Math 211.

303-304. INTERMEDIATE MECHANICS *6 hours*

Designed for physics majors or pre-engineering students. Emphasis

on those elements of mechanics required in advanced physics including statics and dynamics. Three lectures per week. Prerequisites: Physics 105-106 and Math 211. Alternates with 307 and 308.

307. HEAT AND THERMODYNAMICS *3 hours*

Designed to acquaint the student with the fundamental concepts of energy and heat as they apply in engineering and chemical processes including the ideal gas laws, characteristics of real gases and vapors, fluid flow and thermodynamic cycles. Prerequisites: Physics 105-106, Math 211.

308. INTRODUCTION TO MATHEMATICAL PHYSICS *3 hours*

An introduction to the mathematical methods encountered in theoretical physics at the graduate level. Examples from mechanics, electrodynamics, quantum theory, kinetic theory, relativity and nuclear theory. Prerequisites: Physics 105-106 and Math 211. Math 315, Differential Equations, is also recommended as a preparatory course.

313. METHODS *2 hours*

Methods of teaching physics in secondary schools.

315-316. MODERN PHYSICS *6 hours*

An introduction to modern concepts of physics. Einstein Relativity, Quantum Mechanics, Atomic Physics and Nuclear Physics. Prerequisites: General Physics and Calculus.

PHYSICS 401-402. ADVANCED LABORATORY PHYSICS *1 to 4 hours*

Special problems in Physics for students interested in extending their laboratory experience, performing distinction programs, or assisting in general physics laboratories. Prerequisites: Physics 105-106 and consent of instructor.

Physical Science

101 or 102. PHYSICAL SCIENCE *4 hours*

A course to study the basic principles of Astronomy, Physics, and Chemistry. Includes three lectures and one two-hour laboratory per week. Required of Elementary Education students.

Astronomy

101. DESCRIPTIVE ASTRONOMY — THE SOLAR SYSTEM *3 hours*

An introduction to the discoveries of modern astronomy concerning the solar system and the historical foundations of these discoveries.

102. DESCRIPTIVE ASTRONOMY — STELLAR ASTRONOMY *3 hours*

An introduction to the study of the physical nature of the universe and of the part played by astronomy in assessing man's position in the universe.

203. OBSERVATIONAL ASTRONOMY *1 to 2 hours*

Two to four hours a week devoted to the application of modern observing techniques in astronomy.

THE DIVISION OF SOCIAL STUDIES

MR. HANCOCK, *Chairman*

Departments: Economics and Business Administration, History and Government, Religion and Philosophy, Sociology and Psychology.

COMPREHENSIVE MAJOR IN SOCIAL STUDIES

A major in the general field of social studies shall consist of a minimum of 33 hours, which must include Economics 201-202, Sociology 201-202, History 203-204 or History 201-202, Government 201-202 as required courses.

Beyond the foregoing courses, nine hours of electives must be selected from 300 or 400 numbered courses from *one* of the following subjects: History, Economics, Government, Sociology, Philosophy, Psychology, or Religion. In addition to the above, the distribution requirements of six hours in social studies and six hours in Bible must also be fulfilled.

Requirements of the State Department of Education of Ohio for a comprehensive teaching major in Social Studies are 45 hours. They include History 101-102 or History 203-204, History 201-202, Economics 201-202, Sociology 201-202, Government 201-202, Geography 101, and twelve additional hours of Government, History, Economics, or Sociology.

Otterbein College

ECONOMICS AND BUSINESS ADMINISTRATION

Mr. Hart, *Acting Chairman;* Mr. Koo, Mr. Lovenstein, Mr. Miles, Mr. Parnes.

A student majoring in the department may elect three different majors. A comprehensive social studies major is offered by the Division of Social Studies. An economics major and a business administration major are offered by this department. The major recommended by the department depends upon the interests and professional plans of the student. Any one of the three majors will prepare the student for a business career. The student will confer with a member of the department before choosing a major.

The requirements for a comprehensive major in social studies are indicated above.

A student choosing Economics as a major will be required to complete the following courses in Economics which total 25 hours: Principles of Economics, 201-202; Money and Banking, 301; Modern Economic Theory, 302; National Economic Policies, 406; Research Methods, 407; Seminar, 403; and six additional hours elected in Economics. In addition, the student must take American Economic Development, 101-102, and Mathematics, 131, both of which are required but neither of which are counted on the major.

A minor in Economics is 15 hours which must include Principles of Economics, 201-202; Money and Banking, 301; and 6 hours elected from 300 or 400 numbered courses in the Program in Economics.

A student majoring in Business Administration will complete the program in Business Administration, totaling 25 hours. In addition, Economics, 101-102; 201-202; 405-406; and Mathematics, 131 are required for a Business Administration major. The requirement for a minor in Business is 15 hours which must include Business Administration 221-222; 321; and 6 additional hours elected from the Program in Business Administration.

Program In Economics

101-102. AMERICAN ECONOMIC DEVELOPMENT *6 hours*
A course designed to acquaint students with the economic and institutional development of modern society. Topics studied include manorialism, the rise of western capitalism, and the commercial and industrial development of the U. S. economy.

Open to all students and required for a Business Administration or Economics major. May be offered by students as part of the social studies requirement.

201-202. PRINCIPLES OF ECONOMICS *6 hours*

A general introduction to the principles of economics. Prerequisite to most other courses in the Department. Departmental majors should take Economics 101-102 before this course. Non-majors should have some background in history or government. The course should be taken in the sophomore year.

301. MONEY AND BANKING *3 hours*

A study of the organization and operation of the U. S. money and banking system. Study of contemporary monetary theories comprises part of this course. Prerequisite: Economics 201-202.

302. MODERN ECONOMIC THEORY *3 hours*

An intermediate course in contemporary micro and macro economic theory. A study of theories of allocation of resources, output and employment theory, and economic growth. Prerequisite: Economics 201-202.

303-304. INTERNATIONAL ECONOMICS *6 hours*

A study of international economic relations and policy. Prerequisite: Economics 201-202.

401. PUBLIC FINANCE *3 hours*

A study of governmental expenditures, taxation, debt management, and fiscal policies. Prerequisite: Economics 201-202.

402. HISTORY OF ECONOMIC THOUGHT *3 hours*

A study of the development of economic thought from ancient times to the present. Prerequisite: Economics 201-202.

403. SENIOR SEMINAR *1 hour*

A combined seminar for both senior economics and business administration majors. The student will present and defend his paper from Economics 407 or Business Administration 420 to the seminar group. In addition, he will participate in the seminar for the whole semester in order to receive credit. Prerequisite: Senior status and Economics 407 or Business Administration 420.

405. AGGREGATE ECONOMIC ANALYSIS *3 hours*

A survey of contemporary theories of aggregate economic relations. The course goes beyond the traditional business cycle course to include some elements treated in the standard money and banking course. Not

open to students who have credit for Economics 302. Prerequisite: Economics, 201-202.

406. NATIONAL ECONOMIC POLICY *3 hours*

A study of domestic economic policies of government. Topics studied include monetary-fiscal policies, farm policy, and government and business policy. Prerequisite: Economics 405 or 302.

407. RESEARCH METHODS IN ECONOMICS *3 hours*

A course designed to acquaint the student with the tools and techniques of economic research. The student will select a significant problem for independent study and will prepare a written report of his investigation. Prerequisites: Senior status, Mathematics 131, and permission of instructor.

Program in Business Administration

221-222. MANAGERIAL ACCOUNTING *6 hours*

The concepts and principles underlying modern accounting practices are the major elements studied in the course. Understanding the accounting techniques for quantitative control of business operations is the aim of the course.

321. PRINCIPLES OF MANAGEMENT *3 hours*

An examination of the fundamentals of administrative organization of group activities.

322. PRINCIPLES OF MARKETING *3 hours*

A survey of modern marketing methods, principles, and problems. Emphasis is placed on relations of the manufacturers, wholesalers, and retailers. Prerequisite: Economics, 201-202.

323-324. LABOR MANAGEMENT RELATIONS *6 hours*

A study designed to point up the nature of labor problems in modern society and alternatives employed in their solution. Prerequisite: Economics 201-202.

325. BUSINESS FINANCE *3 hours*

The financial organization of business activity, source of funds, techniques of financial management are studied. Prerequisite: Business Administration 221-222.

403. SENIOR SEMINAR *1 hour*

Required of all Business Administration majors. See Economics 403.

420. BUSINESS POLICIES AND PROBLEMS *3 hours*

Analysis of typical problems confronting business management is the major feature of the course. Each student will select a case study for independent research. The student will present a written report of his findings to the Departmental Seminar, Economics 403. Prerequisite: Senior status or permission of the instructor.

HISTORY AND GOVERNMENT

Mr. Hancock, *Chairman;* Miss Holtermann, Mr. Kerr, Mr. Laubach.

A major in History consists of twenty-nine hours, which must include 201-202, 203-204, 401-402. The remaining fifteen hours may be chosen from other courses in the department. In addition, Government 201-202 is required.

A major in Government consists of twenty-seven hours of courses in Government, in addition to Economics 201-202. A major in History and Government must include History 201-202, 203-204, Government 201-202, Government 401-402 or History 401-402, six additional hours of government and nine additional hours in either history or government, totaling thirty-five hours. A minor in History consists of eighteen hours chosen from the courses in history. A minor in government consists of eighteen hours chosen from courses in government.

In order to meet high school qualifications for teaching history and government in the state of Ohio, students are required to take twenty-seven hours of history and government, including History 101-102 or 203-204, 201-202, 313, Government 201-202, and nine

additional hours of either field. The department recommends that students who plan to teach should take Economics 201-202 and Sociology 201-202, as well as History 307-308.

All majors are strongly urged to take at least one course in economics. Students who plan to attend graduate school or who are interested in a career in foreign service should take French and/or German. Courses in accounting and English history are especially recommended to pre-law students.

Juniors or seniors who have taken at least three hours of government are eligible to participate in the Washington Semester Plan, if they have a 2.8 average. Details may be obtained from members of the department.

History

101-102. HISTORY OF WESTERN CIVILIZATION *6 hours*
A basic course for all students, tracing the development of western political, economic and cultural institutions.

201-202. AMERICAN HISTORY *6 hours*

A survey of the economic, cultural, political and social history of America.

203-204. MODERN EUROPEAN HISTORY *6 hours*

The political, economic and social movements of western Europe from 1815 to the present.

301-302. ENGLISH HISTORY *6 hours*

A survey of English history to the present day. The course is especially recommended to pre-law students and to majors in English.

303-304. LATIN AMERICAN HISTORY *6 hours*

A survey of Latin American civilization.

305. MODERN AND CONTEMPORARY FAR EAST *3 hours*

A study of the background and development of modern China and Japan.

306. RUSSIA AND EASTERN EUROPE *3 hours*

The history of Russia, past and present, and a study of her relations with the outside world.

307. EUROPE FROM 476 TO 1500 *2 hours*

An examination of the cultural, economic and religious development of medieval Europe.

308. EUROPE FROM 1500 TO 1815 *3 hours*

A course stressing the Reformation, the development of modern national states, modern economic institutions, the French Revolution and the Napoleonic era.

311. AMERICAN DIPLOMATIC HISTORY *3 hours*

A history of American diplomatic relations from the American Revolution to the present, with special emphasis upon the twentieth century.

312. MODERN AMERICAN HISTORY SINCE 1920 *3 hours*

A study of the American political and social scene since 1920. Prerequisite: History 202.

313. THE TEACHING OF HISTORY AND THE SOCIAL STUDIES *2 hours*

A course designed to meet the needs of those expecting to teach history and government in high school.

314. HISTORY OF OHIO *2 hours*

A survey of the history of Ohio as a territory and state.

315-316. ANCIENT HISTORY *6 hours*

A study of the civilizations of the Ancient World with special emphasis upon Greece and Rome.

361-362. STUDIES IN SELECTED TOPICS OF AMERICAN HISTORY *1-6 hours*

Intensive reading in selected topics in American history. Topics to be announced each semester. No student may earn more than six hours of credit. Open only to juniors and seniors with special permission.

391-392. SPECIAL PROBLEMS *1-6 hours*

Students may do research or reading in their special interests. Open to juniors and seniors with special permission.

401-402. HISTORY SEMINAR *2 hours*

Required of students majoring in history.

Government

201. INTRODUCTION TO POLITICAL SCIENCE *3 hours*

An introduction to the methods and concepts involved in a systematic study of politics. Particular emphasis is placed upon presently competing systems of government as these affect human welfare.

202. AMERICAN FEDERAL GOVERNMENT *3 hours*

The constitutional development of the federal government with special emphasis upon the interrelationships of the legislative, executive and judicial branches as well as problems of policy and popular control.

204. STATE AND LOCAL GOVERNMENT *3 hours*

An examination of the relation of the states to the federal government and of the states to each other with a focus upon legislative, executive and judicial functions in the State of Ohio in comparison to practices in other selected states.

302. COMPARATIVE GOVERNMENT *3 hours*

A comparative study with emphasis upon the government of Great Britain, France, Germany, and Russia.

305. ANCIENT AND MEDIEVAL POLITICAL THEORY *2 hours*

An interpretation of the political thought of Plato and Aristotle as it relates to modern political systems and an examination of that medieval political thought which bears upon church-state controversies.

306. MODERN POLITICAL THEORY *2 hours*

A study of the development of political theories from the Discourses of Machiavelli to the present day with emphasis upon the theory of the state and contemporary "isms."

309. INTERNATIONAL RELATIONS *3 hours*

This traces the development of nationalism and methods of diplomacy from antiquity to the 20th century. It concludes with a study of balance of power politics.

310. AMERICAN FOREIGN POLICY PROBLEMS *3 hours*

This course deals with American foreign policy problems which can be geographically or functionally defined. In each year it concentrates on those areas which appear particularly critical.

312. AMERICAN CONSTITUTIONAL LAW *3 hours*

The course deals with the leading decisions of the United States Supreme Court and with the historical settings out of which the litigated questions emerged.

401-402. GOVERNMENT SEMINAR *2 hours*

Required of students majoring in Government.

RELIGION AND PHILOSOPHY

Mr. Ackert, *Chairman;* Mr. Amy, Mr. Ellsworth.

A major in religion and philosophy consists of 30 hours: 15 hours of religion, including Religion 201, 202 and 310; as well as 15 hours of philosophy, including Philosophy 201, 204 and 301.

A major in religion requires 24 hours, including Religion 201, 202, 310 and 311. A minor in religion and philosophy requires 18 hours which must include Religion 201, 202 and 310, and Philosophy 201 and 204. A minor in either religion or philosophy requires 15 hours.

Designed for those who wish to prepare themselves to participate actively in the religious leadership of their church and community, the department offers a minor in Christian Service. It includes Religion 201, 202, 211 and 310, as well as Church Music 103 and 104.

Religion

201. INTRODUCTION TO OLD TESTAMENT LIFE AND LITERATURE *3 hours*

A study of the development of religious and ethical ideas and practices of the Hebrew people through their Scriptures.

202. INTRODUCTION TO NEW TESTAMENT LIFE AND LITERATURE *3 hours*

A study of the literature of the rise and growth of the Christian movement, with special attention to the meaning of the early Christian Church.

211. PRINCIPLES OF CHRISTIAN EDUCATION *3 hours*

A survey of the theory and practice of religious education from the Christian point of view, with some attention to the practice of modern religious education.

301. THE HEBREW PROPHETS *3 hours*

An introduction to the prophetic literature, taking selected writings from the Old Testament. Alternates with course 303.

302. JESUS AND THE GOSPELS *3 hours*

A study of the life and work of Jesus, with particular attention given to the interpretations given in the canonical gospels. Alternates with course 304.

303. OLD TESTAMENT POETRY AND WISDOM LITERATURE *3 hours*

A study of the books of Psalms, Job, and other similar writings in the Old Testament. Alternates with course 301.

304. LIFE AND LETTERS OF ST. PAUL *3 hours*

An examination of the life and letters of the missionary apostle, with special attention to environmental factors within the early Christian Church. Alternates with course 302.

310. BASIC CHRISTIAN BELIEFS *3 hours*

A systematic study of the creedal and doctrinal basis of the Christian religion; particular emphasis on Protestantism.

311. WORLD RELIGIONS *3 hours*

A survey of the major world religions, their origin, their tenets, and their relationship to Christianity. This course is recommended as preparation for Philosophy of Religion. Given in alternate years.

401. THE HISTORY OF THE BIBLE *3 hours*

An introductory study of the documentation of the Bible, the selection of these writings as sacred literature, and the history of our English versions of the Bible.

402. THE PASTORAL AND GENERAL EPISTLES *3 hours*

A study of the non-Pauline literature of the New Testament and its relationship to the early Christian Church.

Philosophy

201. INTRODUCTION TO PHILOSOPHY *3 hours*
A systematic survey of the problems and methods in philosophy and their relation to science, religion, and society.

204. ETHICS *3 hours*

A study of morality and ethical theory in the light of their historical development. Contemporary ethical problems.

301. LOGIC *3 hours*

The fundamentals of classical and modern logic—the basic principles of reasoning. Theory and problems.

303-304. HISTORY OF PHILOSOPHY *6 hours*

Ancient and Modern. A systematic review of philosophy from the time of the pre-Socratics to the present day.

306. PHILOSOPHY OF RELIGION *3 hours*

A study of the meaning of religion and the principal religious concepts, with particular emphasis on those found in the Christian culture. Prerequisite: Philosophy 201. Offered in alternate years.

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401. CONTEMPORARY PHILOSOPHIES *3 hours*

A study of present-day themes and issues, with their proponents, as related to social ideologies. Prerequisite: permission of the instructor. Offered only on sufficient demand.

Changes assumed

SOCIOLOGY AND PSYCHOLOGY

Mr. Lovejoy, *Chairman;* Mr. Combs, Mr. Ruth

A major in sociology shall consist of twenty-four hours including 305 and 308. In addition all majors in sociology are required to take Mathematics 131.

A minor in sociology is fifteen hours. Mathematics 131 is recommended. No more than four hours of Sociology 403-404 can be applied to the major or minor requirement.

Sociology

201. INTRODUCTORY SOCIOLOGY *3 hours*

A study of society and its institutions.

202. SOCIAL PROBLEMS *3 hours*

A study of social and societal problems.

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204. MARRIAGE ~~AND THE FAMILY~~ *3 hours*

A study of the family institution in general and the individual's marital plans in particular. Introductory Sociology and Psychology strongly recommended.

301. RACIAL AND CULTURAL RELATIONS *3 hours*

A study of racial, religious, national, and ethnic groups. Prerequisites: Sociology 201 and 202. Alternates with 311.

302. CRIMINOLOGY *3 hours*

A study of criminality, social control, and penology. Prerequisites: Sociology 201 and 202. Alternates with 306.

303. SOCIOLOGY OF THE COMMUNITY *3 hours*

A study of the American community, rural, urban, and suburban. Prerequisites: Sociology 201 and 202. Alternates with 309.

313-314 Full year

305. SOCIAL THOUGHT *from* *to the present* *3 hours*

A study of areas of social thought ~~before~~ Comte ~~and after~~. Prerequisites: Sociology 201 and 202. ~~Alternates with 307~~.

Family 315

Alternates c Soc 307

306. CULTURAL ANTHROPOLOGY *3 hours*

A study of man as a culture builder, the structure and organization of his society, institutions, groupings, folkways and mores. Prerequisities: Sociology 201 and 202. Alternates with 302.

307. INTRODUCTION TO SOCIAL WORK *3 hours*

A study of the fields of social work, the theory and practice of private and public social agencies. Prerequisites: Sociology 201 and 202 and Psychology 101 and 102. Alternates with Sociology 315

308. SOCIAL RESEARCH METHODS *3 hours*

A study of basic research methods and techniques used in contemporary social research in academic, industrial, and governmental settings. Prerequisites: Sociology 201 and 202.

309. SOCIOLOGY OF RELIGION *3 hours*

A study of the structural and dynamic aspects of religion as it affects human personality, groups, institutions, value systems, and American culture generally. Alternates with Sociology 303. Prerequisites: Sociology 201 and 202.

311. SOCIOLOGY OF WORK *3 hours*

A study of the social interrelationships, statuses, roles, values, and problems involved in work as it affects the individual, group, community, and society. Recommended: Sociology 201 and 202 and/or Economics 201 and 202. Alternates with Sociology 301.

403-404. INDIVIDUAL WORK *1-4 hours*

This encompasses field work at a recognized social work agency or library research in a field not ordinarily offered or empirical research of a community or institutional type. Advanced standing as a sociology major or minor and permission of the instructor are required.

Psychology

A major in psychology shall consist of twenty-four hours which must include Psychology 101, 102, 206, 311, 312 in addition to Mathematics 131.

The department further recommends that psychology majors who intend to do graduate work take at least 8 hours of biology, 8 hours of physics, Mathematics 109-110 and 30 hours of course work in the social sciences of which 15 hours should be in sociology.

A minor in psychology shall consist of at least eighteen hours.

every fall

101. GENERAL PSYCHOLOGY I *3-4 hours*

A general survey to acquaint the student with psychology's subject matter, its methods and procedures, and its major findings. Laboratory work for 1 hour credit for majors and minors is required.

every spring

102. GENERAL PSYCHOLOGY II *3-4 hours*

A continuation of Psychology 101. Attention will be given to the cognitive and perceptual aspects of man's functioning and to the neurological foundations of his behavior. Laboratory work for 1 hour credit for majors and minors is required.

204. LEADERSHIP PSYCHOLOGY *1 hour*

A study of the psychological and sociological aspects of group leadership with practical application to specific campus situations. Offered at the Sophomore level to those selected to be junior counselors.

every fall

205. DEVELOPMENTAL PSYCHOLOGY *3 hours*

The history of the individual is traced from conception to death. An emphasis is given to the significance of physiological and sociological conditions as they influence the evolution of the self. Prerequisites: Psychology 101, 102.

every spring

206. SYSTEMATIC PSYCHOLOGY *3 hours*

An examination and critical evaluation of the major theoretical systems in modern psychology. Prerequisites: Psychology 101, 102.

every fall

207. PSYCHOLOGY OF PERSONALITY *3 hours*

Personality will be studied from a genetic standpoint with a view to discerning the basic psychological principles and conditions underlying personality development and change. Prerequisites: Psychology 101, 102.

every spring

302. ABNORMAL PSYCHOLOGY *3 hours*

A study of the behavior disorders, their causes and treatments. Prerequisites: Psychology 101, 102.

every fall

305. SOCIAL PSYCHOLOGY *3 hours*

A study of the interpersonal relations of man and how these are affected by society's norms and values. Prerequisites: Psychology 101, 102.

every spring

306. INDUSTRIAL PSYCHOLOGY *3 hours*

Major problems inherent in industrial organization are studied with a view to learning what contributions psychology as a science can make to their understanding and eventual solution. Prerequisites: Psychology 101, 102.

311. PSYCHOLOGY OF PERCEPTION *3 hours*

'63-'64

The sensory processes will be studied with a view to understanding their structural properties and their role in the psychological functioning of man. Prerequisites: Psychology 101, 102. alt = 335

312. EXPERIMENTAL PSYCHOLOGY *3 hours*

'63-'64

A continuation of Psychology 311. Questions of special interest, growing out of Psychology 311, will serve as the basis for experimental study and verification. Prerequisites: Psychology 311 and a course in Statistics. alt = 336

335. INTRODUCTION TO PSYCHOLOGICAL TESTING *3 hours*

'64-'65

Consideration will be given to the better known psychometric instruments, the theory underlying their construction and use, how they are administered, and how the results are scored, interpreted and evaluated. Prerequisites: Psychology 101, 102 and a course in Statistics.

336. INTRODUCTION TO COUNSELING AND GUIDANCE *3 hours*

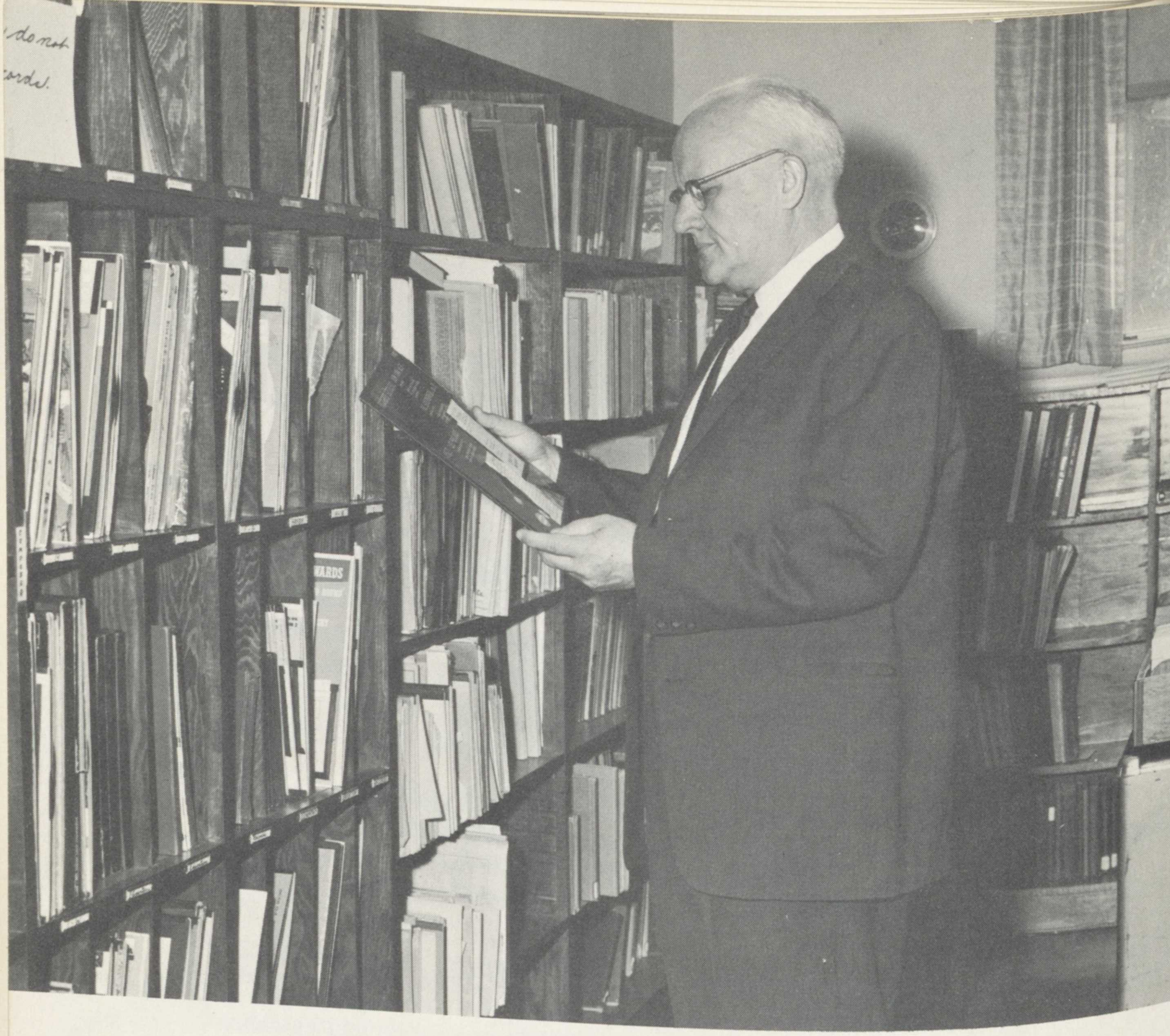
'64-'65

The better known methods and techniques in counseling and guidance will be studied. Prerequisite: Psychology 335.

401 or 402. PSYCHOLOGY SEMINAR *1-3 hours*

upon demand

At least one class meeting a week. The course will consist of doing advanced research and experimentation in the field of psychology. Seminar subjects will be determined on the basis of student needs and/or interests. Prerequisites: Psychology 101, 102 and permission of instructor.



THE DIVISION OF FINE ARTS

MR. SHACKSON, *Chairman*

Departments: Visual Arts and Music

VISUAL ARTS

Mrs. Lillian Frank, *Chairman;* Mr. Germanson; Mr. Hassenpflug

The courses in the Department of Visual Arts are open to all students in the college. Some of the courses are arranged so as to give the student who does not possess artistic ability a greater understanding and appreciation of the great works of art of all ages.

Other courses are to aid the talented student to become more efficient in the various techniques of self-expression and to prepare him for an art or a teaching career.

For one semester hour of credit there is required one three-hour

laboratory period or a one-hour class with a fee of $3.00 a semester hour for materials unless otherwise stated.

The department has the privilege of holding any completed work for one year for exhibition purposes.

A major consists of not less than thirty-two semester hours of art which shall include six hours of design (Art 121, 224 and 235), four hours of drawing, three hours of painting, three hours of sculpture, two hours of ceramics, six hours of art history (Art 301 and 302), Humanities 201-202 three hours of which can be counted as art and an additional five hours to be elected from the area of drawing and painting or from the area of ceramics and sculpture. To insure breadth of background in the related arts the department recommends six hours of literature and courses in theatre, music and dance to be chosen in consultation with the adviser.

A minor consists of eighteen hours to be chosen in consultation with the teachers in the art department and the student's adviser. Three hours of Humanities 201-202 may be counted toward the minor.

To meet the requirements of the State of Ohio for the High School teaching certificate with a teaching field in Art, the student must fulfill the requirements of the Department of Education and complete 24 semester hours of art, consisting of six hours of drawing and painting, three hours of sculpture, six hours of crafts, four hours of methods and observation, three hours of history of art and six hours of design, including lettering.

A student interested in preparing to meet the requirements of the State of Ohio for the special certificate which entitles him to teach art in the grades, one through twelve, may with careful planning complete the fifty hours of art required.

101. Basic Art *2 hours*

Introduction to art through experience in drawing, painting, sculpture and art theory. Required for students majoring in elementary education; not open to art majors.

111. Basic Drawing *2 hours*

Introduction to various drawing media with continual emphasis upon composition. Drawing from memory and imagination to develop perception. Outdoor sketching in fall. Offered in alternate years.

211-212. Figure Drawing *4 hours*

The study of structure and form of the human figure. Rapid sketch from the model with emphasis upon gesture. Offered in alternate years.

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121. BASIC DESIGN *2 hours*

Problems in the arrangement of line, shape, space, texture, value and color with special emphasis on the nature of color. Required for students majoring in Home Economics and recommended for students majoring in Speech.

224. DESIGN AND COMPOSITION *2 hours*

A continuation of the study of 2-dimensional design with emphasis on composing in black and white and in color. Introduces woodcut and other relief printing media. Prerequisite: 121. Offered in alternate years.

226. LETTERING AND LAYOUT *2 hours*

Learning to use standard alphabets and to create new ones. Understanding basic principles of design as applied to alphabets and layout. Skill in using pen and brush. Offered on sufficient request.

233. BASIC CERAMICS *2 or 3 hours*

Introduction to the use of clay as an art medium. Development of skill in hand-building, glazing and in firing a kiln. Offered in alternate years.

333. ADVANCED CERAMICS *2 or 3 hours*

Continuation of hand-building, glazing and firing. Experience in using the potter's wheel. Prerequisites: 121 and 233. Offered together with 233.

235. DESIGN IN MATERIALS *2 or 3 hours*

Problems in 3-dimensional design. Exploration of creative design possibilities of various materials; wood, metal, plaster, etc. Prerequisite: 121 or the permission of the instructor. Offered in alternate years.

241. WATERCOLOR PAINTING *2 hours*

Exploration of watercolor media and experimentation with color relationships in picture composition. Prerequisite: some courses in drawing and design or the permission of the instructor. Offered in alternate years. Course fee $9.00.

341. ADVANCED WATERCOLOR PAINTING *2 hours*

Offered together with 241 which is a prerequisite. Course fee $9.00.

251-252. OIL PAINTING *6 hours*

Artistic problem solving in oil medium. Individualized instruction. Slide study. Research into writings on art theory. Prerequisite: some courses in drawing and design or permission of the instructor. Offered in alternate years. Course fee $15.00 per semester.

351. ADVANCED OIL PAINTING *2 hours*

Offered together with 251 or 252 which are prerequisites. Course fee $15.00.

261. SCULPTURE *3 hours*

Modeling of the figure, animals and the abstract with emphasis upon three dimensional design. Study of contemporary sculpture and that of certain periods of history. Creative expression in the plastic media. Prerequisite: some courses in drawing and design or the permission of the instructor. Offered in alternate years.

361. ADVANCED SCULPTURE *3 hours*

Offered together with 261 which is a prerequisite.

281. METHODS IN ELEMENTARY ART EDUCATION *3 hours*

The study of the characteristics of child art and the significance of the child's art expression to his development as a creative individual. Experience in arts and crafts related to their use in the elementary school art program. Two 2 hour periods per week with additional outside work. Course fee $6.00.

383. METHODS IN SECONDARY ART EDUCATION *3 hours*

A methods course for those art students who are preparing to teach in the secondary school. Weekly class and laboratory periods. Given upon request. Course fee $3.00.

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391. SPECIAL PROBLEMS IN ART *1-5 hours*

Research projects in art history, appreciation, or creative work for qualified students. Permission of the instructor. May be repeated not to exceed 5 hours. Laboratory fee to be adjusted.

301. HISTORY OF ARCHITECTURE *3 hours*

A study of the appreciation of architecture and its chronological development in Western civilization. Three classes each week. Course fee $2.00. Offered in alternate years. A background in one of the arts or in history, or the course, Exploring the Arts, is recommended.

302. HISTORY OF PAINTING AND SCULPTURE *3 hours*

A general survey of painting and sculpture from paleolithic times to the present. Three classes each week. Course fee $2.00. Offered in alternate years. A background in one of the arts or in history, or the course, Exploring the Arts, is recommended.

Humanities

201-202. EXPLORING THE ARTS *6 hours*

Introduction to the basic principles and interrelation of the creative arts with emphasis on music and the visual arts. Students are familiarized with aesthetic concepts through direct experience and study of important works of art, and with techniques through experimentation in exploratory periods. Recommended for students not majoring in these fields; acceptable with approval of the adviser as meeting the graduation requirements in literature or Humanities. Three class periods and one exploratory period each week. Not open to freshmen. Course fee for materials, $2.50 a semester. (See also English 203-204).

MUSIC

Mr. Shackson, *Chairman;* Mr. Bradley, Mr. Chamberlain, Mr. Lawrence Frank, Mr. Paul Frank, Mrs. Gerhardt, Mr. Glenn, Mrs. Johnston, Miss Myers, Mr. Westrich (on leave, 1963-64)

Otterbein is a member of the National Association of Schools of Music and the requirements for entrance and graduation as set forth in this catalog are in accordance with the published regulations of that association. The department offers courses leading to the degrees of Bachelor of Music, Bachelor of Music Education, and Bachelor of Arts with a major in music. The department also offers opportunities for all students in the college to come in contact with music as an elective

study or through participation in music organizations. Students not wishing to enter any of the programs leading to a degree are not required to follow prescribed entrance requirements or course outlines, and may take lessons in applied music upon consultation with the chairman of the department.

Faculty and student recitals held in Hall Memorial Auditorium are open to the public.

Musical Organizations

The Men's and Women's Glee Clubs, made up of from 50 to 70 carefully selected voices each. The Men's Glee Club was organized in 1909 and the Women's Glee Club in 1917. In addition to local appearances, the clubs have concertized in the midwestern, eastern and southern states.

The A Cappella Choir is composed of fifty voices chosen by tryout from all departments of the college. While singing largely unaccompanied music, the choir program calls for the performance of at least one standard oratorio or cantata each year. Extensive concertizing is planned each year.

The Brass Choir is formed for the purpose of exploring the literature for such groups and for the purpose of providing necessary training and recital experience. The ensemble makes frequent appearances in neighboring towns in addition to a short tour. Admission by tryout to all students.

The College-Community Orchestra is open to students by tryout. The orchestra cooperates in the annual presentations of major works for chorus and orchestra and in the musical-dramatic productions, in addition to performing standard orchestral literature.

The College Band is formed each fall as a marching organization for football games, but is continued as a concert unit for the balance of the year. There are several concerts each season, including out-of-town performances. Admission by consulting the director.

Requirements for Degree Courses

Bachelor of Music

The course of study with concentration in applied Music demands considerable talent in a particular medium of performance, general musicianship, and a capacity for intelligent practice. The goal toward which the student must work during all four years is the ultimate mastery of performance. The candidate for this degree must demon-

strate adequate techniques to produce an artistic performance. He should give evidence of thorough preparation in the theory and literature of music.

All degree candidates in music must pass an examination each semester in their major and minor applied fields before a faculty jury.

After satisfactory appearances on student recitals during all four years, the Bachelor of Music candidate must give a full recital in his major applied subject during his last year.

The required number of semester hours, one hundred twenty-four, must include at least ninety in music subjects. A maximum of thirty-six hours may be in academic subjects.

Students are required to take a minimum of sixty minutes of individual instruction per week in the major subjects in applied music throughout each year of residence. One semester hour credit shall be given for each three hours per week of practice, plus the necessary individual instruction, but no more than six hours credit will be allowed for the major subject during one semester.

At least twenty-four semester hours of the last thirty hours required for a degree shall be earned in residence.

Bachelor of Music, Pianoforte Major

Entrance requirements and standards expected for successful completion of the four-year course of study:

Note—It is understood that the following requirements are not to be construed in any way as outlines or courses of study, but merely indicate the comparative degrees of advancement to be attained at the various stages of the courses.

Piano Requirements

A. Requirements for Entrance

To enter the four-year degree course in piano, the student should be grounded in reliable technique. He should play all major and minor scales correctly in moderately rapid tempo, also broken chords in octave position in all keys and should have acquired systematic methods of practice.

He should have studied some of the standard etudes, such as Czerny, Op. 299, Book 1; Heller, Op. 47 and 46 (according to the individual needs of the pupil); Bach, Little Preludes; a few Bach two-part Inventions and compositions corresponding in difficulty to—

Haydn, Sonata No. 11, G major No. 20 (Schirmer).

Mozart, Sonata C Major No. 3, F major No. 13 (Schirmer).

Beethoven, Variations on Nel cor Piu, Sonatas Op. 49, No. 1, Op. 14, Nos. 1 and 2.

Schubert, Impromptu Op. 142, No. 2, etc.

B. End of Second Year

At the end of the second year the student should have acquired a technique sufficient to play scales and arpeggios in rapid tempo, to play scales in parallel and contrary motion, in thirds and sixths and in various rhythms. He should have acquired some octave technique and should have studied compositions of at least the following grades of difficulty:

Bach, easier preludes and fugues from Well Tempered Clavichord.

Bach, French Suites and Partitas.

Beethoven, sonatas such as Op. 2, No. 1; Op. 26; Op. 31, No. 1.

Compositions by various romantic and modern composers.

The student should demonstrate his ability to read at sight accompaniments and compositions of moderate difficulty.

C. End of Fourth Year

The candidate must have acquired the principles of tone production and velocity and their application to scales, arpeggios, chords, octaves and double notes. He must have a repertory comprising the principal classic, romantic, and modern compositions which should include such works as:

Bach, English Suites, toccatas, Well Tempered Clavichord.

Italian Concerto.

Beethoven, sonatas Op. 31, Nos. 2 & 3 and later except Op. 49.

Compositions by Brahms, Chopin, Schumann and modern composers.

Concerti by Mozart, Beethoven.

Candidates must have had considerable experience in ensemble and should be capable sight readers.

Otterbein College

Bachelor of Music, Vocal Major

Entrance requirements and standards expected for successful completion of the four-year course of study:

Voice Requirements

A. Entrance Requirements

To enter the four-year degree course in voice the student should be able to sing on pitch with correct phrasing and musical intelligence standard songs in good English (the simpler classics are recommended). He should also demonstrate his ability to read a simple song at sight and have a knowledge of the rudiments of music.

B. End of Second Year

At the end of the second year the student should have acquired a knowledge of breath control, tone quality, principles of enunciation, and pronunciation as applied to singing. He should demonstrate his ability to sing major, minor, and chromatic scales, arpeggios, exercises for agility, for sustaining tone, and the classic vocal embellishments. He should demonstrate a knowledge of early Italian classics, and the ability to sing one or more of the less exacting arias of opera and oratorio. He should also have acquired use of one language in addition to English.

C. End of Fourth Year

The candidate for graduation should demonstrate the ability to sing in three foreign languages, a knowledge of recitative in both the free and measured forms, knowledge of the general song literature and the ability to give a creditable recital.

The repertory for immediate use should consist of at least four operatic arias, four oratorio arias, twenty classic, and twenty standard modern songs.

The candidate should have completed two years of ensemble singing; he must also have completed sufficient piano study to enable him to play accompaniments of average difficulty.

Bachelor of Music, Violin Major

Entrance requirements and standards expected for successful completion of the four-year course of study:

Violin Requirements

A. Entrance Requirements

To enter the four-year degree course in violin the student should have an elementary knowledge of the pianoforte.

He should have the ability to perform etudes of the difficulty of the Kreutzer Etudes, Nos. 1 to 32, and works of the difficulty of the

Viotti Concerto, No. 23, the de Beriot concerti, Nos. 7 and 9, the Tartini G minor sonata, and the easier Handel sonatas.

B. End of the Second Year

At the end of the second year the student should have acquired the ability to perform works of the difficulty of the Viotti Concerto No. 22, the Spohr Concerto No. 2 and the easier Bach sonatas for violin and piano.

The student should also give evidence of his ability to read at sight compositions of moderate difficulty, should demonstrate sufficient ability in ensemble to take part in the performance of easier string quartets and symphonic works. He should have acquired sufficient pianistic ability to play simple accompaniments.

C. End of Fourth Year

The candidate for graduation should show an adequate technical grounding in scales, arpeggios, bowing and phrasing, and the ability to perform works of the difficulty of the Mendelssohn E minor concerto, the Bruch G minor or Spohr No. 8.

During the four-year course the student should have had not less than two years practical orchestral experience and two years of ensemble. He should have studied the viola sufficiently to enable him to play viola in ensembles.

He should further demonstrate adequate ability in sight-reading and should be able to sight-read simple piano accompaniments.

Bachelor of Music, Organ Major

Entrance requirements and standards expected for successful completion of the four-year course of study:

Organ Requirements

A. Requirements for Entrance

To enter the four-year degree course in organ the student should have completed sufficient piano study to enable him to play some Bach inventions, Mozart sonatas, easier Beethoven sonatas, compositions by Mendelssohn, Grieg, Schubert, Schumann, etc.

B. End of Second Year

At the end of the second year the student should have acquired the ability to play the following compositions or others of similar grade.

Bach (Schirmer Edition) Vol. I, No. 12, Prelude.
Vol. II, No. 17, Fugue in G minor.
(Ditson Edition) Selections from the Liturgical Year Organ Chorals.
Mendelssohn, Sonatas Nos. II, IV, V.
Guilmant, Sonata No. IV.
Hollins, Overtures C major—C minor.

Compositions for the modern organ by standard American and foreign composers.

He should also demonstrate ability in sight reading, in the accompaniment of the classic oratorios and masses, and in general service playing, including playing in the C clefs.

C. End of Fourth Year

The candidate for graduation should have acquired ability in transposition at sight, open score reading and improvisation. He should have a large repertory of organ literature of all schools, classic and modern, of the degree of difficulty indicated by the following:

Bach
(Schirmer Edition) Vol. IV, No. 4, Fantasia and Fugue, G minor.
Vol. IV, No. 7, Prelude and Fugue, B minor.
Vol. II, No. 12, Prelude and Fugue, D major.
Book V, Sonatas.
Franck, Chorales, Piece Heroique.
Widor, Symphonies Nos. V to X.
Guilmant, Sonata D minor, No. 1.
Vierne, Symphonies Nos. I to V.
Compositions for modern organ of same grade of difficulty by standard American and foreign composers, such as Sowerby, Roger, Karg-Elert, Tournemire, Dupre, Liszt.

Violoncello Requirements

A. Entrance Requirements

To enter the four-year degree course in 'cello, the student should be able to play all major and minor scales in three octaves and an étude by Duport or Merk. He should also he able to play one slow and one fast movement of a classical sonata, such as the one by Corelli in D Minor and a fast movement of the same difficulty as the first movement of the Concerto in B Minor by Goltermann.

B. End of Second Year

At the end of the second year, the student should have acquired adequate technique to play all major and minor scales and arpeggios in four octaves at a rapid tempo as well as scales in octaves, thirds and sixths in two octaves.

The student should have studied compositions of the same difficulty as the St. Saens Concerto, easier movements from the Bach Suites for Cello alone and the Sonata in G Major by Sammartini.

Knowledge of the ensemble literature including the easier trios and quartets by Beethoven, Brahms, Haydn, and Mozart should be attained by the end of the second year. The student must have acquired the

ability to read ensemble and orchestra parts of moderate difficulty at sight, and to play simple piano accompaniments.

C. End of Fourth Year

The candidate for graduation must be able to play all major and minor scales and arpeggios in four octaves at a rapid tempo with various bowings. He must be able to play at a moderate tempo, scales in octaves, thirds and sixths in three octaves.

The student should have in his repertory, two of the Beethoven, one of the Brahms sonatas for cello and piano, an American composition in large form, a concerto of the same difficulty as the Lalo concerto and a number of pieces such as: "At the Fountain" by Davidoff and the "Spinning Song" by Popper.

The candidate's playing knowledge of the ensemble literature will include the classics and the moderns. He must not only be able to play a program very well by memory, but he must also be able to demonstrate that he has enough ensemble and orchestral experience to put him in the professional class. He should be able to sight-read simple piano accompaniments.

Clarinet Requirements

A. Entrance Requirements

To enter the four-year degree course in clarinet the student should have an elementary knowledge of the pianoforte.

He should have acquired the fundamentals of good tone production, breath control and hand position; an elementary knowledge of major and minor scales and arpeggios; and the ability to perform material such as is contained in the Langenus Clarinet Method, Part I. He should have studied one or more solo numbers of good musical quality not too difficult for him to play well.

B. End of Second Year

At the end of the second year of the course the student should have acquired a thorough knowledge of all the major and minor scales and arpeggios; have studied the études of Rose and the earlier books of Jean-Jean; have acquired the ability to perform well works of the difficulty of the Spohr Concerto No. 1, the Weber Concerto No. 1 and Grand Duo Concertante and the Saint-Saens Sonata.

The student should also give evidence of his ability to read at sight compositions of moderate difficulty, and should demonstrate sufficient ability to take part in the performance of easier ensemble numbers and hold the second clarinet chair in symphonic works. He should have acquired sufficient pianistic ability to play simple accompaniments.

C. End of Fourth Year

The candidate for graduation should show adequate technique and

musicianship for the competent performance of such works as the Mozart Concerto, the Debussy Rhapsodie and the Weber Concerto No. 2; also a knowledge of such sonatas for clarinet and piano as those by Brahms, Reger, Mason, Sowerby, Bernstein, and Tuthill.

During the four-year course the student should have at least two full years of practical orchestral experience, two years of band and two years of ensemble. He should be competent to hold the first clarinet chair in symphonic works.

He should further demonstrate adequate ability in sight reading. He should be able to sight-read simple piano accompaniments and be able to transpose fluently on the Bb clarinet parts written for C and A clarinets.

Trumpet Requirements

A. Entrance Requirements

To enter the four-year degree course in trumpet the student should have an elementary knowledge of the pianoforte.

He should have acquired the fundamentals of good tone production and breath control; an elementary knowledge of all major and minor scales and arpeggios; and the ability to perform material such as is contained in the Williams method, Part II or Lillya, Book II or the like. He should have studied one or more solo numbers of good musical quality such as Balay, Petite Piece Concertante or Fitzgerald, Modern Suite.

B. End of Second Year

At the end of the second year of the course the student should have acquired a thorough knowledge of all major and minor scales and arpeggios; have studied such études as may be found in the Arban Method, Gatti, Part II or Petit, *15 Technical Etudes,* as written and also transposed as for C and A trumpets; have acquired the ability to perform well works of the difficulty of Balay, *Piece de Concours* and Ropartz, *Andante and Allegro.*

The student should also give evidence of his ability to read at sight compositions of moderate difficulty, and should demonstrate sufficient ability to hold second chair in the performance of works for orchestra and band. He should have acquired sufficient pianistic ability to play simple accompaniments.

C. End of Fourth Year

The candidate for graduation should show adequate technique and musicianship for the competent performance of such works as the Haydn and Giannini concertos, the Fitzgerald Concerto in A flat and the Vidal Concertino and the sonatas of Hindemith and Sowerby.

During the four-year course the student should have had four full years of orchestral and band experience and be able to transpose and play readily parts written for trumpets in all keys. He should be competent to hold first chair in orchestra and band, and be able to read at sight with facility. He should also be able to read simple piano accompaniments at sight.

Bachelor of Music, Church Music Major

The aim of this course is to develop in the student good musicianship; a discriminating taste with regard to music, particularly sacred music; a good concept of the function of music in worship services, not limited to a certain denomination; and a broad enough general education to strengthen his qualities of leadership. Graduates should be able to meet the ever growing demand for efficient Ministers of Music who will provide church music of a high quality. Candidates for this degree should major in voice or organ; in exceptional cases conducting can be accepted as the major field. Public performance is stressed, although not as the only goal. Candidates are expected to give in their Senior year half a recital program as singers, organists, or conductors.

In applied work, one hour credit is granted for one half hour private lesson per week and one hour daily practice.

Otterbein College

Distribution of requirements for the Bachelor of Music degree.

	Piano	Organ	Voice	Instrumental	Church Music
Major applied subject	32	32	30	32	24
Applied minor	8				
Piano minor		8	8	8	
Applied elective	8	8	8	8	12
Theory 111-12, 211-12, 313	15	15	15	15	15
Counterpoint 311-12	6	6	6	6	6
Form. & Anal. 351-52	4	4	4	4	4
Conducting 204		2	2	2	2
Conducting 406					3
Music History 202, 301-302	8	8	8	8	8
Piano techniques 391	2				
Ensemble	4			6	
Vocal ensemble		2	6		4
Recital	2	2	2	2	
Church Music 103-104		3			6
Bible	6	6	6	6	6
English 101-102	6	6	6	6	6
Physical Ed. 101-2	4	4	4	4	4
Special Problems Music 393-4					2-4
Church Music Repertoire 303					3
Foreign Language			22		
Academic electives	20	20		20	20
	125	126	127	127	125-127

The Church Music major must attain junior standing in his major applied field as defined for applied majors.
It is recommended that majors in Church Music include courses in the History and Literature of Religion in their academic electives.

Bachelor of Music Education Degree

The course of study leading to the degree of Bachelor of Music Education is so planned as to prepare students to teach vocal and instrumental music in the public schools on both the elementary and secondary level. All students must achieve the minimum attainments in vocal and instrumental performance, with opportunity to specialize in voice, piano, or other instruments beyond those minimum attainments. Since many who go out to teach are expected to handle both

vocal and instrumental work, all who receive the degree must show reasonable proficiency in both fields, with solo performing ability in at least one field.

To receive this degree, the candidate must have completed the work listed in the suggested course of study. He must play or sing creditably in the regular recitals of the department and must participate in one or more of the campus musical organizations, throughout his college course. The requirements for this degree meet the standards of the National Association of the Schools of Music.

The State Department of Education of Ohio awards the State Provisional Certificate for teaching in the public schools to all who graduate with the degree of Bachelor of Music Education.

The candidate for graduation with the degree of Bachelor of Music Education must have completed the requirements prescribed for the end of the second year of the Bachelor of Music course in his major applied field, listed elsewhere in this bulletin.

Candidates must have a sufficient knowledge of the piano to enable them to serve themselves and their communities. All candidates for this degree must pass an examination in functional piano prior to doing student teaching, and are required to take four semester hours of private vocal instruction. (Two semesters may be waived by examination.)

Graduates of this curriculum must satisfactorily complete Music 125-126, 189-190, and 193-194 as a minimum requirement in instrumental music.

Outline of Course in Music Education

Lower Division (FRESHMAN AND SOPHOMORE YEARS)

Applied Music	12 hours
Theory 111-112, 211-212	12
Instrumental Classes 193-194, 125-126	5
Physical Education 101-102, 201-202	4
Psychology 101	3
Education 101 or 102	3
English 101-102	6
Bible	6
Conducting 204	2
Introduction to Music History 202	2
Speech	3
Ensemble	4
Academic Electives	6
	68 hours

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Upper Division (JUNIOR AND SENIOR YEARS)

Applied Music	12 hours
Theory 313	3
Advanced Conducting 404 or 406	3
Instrumental Classes 189-190	2
Musical History and Literature 301-302	6
Orchestration 462	3
Music Methods 327, 372, 481	9
Education 202, 203, 425-426, 431	16
Ensemble	2
Academic Electives	12
	68 hours

The academic electives should be distributed so that a minimum of 6 hours is taken in each of these fields: Language and/or Literature, Science and/or Mathematics, Social Studies.

At the end of the Sophomore and Junior years every candidate for the degree of Bachelor of Music and Bachelor of Music Education is required to pass a performance test in his major applied field before a committee of examiners of the Music Department. On the basis of their successful performance in these tests, students will be classified as Juniors and Seniors, respectively, in their applied fields.

Bachelor of Arts, Music Major or Minor

A. Musical Theory as Major Subject
   1. A minimum of 15 hours of Theoretical subjects.
   2. A minimum of 8 hours of History of Music.
   3. A minimum of 10 hours in elective subjects, chosen in the field of concentration or in some related field.
   4. A minimum of 8 hours in applied music. The candidate must have completed the requirements in his chosen field of applied music, normally reached at the end of the first year of work by students of the course leading to the Bachelor of Music Degree.

B. Applied Music as Major Subject
   1. A minimum of 15 hours in Theoretical subjects.
   2. A minimum of 5 hours in History of Music.
   3. A minimum of 16 hours of Applied Music. The candidate for graduation must have completed the requirements in his chosen field of applied music laid down for the end of the second year of the course leading to the Bachelor of Music degree in his chosen field as outlined elsewhere in this bulletin.

(When some instrument other than piano is chosen as the ap-

plied field the candidate must demonstrate sufficient pianistic ability to enable him to meet the practical requirements of the courses pursued.)

4. A minimum of 4 hours in Form and Analysis.
5. The minimum requirements of the Bachelor of Arts curriculum must be met, in making up the balance of academic hours to complete the one hundred twenty-four required for graduation.
6. Public performance in the applied subject is stressed in section B.
7. One hour credit for one-half hour private lesson, plus one hour daily practice is granted in applied work.

C. Applied Music as a Minor Subject

1. A total of 16 hours constitutes a minor.
2. A minimum of 8 hours shall be selected from Music 111-112, 202 or 204.
3. Ensemble credit may not be counted in the 16 hours.

Courses of Instruction

History and Literature of Music

103-104. Church Music *6 hours*

The function of music in worship; hymnology. Administration of a music program. This course is designed for all who expect to be associated with church work.

202. Introduction to Music History *2 hours*

An introductory study of music and composers since Bach and Handel, to prepare students for the systematic study of music history. Class meets three times a week. Course fee $2.00. Offered in alternate years.

301-302. Music History and Literature *6 hours*

A survey course of history of music. Emphasis on directly experiencing music through listening, singing and analysis of representative works from each period. Prerequisite: Music 202 or permission of instructor. Course fee $3.00 a semester. Offered in alternate years.

303. Church Music Repertoire *3 hours*

A study of church choir materials and their interpretation and use. Sacred solo repertoire. Three lectures per week. Offered in alternate years. Prerequisite: Church Music 103-104.

Theoretical Music

Comprehensive work in theoretical music is best attained by taking courses 111-112, 211-212, 313, 311-312, 351-352 in consecutive years.

111-112. THEORY I *6 hours*

A course designed to introduce the student to basic musical concepts and give him a basic vocabulary. Fundamentals of music, ear training, keyboard practice, and beginning harmony are integrated. Class meets four times a week, three hours credit.

151-152. EAR TRAINING *No Credit*

For music majors who need additional practice in melodic dictation and sight singing.

211-212. THEORY II *6 hours*

The continuation of the work done in the course 111-112 with emphasis on advanced harmony. Harmonic analysis of master works, harmonization of figured and unfigured basses and melodies.

311-312. COUNTERPOINT *6 hours*

The art of combining melodies as exemplified in the works of the sixteenth century masters. Music 211 and 212 are prerequisite to this subject. Offered on sufficient demand.

313. THEORY III *3 hours*

The application of the previously learned theoretical knowledge to the study of the principles of 18th and 19th century counterpoint, advanced harmonic analysis, and individual creative work; integrated with advanced ear training and keyboard practice.

351-352. FORM AND ANALYSIS *4 hours*

Study of musical structure, from the phrase to the higher forms through the analysis of examples from music literature. Offered on sufficient demand.

393-394. SPECIAL PROBLEMS IN THEORY, HISTORY AND LITERATURE OF MUSIC *1-4 hours*

Advanced study in counterpoint, form and analysis, music history and literature. Open by special permission to third- or fourth-year music students.

401-402. COMPOSITION *4 hours*

Analysis of Canon and Fugue and advanced forms of the polyphonic style. Free original composition of vocal and instrumental short forms. 351-352 are prerequisite to this subject. Offered on sufficient demand.

462. ORCHESTRATION *3 hours*

Practice in arranging music for string orchestra and small combinations. Arranging for wind instruments in combination and for full orchestra and band. Study of ranges and transposition.

Methods

108. FUNDAMENTALS OF MUSIC *2 hours*

Fundamentals of music, with emphasis on their use as tools in elementary music teaching. Practical keyboard will be included.

204. CONDUCTING *2 hours*

Practice in the use of the baton. Observation and study of rehearsal techniques. Problems of the conductor of public school music groups. Practice in score reading. Offered in alternate years.

208. MUSIC METHODS FOR ELEMENTARY TEACHERS *2 hours*

Materials and methods for elementary grades. Emphasis upon the relationship of music with other areas in the elementary school. For elementary education majors only. Prerequisite: 108.

327. MUSIC EDUCATION I *3 hours*

The child voice. Philosophy of music education. Materials and methods for elementary grades. For majors in Music Education.

372. MUSIC EDUCATION II *3 hours*

The adolescent voice; voice class methods; problems, materials and methods in junior and senior high school vocal music.

391. TECHNIQUES IN PIANO TEACHING *2 hours*

A course designed for the piano major; open to others with permission of instructor.

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404. ADVANCED INSTRUMENTAL CONDUCTING *3 hours*

Advanced baton technique. The reading and analysis of full scores with practical application by use of the concert band, orchestra and various ensembles. Prerequisites for this course: Music 126, 190, 194, 204. Offered in alternate years.

406. ADVANCED CHORAL CONDUCTING *3 hours*

Review of elementary beat patterns. Study of choral organization and rehearsal techniques. Consideration given to voice classification, tone quality, breath control. Prerequisites for this course: Music 111-112, 211-212, 204. Offered in alternate years.

481. MUSIC EDUCATION III 3 hours

Organization of school bands, orchestras, instrumental classes. Advanced conducting, materials, and rehearsal procedures.

Classes in Applied Music

100. PREPARATORY INSTRUCTION *No Credit*

Preparatory individual instruction in applied music for any student who is not qualified to pass the entrance requirements in voice or any of the instrumental fields.

121-122. VOICE CLASS *2 hours*

For beginners. Fundamentals of production, diction and interpretation of easy song materials. Offered on demand.

125-126. STRING CLASS *2 hours*

For beginners. Fundamentals of string technique. Experience with materials and methods of string class instruction. Required for the Degree of Bachelor of Music Education.

189-190. WOODWIND CLASS *2 hours*

For beginners. Fundamentals of woodwind technique. Experience with materials and methods of woodwind class instruction. Required for the Degree of Bachelor of Music Education.

193-194. BRASS AND PERCUSSION CLASS *3 hours*

For beginners. Fundamentals of brass and percussion technique. Experience with materials and methods of brass and percussion class instruction. Required for the Degree of Bachelor of Music Education.

Tuition for Applied Music and Ensemble

The tuition charge for private lessons in piano, voice, organ,

string, woodwind, or brass instruments is $40.00 a semester for one half-hour lesson a week and $65.00 for two half-hour lessons a week.

Special rate for private lessons for students in the public schools, $35 a semester for one half-hour lesson a week.

Glee Clubs, Bands, Brass Choir, Orchestra, and A Cappella Choir will be charged at the rate of $3.00 for each credit hour.

Rental of Organ per Semester

One hour per day	$25.00

Rental of Piano per Semester

One hour per day	$6.00

Private Lessons

Piano—L. Frank	701-702
Piano—P. Frank	705-706
Piano—Myers	711-712
Organ—L. Frank	713-714
Voice—Chamberlain	717-718
Voice—Shackson	721-722
Violin—Johnston	725-726
Cello—Gerhardt	737-738
Woodwind—Bradley	789-790
Brass—Glenn	793-794

Ensemble

Glee Clubs	119-120—2 hours
Vocal Ensemble	119v-120v—2 hours
A Cappella Choir	119AC-120AC—2 hours
Orchestra	127-128—2 hours
Piano Ensemble	195-196—2 hours
Instrumental Ensemble	193i-194i—2 hours
Band	191-192—2 hours
Brass Choir	191i-192i—2 hours

Credit for Senior Recital

Piano	750p—2 hours
Voice	750s—2 hours
Violin	750v—2 hours
Cello	750c—2 hours
Wind	750w—2 hours
Organ	750o—2 hours

Expenses

Each full time student is allowed three private lessons per week in applied music. Students desiring four lessons per week will pay an additional fee of $25.00. The above does not include matriculation, laboratory fees, or rental of instruments.

Otterbein College

Bachelor of Arts with Music Major

The candidate in this field may pay the regular semester fee adding the fees for applied music at private rates, or pay the rates for private lessons in applied subjects, adding $25.00 for each hour of academic subjects taken.

THE DIVISION OF PROFESSIONAL STUDIES

MISS VANSANT, *Chairman*

Departments: Air Science, Education, Home Economics, Physical Education, and Music Education.

AIR SCIENCE

Col. Grubb, *Chairman;* Major Comstock, Captain Rice, Sgt. Cromer, Sgt. Page.

Satisfactory completion of outlined course and other Air Force requirements will make the student eligible for a commission in the United States 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 have completed the basic course or its equivalent, and are accepted by the Professor of Air Science. All interested students should confer with a member of the department prior to registration.

101-102. FOUNDATIONS OF AEROSPACE POWER *4 hours*

A survey of Aerospace Power, ideological conflicts, citizenship responsibilities, military development and traditions, organization of the armed forces, and the USAF as a major factor in the security of the free world. Leadership Laboratory. Fee $5.00.

201-202. FUNDAMENTALS OF AEROSPACE WEAPON SYSTEMS *4 hours*

Survey of aerospace missile and craft; target intelligence and electronic warfare; space operational problems; defensive, strategic and tactical operations. Leadership Laboratory. Fee $5.00.

301-302. AIR FORCE OFFICER DEVELOPMENT *6 hours*

Leadership development through study of staff organization and functions, problem solving, communicating, psychological and sociological principles of leadership and management, and the military justice system. Leadership Laboratory. Fee $5.00.

SUMMER TRAINING UNIT

Junior Officer Training for a period of approximately 4 weeks duration conducted at Air Force Installations. Students normally attend this STU between the third and fourth years of Air Science. They are paid approximately $80.00 per month plus travel allowances.

401-402. GLOBAL RELATIONS *6 hours*

The study of International Relations, Military Aspects of World Political Geography, Navigation and Weather. Briefing for Commissioned Service. Leadership Laboratory. Fee $5.00.

LEADERSHIP LABORATORY

One hour per week. Provides students with an opportunity for the development of the fundamentals of management and leadership through actual experience within a supervised environment.

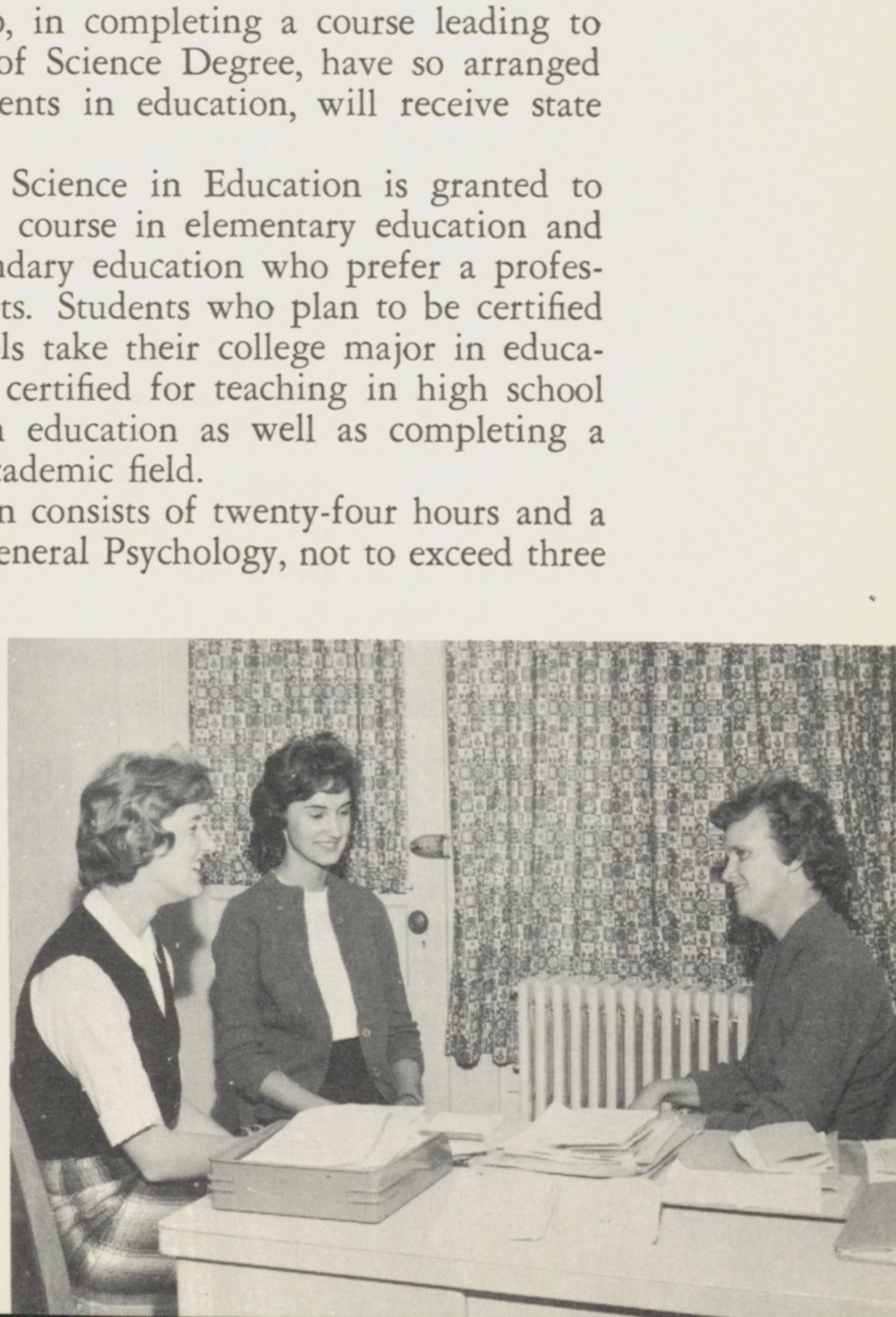
EDUCATION

Mr. Addington, *Chairman;* Mrs. Anderson, Mrs. Clymer, Mrs. Joyce, Mrs. Pagean, Mr. Vigilante, Mr. Young.

The broad inclusive aim of the department of education is to help prospective teachers to acquire knowledge, understanding, and attitudes which they will need in order to become successful workers in the public schools. Students who, in completing a course leading to a Bachelor of Arts or Bachelor of Science Degree, have so arranged their work as to meet requirements in education, will receive state teachers' certificates.

The degree of Bachelor of Science in Education is granted to those students who complete the course in elementary education and may be granted to those in secondary education who prefer a professional degree to one in liberal arts. Students who plan to be certified to teach in the elementary schools take their college major in education. Candidates planning to be certified for teaching in high school must meet state requirements in education as well as completing a college major and minor in an academic field.

A college major in education consists of twenty-four hours and a college minor of fifteen hours. General Psychology, not to exceed three



hours, may be counted toward a college major or minor in education.

Students entering or re-entering the secondary teacher training program of Otterbein College as of the fall semester, 1961, must have a college major and minor in a field other than education.

Students entering or re-entering the teacher training program of Otterbein College as of the fall semester, 1962, will be subject to a teacher selection plan in addition to the college entrance requirements and will participate in a professional semester in the senior year.

The teacher selection plan will require the student to make a written request to a teacher education screening committee to become a teacher education candidate after he has credit in Education 101 but before the end of the sophomore year. The applicant will submit the following information for the consideration of the screening committee: a recommendation from the Education 101 instructor, a total cumulative grade point average equal to that required for graduation, a cumulative grade point average of 2.000 or above in each teaching area, evidence of physical and emotional fitness to teach, evidence of freedom from hearing or speech defects that would handicap teaching ability, and a grade of "C" or above in English 101 and 102. Students not qualifying on the first application may reapply after meeting the requirements.

The professional semester may be either the first or second semester of the senior year. For secondary education students Education 202, 203 and 425 shall be taken during the first one-half of the semester and Education 431 and 437 shall be taken during the second one-half of the semester. For elementary education students Education 203, 355, and 465 shall be taken during the first one-half of the semester and Education 461 and 467 shall be taken during the second one-half of the semester.

Requirements for certification should be determined early in the college career since there are important differences in certification laws in the various states.

Both the secondary and elementary education curricula are designed to meet the requirements of the state laws of Ohio and surrounding states governing the certification of persons to teach in the public schools.

General and Secondary Courses

The following specific courses are required of all students desiring to qualify for certification in Secondary Education: Psychology 101; Education 101, 202, 203, 425-426, 431, Speech 101, and Special Methods in the academic field chosen by the student. The student must complete also from one to three teaching fields in consultation with his adviser.

101. INTRODUCTION TO EDUCATION *3 hours*

An orientation course intended to give the student a broad overview of the educational system and the necessary steps in preparing to be a teacher.

202. THE TEACHER AND SCHOOL ADMINISTRATION *3 hours*

The purpose of this course is to develop an understanding of the place of the public school in American society and in understanding the means by which the people administer their schools. The responsibility of teachers to the public they serve and the place of teachers in the machinery of school administration are important parts of this course. Prerequisite: Introduction to Education.

203. EDUCATIONAL PSYCHOLOGY *3 hours*

It is the purpose of this course to assist the student, who has had a basic training in general psychology, in applying psychological principles to problems of human welfare and happiness through the medium of contemporary education. Prerequisite: Psychology 101.

307. TESTS AND MEASUREMENTS FOR TEACHERS *2 hours*

A survey of the history and development of educational measurements and their educational function with a careful examination of methods of their implementation in actual learning situations. A major emphasis of this course is the preparation or selection of a testing program in the prospective teachers' subject areas of study as a fundamental basis for educational prognosis, evaluation and guidance services.

401. AUDIO VISUAL RESOURCES *2 hours*

All forms of audio-visual materials are considered in their relationship to the learning process. Time is provided for the student to gain experience in the selection, utilization and evaluation of audio-visual teaching materials along with the solution of a learning situation, in order to illustrate good usage of materials and effective procedures.

The course also makes provision for gaining understanding and competency in the operation of essential equipment and facilities related to the program.

425-426. PRINCIPLES AND TECHNIQUES OF CLASSROOM PROCEDURES *4 hours*

(3 hours in Professional Semester)

(General Methods with Observation.) This course is designed to give the student familiarity with the various problems of the classroom

and acquaint him with the various methods and devices which have been employed or suggested for dealing with these problems. There will be a general survey of literature of classroom technique. Must be taken with Education 431. Prerequisite: Psychology 101.

431. STUDENT TEACHING, SECONDARY FIELD *6-8 hours*

Actual experience in teaching in a public high school, under the supervision of critic teachers and the director of training. The course must be taken with Education 425-426. There is a fee of $5.00 per semester hour. Prerequisites: Education 203, one course in public speaking, and subject methods. A block of one-half day must be cleared for student teaching.

437. STUDENT TEACHING SEMINAR *1 hour*

Taken with student teaching in the professional semester.

491-492. ADVANCED PROBLEMS AND BIBLIOGRAPHY
Credit to be Arranged

Courses of special interest for advanced students and practicing teachers.

SPECIAL METHODS

Courses in special methods are offered in the following departments: Art, Biology, Chemistry, English, Foreign Language, History and the Social Sciences, Home Economics, Mathematics, Music, Physical Education, Physics, and Speech. These courses should be taken in the junior year. For description, see the department concerned.

Elementary Courses

The following specific courses are required of students who desire to be certified to teach in the elementary schools: Education 101, 203, 258, 351, 352, 353, 355, 356, 461, and 465 or 466; Psychology 101; Art 101, 281; English 101-102, 203-204; Mathematics 107; Music 108, 208; Geography 101; Sociology 201-202; History 101-102, 201-202; Biology 111-112; Physical Science 101; Physical Education 101-102, 201-202, 203, 313; Speech 101; Humanities 201-202; Religion 201-202.

258. TEACHING PARTICIPATION *2 hours*

Laboratory experiences and seminar involving a study of classroom problems and modern school practices in the public schools. Fee $5.00 per semester hour. Prerequisite: Education 101, Psychology 101.

351. METHODS, LANGUAGE ARTS *3 hours*

Includes language arts, oral and written expression, creative writing, and the techniques of the teaching of reading.

352. FUNCTIONAL ARITHMETIC *3 hours*

A study of specific methods of instruction and criteria for determining a functional arithmetic program for the elementary and intermediate grades. Prerequisite: Mathematics 107.

353. CHILDREN'S LITERATURE *3 hours*

An introduction to folk literature, children's classics, poetry, and the various phases of modern prose for children. Emphasis is placed on selection of appropriate books for children of different ages and evaluation of book content. Experience in story telling and oral reading.

355. METHODS, CONTENT SUBJECTS *3 hours*

Includes the planning, organization, resources, and possible activities of typical units of study at various age levels.

356. CHILD GUIDANCE *3 hours*

The developmental preventive aspect of guidance through an understanding of child growth and development. Prerequisite: Psychology 101.

357. THE KINDERGARTEN-PRIMARY CURRICULUM *3 hours*

Designed for students preparing to teach in kindergarten or first grade. Consideration given to curriculum, records, reports and home relationships, teaching aids, and social adjustments.

461. STUDENT TEACHING, ELEMENTARY FIELD *6-12 hours*

Actual experience in an elementary school under the supervision of a classroom teacher and college supervisor. Six hours of credit requires full afternoons for one semester. Additional credit requires entire day for one semester.

466. ORGANIZATION MANAGEMENT AND CURRICULUM DEVELOPMENTS *3 hours*

Designed to summarize basic principles of education as established in preceding courses and experiences, and teacher responsibility for in-service growth. Should be taken during the student teaching period.

467. STUDENT TEACHING SEMINAR *1 hour*

Taken with student teaching in the professional semester.

SPECIAL EDUCATION

The following courses lead to Ohio certification of Teachers of Slow Learning Children. The courses are offered in evening or summer school classes as a service to employed teachers. All candidates for these special education classes must hold regular certification or qualify for regular certification at the time of graduation. Students not yet graduated will be limited in the number of hours of professional education that may be counted toward graduation. Elementary may count no more than thirty-four semester hours and secondary may count no more than twenty-three semester hours.

485. EDUCATION OF EXCEPTIONAL CHILDREN *3 hours*

An introduction study of academically gifted, slow-learning, physically and sensory handicapped children.

487. EDUCATION OF SLOW LEARNING CHILDREN *3 hours*

A study of the psychological, physiological and education aspect of slow learning children. (Formerly numbered 491)

493. CURRICULUM PLANNING FOR SLOW LEARNING CHILDREN—LANGUAGE ARTS *3 hours*

A study of the curriculum for slow learning children in the areas of language arts and reading.

494. PROGRAM DEVELOPMENT FOR SLOW LEARNING CHILDREN—ARITHMETIC AND SOCIAL STUDIES *3 hours*

A study of programs for slow learning children with emphasis on arithematic and social studies.

495. INSTRUCTIONAL MATERIALS FOR SLOW LEARNING CLASSES *2 hours*

A study of the preparation, adoption and selection of materials effective in teaching slow learning children.

496. OCCUPATIONAL ORIENTATION AND PREPARATION *2 hours*

A study of occupations open to slow learning persons and preparation required for employment.

Students not graduated will take a minimum of eight hours of student teaching, four of which will be in classes of slow learning students. Certified candidates will take a minimum of six hours of student teaching in classes of slow learning children unless this requirement is waived because of teaching experience.

HOME ECONOMICS

Mrs. Joyce, *Chairman;* Mrs. Gill, Miss Holmes

The curriculum in Home Economics is designed to provide an educational program for home and family living.

Students who major in home economics are prepared for teaching, and for positions in the commercial field. Basic courses are provided for those who desire training in dietetics, food service, and nursery school work.

Twenty-four hours are required for a college major and fifteen hours for a college minor. Courses for a major or a minor must be approved by head of the department.

Students who are interested in teaching home economics may qualify for either of the liberal arts degrees, B.A. or B.S., or for a professional degree, B.S. in Ed.

101. TEXTILES *3 hours*

Study of fibers, yarns, fabrics in relation to cost, maintenance, durability, and applicability. Emphasis on basic manufacturing of man-made fibers and the special finishes on natural fibers. Open to men and women. Course fee $2.00.

102. CLOTHING CONSTRUCTION *3 hours*

Study of economic, fashion, and social factors in clothing selection and construction relative to maintenance, cost, physiological and psychological factors. Basic construction problems. Open to men and women. Course fee $2.00.

104. HOME ECONOMICS FOR MEN *2 hours*

Introductory course in family living to acquaint men with their responsibilities as related to home and family living in today's world. The use of general resources is studied with special emphasis on money management. Open to all men students. Course fee $2.50.

205. CHILD DEVELOPMENT *2-3 hours*

Basic needs of the infant and pre-school child, and their patterns of development. Provides for experience with children by participation in the Pre-School. Each student is required to participate 2 hours per week. Open to both men and women.

206. CHILD DEVELOPMENT (later childhood and adolescence) *2 hours*

Fundamental principles related to development and guidance. Open to both men and women students. Recommended for secondary teachers.

211-212. FOODS AND NUTRITION *6 hours*

History of technological advance in foods and nutrition and the effects on modern living. Study of preparation and serving of food to ensure physical, social and intellectual well-being of the family. Open to both men and women. Course fee $7.50 a semester.

216. HOME FURNISHINGS *2 hours*

Selection and maintenance of home furnishings through applying principles of art and economics as related to social factors, family life, and personal interest. Open to both men and women. Course fee $1.00.

302. ADVANCED FOODS *3 hours*

Emphasis on food preparation and management, demonstrations, and quantity cookery. Prerequisite: Home Economics 212. Course Fee $7.50.

304. ADVANCED CLOTHING *3 hours*

Advanced study of economic, social, and fashion factors in clothing. Clothing construction, including tailoring. Prerequisite: Home Economics 102 or satisfactory score on proficiency test. Course fee $1.50.

305. HOUSEHOLD EQUIPMENT *3 hours*

Laws of physics and chemistry and principles of art underlying the design and fabrication processes of household appliances. Emphasis on the effects of work simplification as it influences social and economic aspects of family living. Course fee $1.50. Alternate years.

312. ADVANCED NUTRITION *3 hours*

Study of recent research in human nutrition and application of such knowledge to improve health standards in family living and in our nation. Prerequisite: Home Economics 212. Course fee $2.50.

315-316. HOME MANAGEMENT *4 hours*

Understanding of management and the intellectual challenge it presents in today's home. Knowledge of philosophies, values, attitudes affecting family goals and how planning, controlling, and evaluating aid in use of resources. Course fee $2.50 a semester.

317. FAMILY LIVING *2 hours*

Introduction to problems of the modern family. A non-technical course introducing management of family resources as related to successful family life. Non-majors only. Course fee $1.00.

320. THE TEACHING OF HOME ECONOMICS *3 hours*

A study of the "New Directions in Home Economics." The planning of courses and effective presentation methods in relation to motivation, needs, and interests of pupils. For majors and minors only.

401 or 402. HOME ECONOMICS SEMINAR *1-2 hours*

To familiarize those majoring in home economics with needed research and to introduce the results of recent research in home and family living. Required of all seniors majoring in home economics.

HEALTH AND PHYSICAL EDUCATION

Mr. Zarbaugh, *Acting Chairman,* Men's Division; Miss Day, *Acting Chairman,* Women's Division: Mr. Agler, Miss Jensen, Mr. Tong, Miss Tyler, Miss VanSant, Mr. Yoest.

A college major in health and physical education consists in the women's division of thirty-one hours and in the men's division of thirty-four hours. These majors satisfy the twenty-four hour secondary teaching area in Ohio. A college minor in both divisions is eighteen hours. Physical Education 101, 102, and 201, 202 do not count toward the major or minor in either division. These minors do not certify a person to teach.

A special provisional certificate in health and physical education is granted to both men and women who complete forty-one to forty-five hours of prescribed courses. This certificate qualifies students to teach either at the elementary or secondary level in Ohio. For the special provisional certificate both divisions require: Biology 221, Physical Education 203, 204, 301, and 302, 303, 304, 313, 325, and 326. In addition to these 309, 310, 314 and 317 are required in the women's division and 205, 305, 306, 307, 311, and 315 in the men's division.

For a college major in the men's division it is necessary to take: Biology 221, Physical Education 203, 204, and 205, 301 or 302, 303 or 304, 305, 306, and 307, 311, 313, and 325. The college major in the women's division requires: Biology 221, Physical Education 203, 301, 302, and 304, 309, 310, 313, 314, and 325. For a minor in the women's division it is necessary to take Physical Education 203, 301, 302, 309, 310, and 313.

101-102. FRESHMEN (MEN) *2 hours*

Two hours per week are spent in activities which will provide carry-over value and prepare students for participation in a selective program in physical education 201-202. Activities included are touch football, golf, archery, volleyball, basketball, tumbling, gymnastics, track and field, softball, and tennis. Laboratory fee $4.00 per semester.

201-202. SOPHOMORES (MEN) *2 hours*

Two hours per week are spent in selected activities to develop greater proficiency and carry-over value. Activities included are archery, bowling, golf, gymnastics, tennis, volleyball, weightlifting, badminton, square dance, and social dance. Laboratory fee $4.00 per semester.

101-102. and 201-202. APPLIED HEALTH, PHYSICAL EDUCATION, AND RECREATION (WOMEN) *4 hours*

A lecture-discussion-laboratory course. Two hours per week are spent in individual, team, or rhythmic activities which are selected each eight weeks from the following: archery, badminton, basketball, bowling, canoeing, golf, fencing, field hockey, lacrosse, modern dance, outing, softball, social dance, square dance, tennis, trampoline, volleyball, and winter sports. One hour per week is spent in the classroom discussing pertinent aspects of health, physical education and recreation. Laboratory fee $4.00 per semester.

203. PERSONAL HEALTH *3 hours*

A study of the various conditions and factors, as related to the individual, which affect health.

204. COMMUNITY HEALTH *3 hours*

A consideration of factors in the community that affect the health of the residents.

205. METHODS AND MATERIALS FOR GYMNASTICS AND TUMBLING *3 hours*

Designed for the study of problems, materials and techniques involved in teaching gymnastics and tumbling in a physical education program. Special emphasis upon exhibitions and physical activity demonstration. Laboratory fee $4.00.

301. PRINCIPLES OF PHYSICAL EDUCATION *3 hours*

The origin and nature of physical education as a developmental experience. Offered in alternate years.

302. THE ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION *3 hours*

A study of the organization of the physical education program, and the principles and problems relating to its organization. Offered in alternate years.

303. ORGANIZATION AND ADMINISTRATION OF SCHOOL HEALTH EDUCATION *3 hours*

A study of the organization of the school health program on the elementary and secondary levels with emphasis on healthful school living and health services. Prerequisite: Physical Education 203. Offered in alternate years.

304. THE TEACHING OF HEALTH *3 hours*

Principles, methods and materials in the teaching of health. Prerequisite: Physical Education 203. Offered in alternate years.

305. THE TEACHING OF FOOTBALL *2 hours*

A study in the theory, methods and mechanics of coaching football. Open only to juniors and seniors. Offered in alternate years.

306. THE TEACHING OF BASEBALL AND TRACK *3 hours*

A study in the theory, methods and mechanics of coaching baseball and track. Open only to juniors and seniors.

307. THE TEACHING OF BASKETBALL *2 hours*

A study in the theory, strategy and methods of coaching basketball. Open only to juniors and seniors. Offered in alternate years.

309-310. SPORTS' TECHNIQUE *6 hours*

Principles, methods of teaching, organizing and officiating individual and team sports for girls. Laboratory fee $1.00 per semester. Offered in alternate years.

311. THEORY AND PRACTICE OF PHYSICAL EDUCATION ACTIVITIES *2 hours*

This course is designed for those preparing to teach physical education in high school. Laboratory fee $1.00 per semester.

313. THE ELEMENTARY SCHOOL PHYSICAL EDUCATION PROGRAM *3 hours*

A study of the elementary school child and the elementary school physical education program. The teaching of movement exploration, games of low organization, rhythmic activities, and self-testing activities is emphasized. Laboratory fee $1.00.

314. ADVANCED THEORY AND PRACTICE OF RHYTHMIC ACTIVITIES, STUNTS AND TUMBLING *3 hours*

An advanced study of basic rhythmic activities, stunts, tumbling and creative dance. Prerequisite: Physical Education 313. Offered in alternate years.

315. THE TREATMENT OF ATHLETIC INJURIES *2 hours*

This course will deal with the recognition, prevention and care for the wide variety of injuries common to the athlete.

317. First Aid *2 hours*

A course in Red Cross First Aid offering both the Standard and Advanced Certificate. Open to juniors and seniors with permission of the instructor.

319. Basketball Officiating *1 hour*

A study of the basketball rules, their implications and interpretation and mechanics of officiating. Individuals may become registered officials of the Ohio High School Athletic Association.

320. Football Officiating *1 hour*

A study of the football rules, their implications and interpretations and mechanics of officiating. Individuals may become registered officials of the Ohio High School Athletic Association.

325. Kinesiology *2 hours*

A study of the anatomic fundamentals of human motion, the mechanics of human motion, and applied principles of basic motor skills. Offered in alternate years.

326. Individual and Adapted Physical Education *2 hours*

The study of individual physical education for the exceptional child. Offered in alternate years. Prerequisite: Physical Education 325.

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Miss Mary B. Thomas, B.A., M.A. Westerville, Ohio

CHURCH TRUSTEES—Terms of office expire in September.

Erie Conference

Rev. Lloyd O. Houser, B.A., B.D., D.D., Buffalo, N.Y. 1964
Rev. Harold V. Lindquist, B.A., B.D., D.D., Erie, Pa. 1965
Rev. Spurgeon D. Witherow, B.A., B.D., Cochranton, Pa. 1966

Florida Conference

James W. Yost, B.A., Tampa, Florida 1965

Ohio East Conference

Rev. Rolland Reece, B.S. in Ed., B.D., Barberton, Ohio 1964
Edwin H. Eberly, B.S. in Ed., North Lawrence, Ohio 1965
Rev. Edwin P. Eberly, B.A., D.D., Massillon, Ohio 1966

Ohio Miami Conference

Rev. William K. Messmer, B.A., B.D., D.D., Dayton, Ohio 1964
Rev. Murn B. Klepinger, B.A., B.D., D.D., Dayton, Ohio 1965
R. Linnaeus Pounds, B.S., M.A., Ph.D., Cincinnati, Ohio 1966

Ohio Sandusky Conference

Rev. John C. Searle, Sr., D.D., Findlay, Ohio 1964
George Gilts, Findlay, Ohio 1965
Rev. Charles Bradford, B.A., B.D., Rockford, Ohio 1966

Ohio Southeast Conference

Rev. Clayton F. Lutz, B.A., B.D., D.D., Columbus, Ohio 1964
Rev. Millard J. Miller, B.A., B.D., D.D., Westerville, Ohio 1965
Rev. William L. Snider, B.A., B.D., Columbus, Ohio 1966

Tennessee Conference

Rev. E. B. Jeffers, Johnson City, Tenn. 1963
Rev. James Castro Smith, B.A., D.D., Knoxville, Tenn. 1964

Otterbein College

WESTERN PENNSYLVANIA CONFERENCE

Paul D. Walter, B.A., M.A., Ph.D., Johnstown, Pa. 1964
Rev. Elmer A. Schultz, B.A., B.D., D.D., Johnstown, Pa. 1965
Rev. George Biggs, B.A., B.D., D.D., Johnstown, Pa. 1966

WEST VIRGINIA CONFERENCE

Rev. Ray N. Shaffer, B.A., D.D., Parkersburg, W. Va. 1963
Rev. Robert E. Dille, B.A., B.D., New Haven, W. Va. 1964
Mrs. Bane D. Shafer, B.A., St. Albans, W. Va. 1965

TRUSTEES-AT-LARGE—Terms expire with the annual meeting of the Board.

Irvin L. Clymer, B.A., LL.D., Evanston, Ill. 1963
E. N. Funkhouser, B.A., LL.D., L.H.D., Hagerstown, Md. 1963
Bishop J. Gordon Howard, B.A., B.D., M.A., D.D., LL.D., Pittsburg, Pa. 1964
Mrs. E. S. Kern, B.A., Columbus, Ohio 1964
Richard Allaman, B.A., Dayton, Ohio 1965
Verda B. Evans, B.A., M.A., L.H.D., Cleveland, Ohio 1965
Emerson C. Shuck, B.A., M.A., Ph.D., Litt.D., Delaware, Ohio 1966
Mary B. Thomas, B.A., M.A., Westerville, Ohio 1966
Virgil O. Hinton, B.A., LL.B., Canton, Ohio 1967
Roger K. Powell, B.A., LL.B., Columbus, Ohio 1967

ALUMNI TRUSTEES

Joseph W. Eschbach, B.S., M.D., Dearborn, Mich. 1964
L. William Steck, B.A., M.A., Westerville, Ohio 1964
Earl R. Hoover, B.A., LL.B., LL.D., Cleveland, Ohio 1965
Herman F. Lehman, B.S., LL.D., Dayton, Ohio 1965
Mrs. F. O. Clements, L.H.D., Westerville, Ohio 1966
E. N. Funkhouser, Jr., B.S., M.A., LL.D., Concord, Mass. 1966
Philipp L. Charles, B.A., LL.B., Cincinnati, Ohio 1967
Donald R. Martin, B.A., M.S., Ph.D., Euclid, Ohio 1967
Harold L. Boda, B.A., M.A., D.Ed., Dayton, Ohio 1968
Homer D. Cassel, B.A., M.D., F.A.C.P., Dayton, Ohio 1968

ADVISORY TRUSTEE

Bishop Paul M. Herrick, M.A., B.D., D.D., LL.D., Dayton, Ohio

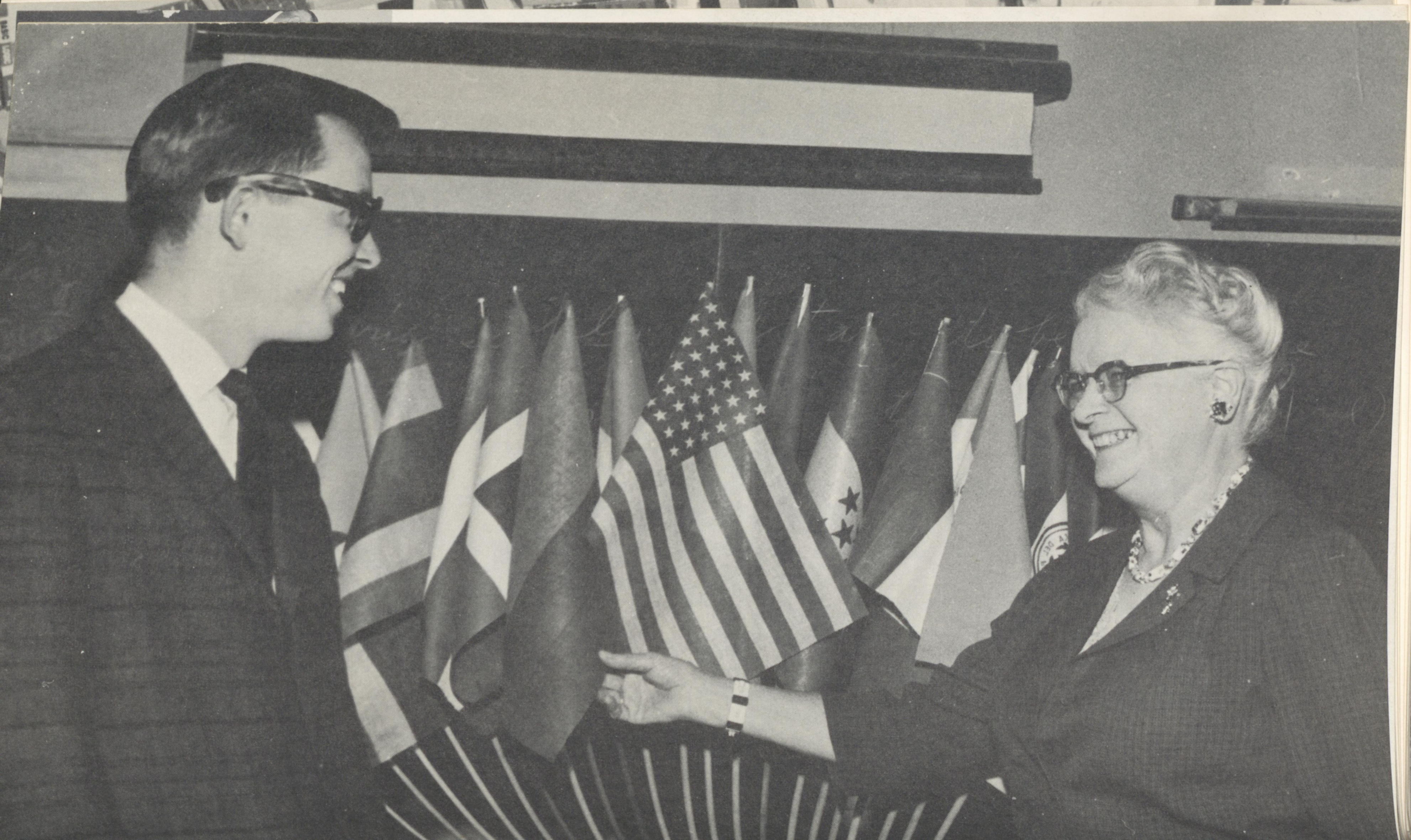
HONORARY TRUSTEE

Homer B. Kline, B.A., LL.D., Birmingham, Mich.

EXECUTIVE COMMITTEE

Harold L. Boda, Chairman

Harold L. Boda, B.A., M.A., D.Ed., Dayton, Ohio	1963
Mrs. F. O. Clements, L.H.D., Westerville, Ohio	1963
E. N. Funkhouser, Jr., B.S., M.A., LL.D., Concord, Mass.	1963
Herman F. Lehman, B.S., LL.D., Dayton, Ohio	1963
L. William Steck, B.A., M.A., Westerville, Ohio	1963
Homer D. Cassel, B.A., M.D., F.A.C.P., Dayton, Ohio	1964
Rev. Murn B. Klepinger, B.A., B.D., D.D., Dayton, Ohio	1964
Rev. Millard J. Miller, B.A., B.D., D.D., Westerville, Ohio	1964
Rev. Elmer A. R. Schultz, B.A., B.D., D.D., Johnstown, Pa.	1964
Emerson C. Shuck, B.A., M.A., Ph.D., Litt.D., Delaware, Ohio	1964
Roger K. Powell, B.A., LL.B., Columbus, Ohio	1964
Lynn W. Turner, B.A., M.A., Ph.D., LL.D., Westerville, Ohio	Ex-Officio



Faculty and Officers of the Faculty

EMERITUS LIST

WALTER R. BAILEY
Associate Professor of Mathematics
B.S., Otterbein College, 1911
1946-1955; Jan. to June, 1956; Jan. to June, 1959

LULA MAY BAKER
Assistant Professor of Music
B.A., Otterbein College, 1896; Diploma in Music, Otterbein College, 1898; B.Mus., Otterbein College, 1916
1903-1944

WILLARD WILLIAM BARTLETT
Professor of Education
B.S., Colgate University, 1910; M.A., Columbia University, 1916; Ph.D., The Ohio State University, 1933; Certificat d'Etudes Francaises, Universite de Toulouse, 1939
1936-1946

ALBERT JAMES ESSELSTYN
Professor of Chemistry
B.S., Alma College, 1915; M.S., Cornell University, 1926
1928-1961

BENJAMIN CURTIS GLOVER
Professor of Mathematics
B.S., Northwestern University, 1907; M.A., University of Chicago, 1925
1919-1950

FRED ARTHUR HANAWALT
Professor of Biology and Geology
B.S., Otterbein College, 1913; M.S., The Ohio State University, 1921
1920-1955

JAMES HARVEY MCCLOY
Professor of Physics and Astronomy
B.S., Purdue University, 1913; M.S., The Ohio State University, 1923
1913-1960

HAROLD LORIN MCMILLAN
Professor of Education
B.S. in Ed., The Ohio State University, 1925; M.A., The Ohio State University, 1926
1946-1958

ROYAL FREDERICK MARTIN
Vice-President and Professor of Physical Education
B.P.E., Springfield College, 1911; B.A., Otterbein College, 1914; M.Ed., Springfield College, 1935; LL.D., Otterbein College, 1951
1913-1917; 1919-1958

GILBERT EMORY MILLS
Professor of Foreign Languages
B.A., Otterbein College, 1920; M.A., The Ohio State University, 1928; Ph.D., The Ohio State University, 1955
1920-1963

MRS. MARGUERITE ELAINE NELSON
Associate Professor of English
B.A., Hiram College, 1916; M.S., Indiana University, 1939
1947-1963

ALZO PIERRE ROSSELOT
Professor of History and Government
B.A., Otterbein College, 1905; M.A., Otterbein College, 1908; M.A., University of Wisconsin, 1909; Ph.D., The Ohio State University, 1933
1905-1952; 1953-1961

EDWARD WALDO EMERSON SCHEAR
Professor of Biology and Geology
B.A., Otterbein College, 1907; M.A., Columbia University, 1915; Ph.D., The Ohio State University, 1928
1912-1951

JOHN FRANKLIN SMITH
Professor of Speech
B.A., Otterbein College, 1910; M.A., The Ohio State University, 1920
1927-1950

ACTIVE LIST

LYNN WARREN TURNER
President of the College, Professor of History
B.A., Indiana Central College, 1927; M.A., Indiana University, 1932; Ph.D., Harvard University, 1943; LL.D., Indiana Central College, 1958
1958-

DAVID ASHER WAAS
Dean of the College, Professor of History
B.S., Manchester College, 1947; M.A., University of Illinois, 1949; Ph.D., University of Illinois, 1958
1960-

PAUL HERMAN ACKERT
Associate Professor of Religion and Philosophy
B.A., Albright College, 1941; B.D., United Theological Seminary, 1944; M.Ed., University of Pittsburgh, 1950; Ph.D., University of Pittsburgh, 1957
1954-

CHESTER LUTHER ADDINGTON
Associate Professor of Education
B.S., Ball State Teachers College, 1952; M.A., Ball State Teachers College, 1954; Ed.D., Indiana University, 1961
1961-

ROBERT AGLER
Assistant Professor of Physical Education, Director of Athletics and Football Coach
B.A., Otterbein College, 1948; M.A., The Ohio State University, 1961
1953-

WILLIAM OLIVER AMY
Instructor in Religion and Greek
B.A., University of Western Ontario, 1951; B.D., Evangelical Theological Seminary, 1954; S.T.M., Biblical Seminary, 1955
1962-

MRS. EVELYN ANDERSON
Associate Professor of Education
B.S., Western Carolina State College, 1937; M.A., Morehead State College, 1951
1956-

FREDERIC RICHARD BAMFORTH
Professor of Mathematics
B.A., Queen's University, 1921; M.A., Queen's University, 1922; Ph.D., The University of Chicago, 1927
1950-58, 1962-

PHILIP EVERETT BARNHART
Assistant Professor of Physics and Astronomy
B.A., Manchester College, 1952; M.A., Indiana University, 1955
1959-

*CHARLES WESLEY BOTTS
Associate Professor of Biology and Geology
B.S., Otterbein College, 1934; M.S., The Ohio State University, 1939
1940-1946; 1947-

*On Sabbatical leave second semester, 1963-64

ALAN LOU BRADLEY
Assistant Professor of Music
B.A., Knox College, 1956; M.Mus., Indiana University, 1957
1960-

DONALD CARL BULTHAUP
Assistant Professor of Physics
B.S., Indiana Central College, 1952; M.S., Michigan State University, 1962
1963-

DOROTHY LOEW CAMERON
Instructor in Foreign Languages
B.A., Indiana University, 1954; M.A., The Ohio State University, 1961
1963-

RICHARD HOLDEN CHAMBERLAIN
Associate Professor of Music
B.S. Mus., Houghton College, 1939; M.Mus., North Texas State College, 1941
1960-

MRS. JEAN LOUISE CHASE
Instructor in English
B.A., Otterbein College, 1943
1963-

MARION CLEMENT CHASE
Associate Professor of Speech
B.A., Otterbein College, 1947; M.A., The Ohio State University, 1951
1950-

JANET AVIS CHRISTY
Instructor in Foreign Languages
A.B., B.S. in Ed., Otterbein College, 1960; M.A., The Ohio State University, 1962
1962-

MRS. HELEN MARIE CLYMER
Instructor in Pre-Kindergarten School
B.A., Otterbein College, 1938
1953-

WILLIAM FRANCIS COMBS
Associate Professor of Psychology
B.A., West Virginia University, 1948; M.A., West Virginia University, 1949; Ph.D., University of Oklahoma, 1957
1960-

WILLIAM GEORGE COMSTOCK, MAJOR
Associate Professor of Air Science
O.D., Southern College, 1948; B.S., Siena College, 1950; M.B.A., University of Pittsburgh, 1960
1962-

JOHN KNOX COULTER, JR.
Assistant Professor of English
B.A., Transylvania College, 1952
1956-

KEITH DEMPSTER CRANE
Associate Professor of Chemistry
B.S., Michigan State College, 1930; M.S., Michigan State College, 1936
1947-

MARILYN ELLEN DAY
Assistant Professor of Physical Education
B.A., Otterbein College, 1953; M.S., University of Colorado, 1957
1953-

CHARLES WARD DODRILL
Assistant Professor of Speech, Director of Theatre and Special Events
B.A., Glenville State College, 1954; M.A., University of Kansas, 1956
1958-

RICHARD DONALD ELLSWORTH
Instructor in Religion
B.S. in M.E., Case Institute of Technology, 1950; B.D., Evangelical Lutheran Seminary, 1960
1963-

ROBERT ABBOTT ESTES
Instructor in Mathematics
B.A., Bowdoin College, 1958; M.A., University of Kansas, 1961
1961-

LAWRENCE STROUP FRANK
Associate Professor of Music
B.A. and B.Mus., Oberlin College, 1931; Fellow of the American Guild of Organists, 1933; M.Mus., Eastman School of Music, 1934
1948-

MRS. LILLIAN SPELMAN FRANK
Associate Professor of Art
B.A., Oberlin College, 1929; M.A., Oberlin College, 1942
1943-

PAUL LESLIE FRANK
Professor of Music
Diploma, Vienna Conservatory of Music, 1927; Doctor of Law, University of Vienna, 1928; M.A., University of Chicago, 1946; Ph.D., University of Chicago, 1950
1946-

MRS. CLEORA CHRISTOPHER FULLER
Assistant Professor of English
B.A., Otterbein College, 1953; M.A., Bread Loaf School of English, Middlebury College, 1958
1951-

MRS. CATHERINE BARNHART GERHARDT
Instructor in Music
B.Mus. Ed., Otterbein College, 1946; M.Mus., Eastman School of Music, 1949
1949-1950; 1958-

ALBERT KNUTE GERMANSON, JR.
Instructor in Art
B.F.A., The Ohio State University, 1956
1963-

MRS. MARGARET BURKLEY GILL
Instructor in Home Economics
B.Sc., The Ohio State University, 1939
1962-

KARL JAMES GLENN
Instructor in Music
B.S. in Ed., University of Missouri, 1957; M.M., The University of Michigan, 1959
1963-

JAMES ADAMS GRISSINGER
Professor of Speech
B.A., The Ohio State University, 1947; M.A., The Ohio State University, 1949; Ph.D., The Ohio State University, 1957
1950-

WILLIAM F. GRUBB, COLONEL
Professor of Air Science
B.S., Carson-Newman College, 1937
1963-

WILLIAM THORNLEY HAMILTON
Instructor in English
B.A., University of Washington, 1961; M.A., University of Maryland, 1963
1963-

HAROLD BELL HANCOCK
Professor of History and Government
B.A., Wesleyan (Connecticut) University, 1936; M.A., Harvard University, 1938; Ph.D., The Ohio State University, 1955
1944-

STANLEY PHILIP HART
Assistant Professor of Economics and Business Administration
B.S., Cornell University, 1951; M.Sc., The Ohio State University, 1959; Ph.D., The Ohio State University, 1961
1963-

EARL CHESTER HASSENPFLUG
Instructor in Art
B.A., The Ohio State University, 1949
1955-

MRS. ADA POLLOCK HAYLOR
Instructor in English
B.A., Oberlin College, 1929; M.A., University of North Carolina, 1963
1963-

MARY ALYCE HOLMES
Instructor in Home Economics
B.S. in Ed., Otterbein College, 1953; M.Sc., The Ohio State University, 1956
1962-

URSULA HOLTERMANN
Associate Professor of History and Government
B.Sc., London School of Economics and Political Science, University of London, 1948; M.A., University of Chicago, 1951; Ph.D., University of Chicago, 1955
1955-

MRS. MARJORIE LAMBERT HOPKINS
Assistant Professor of Foreign Languages
B.A., Otterbein College, 1958; M.A., The Ohio State University, 1959
1959-

JUDITH LEE JENSEN
Assistant Professor of Physical Education
B.A., Earlham College, 1957; M.S., Ohio University, 1959
1959-

MRS. ELIZABETH STOLTZ JOHNSTON
Assistant Professor of Music
B.S. in Ed., The Ohio State University, 1937; M.A., The Ohio State University, 1939
1952-

MRS. MABEL COMBS JOYCE
Assistant Professor of Home Economics
B.S., The Ohio State University, 1930; M.A., The Ohio State University, 1936
1950-1954; 1955-

THOMAS JEFFERSON KERR IV
Assistant Professor of History
B.S., Cornell University, 1956; M.A., University of Buffalo, 1959
1963-

YOUNG WHE KOO
Assistant Professor of Economics and Business Administration
B.B.A., University of Georgia, 1958; M.S. in Econ., University of Alabama, 1960
1963-

JOHN HERBERT LAUBACH
Associate Professor of History and Government
B.A., Pennsylvania State University, 1953; Ph.D., Harvard University, 1958
1958-

*ALBERT EDWIN LOVEJOY
Associate Professor of Sociology
B.A., University of North Carolina, 1947; M.A., University of North Carolina, 1949; Ph.D., University of North Carolina, 1957
1957-

MENO LOVENSTEIN
Visiting Professor in the Department of Economics and Business Administration
B.A., University of Richmond, 1930; M.A., Columbia University, 1931; Ph.D., The Johns Hopkins University, 1938
1962-

LYLE JORDAN MICHAEL
Professor of Chemistry
B.S., Otterbein College, 1919; M.S., The Ohio State University, 1920; Ph.D., The Ohio State University, 1929
1937-

JOSEPH PAUL MILES
Instructor in Business Administration
B.S., Indiana Central College, 1951; M.A., Ball State Teachers College, 1955
1960-

DONALD WILCOX MOLYNEUX
Instructor in Physics
B.A., Houghton College, 1934; M.A., University of Buffalo, 1939
1960-

STEPHEN DANA MORTON
Assistant Professor of Chemistry
B.S., University of Wisconsin, 1954; Ph.D., University of Wisconsin, 1962
1962-

MILDRED BRAND MUNDAY
Associate Professor of English
B.A., Randolph-Macon Woman's College, 1940; M.A., Smith College, 1947; Ph.D., University of Wisconsin, 1953
1963-

FRIEDA ESTHER MYERS
Assistant Professor of Music
B.S. in Ed., Indiana Central College, 1951; M.Mus., Indiana University, 1954
1955-

*On Sabbatical leave second semester, 1963-64

ROGER HARVEY NEFF
Assistant Professor of Foreign Languages
B.A., The Ohio State University, 1956; M.A., The Ohio State University, 1960
1961-

MRS. ELIZABETH DOERSCHUK O'BEAR
Associate Professor of Foreign Languages
B.A., Oberlin College, 1931; M.A., Oberlin College, 1932; Ph.D., The Ohio State University, 1953
1960-

MRS. NELL HOLTMAN PAGEAN
Professor of Education
B.S. in Ed., University of Kansas, 1926; M.A., University of Iowa, 1932; Ph.D., The Ohio State University, 1944
1948-

HERBERT S. PARNES
Visiting Professor in the Department of Economics and Business Administration
B.A., University of Pittsburgh, 1939; M.A., University of Pittsburgh, 1941; Ph.D., The Ohio State University, 1950
1963-

GEORGE JAY PHINNEY
Assistant Professor of Biology
B.Sc., The Ohio State University, 1953; M.Sc., The Ohio State University, 1956
1962-

ROBERT PRICE
Professor of English
B.Ph., Denison University, 1928; M.A., The Ohio State University, 1930; Ph.D., The Ohio State University, 1943
1945-

JOHN STEVENS RAMSEY
Instructor in English
B.A., Calvin College, 1959; M.A., University of Maryland, 1963
1963-

JAMES KENDALL RAY
Associate Professor of English
B.A., Ohio University, 1927; M.A., University of Michigan, 1933
1948-

MRS. MARGUERITE F. RAY
Instructor in English
B.S. in Ed., The Ohio State University, 1925; M.A., The Ohio State University, 1932
1963-

*JAMES BYRON RECOB
Instructor in Religion and Philosophy
B.A., Otterbein College, 1950; B.D., United Theological Seminary, 1953
1959-

PHILIP F. RICE, CAPTAIN
Assistant Professor of Air Science
B.A. in Ed., Municipal University of Wichita, 1950
1960-

E. LAVELLE ROSSELOT
Professor of Foreign Languages
B.A., Otterbein College, 1933; M.A., The Ohio State University, 1934; Ph.D., Universite Laval, Quebec, Canada, 1955
1946-

DAVID NOEL RUTH
Assistant Professor of Sociology and Psychology
B.A., Syracuse University, 1952; B.D., Union Theological Seminary, 1955; Ph.D., Harvard University, 1962
1963-

LUCIUS LEE SHACKSON
Professor of Music
B.S. in Ed., The Ohio State University, 1933; M.A., The Ohio State University, 1938; Ph.D., The Ohio State University, 1959
1936-

ANITA KAY STOLL
Instructor in Foreign Languages
B.A., Wilmington College, 1961; M.A., Indiana University, 1963
1963-

THOMAS RICHARD TEGENKAMP
Assistant Professor of Biology
B.Sc., The Ohio State University, 1952; M.Sc., Ph.D., The Ohio State University, 1961
1962-

FRED JAMES THAYER
Assistant Professor of Speech
B.S. in Ed., Bowling Green State University, 1951; M.A., Bowling Green State University, 1957
1960-

CURTIS WHITFIELD TONG
Assistant Professor of Physical Education and Basketball Coach
B.A., Otterbein College, 1956; M.A., The Ohio State University, 1961
1963-

*On leave of Absence, 1963-64

ROY H. TURLEY, JR.
Associate Professor of Chemistry
B.S., Indiana Central College, 1952; Ph.D., University of Missouri, 1958
1959-

JO ANN LOUISE TYLER
Instructor in Physical Education
B.S., Mississippi State College for Women, 1956; M.A., The Ohio State University, 1961
1962-

SYLVIA PHILLIPS VANCE
Instructor in Foreign Languages
B.A., Otterbein College, 1947; M.A., The Ohio State University, 1948
1961-

JOANNE FRANCES VANSANT
Associate Professor of Physical Education
B.A., Denison University, 1946; M.A., The Ohio State University, 1952
1948-

NICHOLAS JAMES VIGILANTE
Assistant Professor of Education
B.S., Pennsylvania State University, 1951; M.Ed., Wayne State University, 1956
1958-

*ROBERT ANTHONY WESTRICH
Assistant Professor of Music
B.Mus., Cincinnati Conservatory of Music, 1949; M.Mus., Cincinnati Conservatory of Music, 1950
1952-

**ROGER WILEY
Assistant Professor of Mathematics
B.S., Otterbein College, 1952; M.S., The Ohio State University, 1959
1955-

CLYDE WILLIS
Instructor in Mathematics
B.S., Ohio University, 1949; M.S., Ohio University, 1950
1960-

*On leave, 1963-64
**On Sabbatical leave second semester, 1963-64

Otterbein College

MRS. JEANNE ELEANOR WILLIS
Professor of Biology and Geology
B.S., Ohio University, 1949; M.S., Ohio University, 1950; Ph.D., University of Illinois, 1954
1955-

LENA MAY WILSON
Associate Professor of Foreign Languages
B.A., Wooster College, 1916; M.A., The Ohio State University, 1932
1946-

ELMER WILLIAM YOEST
Assistant Professor of Physical Education and Track Coach
B.S. in Ed., Otterbein College, 1953; M.A., The Ohio State University, 1962
1956-

FRANKLIN MCKINNON YOUNG
Assistant Professor of Education
B.S., Otterbein College, 1926; M.A., The Ohio State University, 1931
1963-

KENNETH LYLE ZARBAUGH
Assistant Professor of Physical Education and Baseball Coach
B.S. in Ed., Otterbein College, 1950
1956-

HONORARY FACULTY

HORACE WILLIAM TROOP
Professor of Economics and Business Administration
B.A., Otterbein College, 1923; M.A., The Ohio State University, 1926; LL.B., The Ohio State University, 1934
1924-1952

GRADUATE ASSISTANTS

JOHN CHESTER MUSTER
Graduate Assistant in Physics
B.A., Otterbein College, 1963
1963-

DEPARTMENTAL ASSISTANTS

REGINA ANNA ELISABETH FEHRENS
Departmental Assistant in Foreign Languages
1962-

FRANCETTE HECKE
Departmental Assistant in Foreign Languages
1963-

CHARLES EDWARD ZECH
Departmental Assistant in Foreign Languages
1963-

DIVISIONAL ORGANIZATION

LANGUAGE AND LITERATURE — ROBERT PRICE, *Chairman*

SCIENCE AND MATHEMATICS — LYLE JORDAN MICHAEL, *Chairman*

SOCIAL STUDIES — HAROLD BELL HANCOCK, *Chairman*

FINE ARTS — LUCIUS LEE SHACKSON, *Chairman*

PROFESSIONAL STUDIES, JOANNE FRANCES VANSANT, *Chairman*

ADMINISTRATIVE OFFICERS

Lynn Warren Turner, Ph.D., LL.D., 1958	*President*
David Asher Waas, Ph.D., 1960	*Dean of the College*
Wade Sellers Miller, B.D., D.D., 1942	*Vice President in Charge of Development*
Sanders Admiral Frye, B.C.E., 1947	*Business Manager*
Floyd Johnson Vance, M.A., LL.D., 1921	*Registrar and Assistant to the President*
Virgil LeRoy Raver, M.A., 1958	*Associate Registrar*
Marion Clement Chase, M.A., 1957	*Dean of Students*
Albert Vernon Horn, B.A., 1952	*Treasurer*
Arthur LeRoy Schultz, M.Ed., 1956	*Director of Church and Alumni Relations*
Joanne Frances VanSant, M.A., 1948	*Dean of Women*
John J. Corkery, M.A., 1962	*Dean of Men*
John Henry Becker, M.S., 1954	*Librarian*
Michael Kish, M.S., 1958	*Director of Admissions*
Elsley Keith Witt, M.Ed., 1960	*Director of Testing and Institutional Research*
Craig Gifford, B.A., 1962	*Director of College Information*
Mable Irene Hershberger, M.A., 1959	*Assistant Librarian*
Alberta Engle MacKenzie, B.S.L.S., 1955	*Assistant Librarian*

ADMINISTRATIVE STAFF

Staff Assistants

Baker, Peter Brumbaugh, Jr., B.A., 1950	*Assistant to the Registrar*
Bale, Evelyn Edwards, B.A., 1961	*Assistant to the Vice President in Charge of Development*
Cromer, Roy F., M.A., 1961	*Technical Sergeant, Air Force ROTC*
Dudley, Raymond E., B.A., 1962	*Assistant Treasurer*
Jacobs, Esther, B.A., 1955	*Assistant Director of Food Service*
Miller, Jennie Shoop, B.A., 1947	*Assistant in the Library*

Moore, Helen E., B.A., 1950	*Assistant to the Dean of Students*
Moreland, Forest Reed, 1947	*Assistant in Office of Business Manager*
Page, Arnold, 1960	*Staff Sergeant, Air Force ROTC*
Pieper, Tennie E., B.A., 1961	*Assistant to the Director of Church and Alumni Relations*
Rheinheimer, Alice Martha, B.S., 1951	*Director of Food Service*
Shackson, Mary Elizabeth, 1949	*Assistant to the Registrar*
Storer, Donald, B.A., 1962	*Assistant to the Dean of the College and Resident Counselor, Men's Quadrangle*

Residence Staff

Bigham, Clara J., 1959	*Head Resident, Clements Hall*
Bookwalter, Mary, 1962	*Head Resident, Saum Hall*
McGee, Esther Axcell, 1960	*Hostess at the Guest House*
Parker, Ralph Thomas, 1962	*Head Resident, Davis Hall*
Rider, Melissa E., 1963	*Head Resident, Cochran Hall*
Stoughton, Marian Mae, 1960	*Head Resident, Hanby Hall*
Weber, Marian, 1962	*Head Resident, King Hall*

Health Center Staff

Botts, Ruth Carolyn, 1960	*Secretary*
Crane, Mildred Leona, R.N., 1948	*Head Nurse*
Jennings, Raymond Leach, M.D., 1949	*College Physician*
Kintigh, Rose Latta, R.N., 1960	*Nurse*
Martin, Lorraine Mogren, R.N., 1963	*Nurse*
Neilson, Charles H., M.D., 1961	*College Physician*
Newland, Harry O., M.D., 1956	*College Physician*
Showalter, Mary Alice, R.N., 1963	*Nurse*
Stout, Walter Marshall, M.D., 1946	*College Physician*

Secretarial Staff

Benton, Edith May, 1961	*Secretary in Student Personnel Office*
Coffee, Cora L., 1959	*Secretary to Music Department*
Crane, Minamarie Marlene, 1960	*Secretary to Dean of the College*
Cupps, Florence Rachel, 1962	*Secretary to Department of Education*
Davis, Millicent Annabelle, 1948	*Secretary to Business Manager*
Deamer, Zena M., 1955	*Secretary to the Faculty and the Assistant to the President*
Headlee, Janeene Frances, 1958	*Secretary to Director of Athletics*
Howard, Patricia, 1961	*Secretary in Registrar's Office*
MacKenzie, Eleanor Merlie, 1956	*Secretary to Vice President in Charge of Development*
Myers, Agnes Clymer, 1956	*Secretary to Director of Admissions*
Perry, Beatrice Helen, 1960	*Payroll Clerk, Treasurer's Office*
Priest, Hazel Miles, 1959	*Secretary to the Associate Registrar*
Rumbaugh, Marcia W., 1962	*Secretary in Development Office*
Skaates, Josephine G., 1954	*Secretary to the President*
Steinmetz, Ethel Shelley, B.A., 1952	*Secretary in Admissions Office*

Degrees Conferred, 1963

BACHELOR OF ARTS

Kathrine M. Ackerman *Sociology, Home Economics* — Miamisburg
Don Ailes *Psychology* — Branford, Conn.
Peter Murray Allaman *Sociology* — Dayton
Larry L. Alspach *History-Government* — Vandalia
Timothy P. Althauser *Business Administration, Economics* — Westerville

Elisabeth Ann Arnold *Physical Education, Education* — Gallipolis
Lois Ann Augenstein *French, English, Education* — Marion
Lois E. Axline *Psychology, Sociology* — Delaware
Marilyn Rae Bamberger *Physical Education, Education* — Canton
Phyllis Ann Barber *Spanish, History, Education* — Columbus
Virginia Elizabeth Barnes *Home Economics, Spanish, Education* — Williamsport

Adelie J. Bence *Psychology* — Beaverdale, Pa.
Jean Davidson Berry *History* — Corona, Calif.
Richard S. Berry, With Distinction, *Division of Social Studies-Government History-Government, Speech* — New Cumberland, Pa.
Alan George Biddle *Business Administration* — Jackson
Mercedes Pauline Blum *English, Education* — Pittsburgh, Pa.
Charlotte Ann Bly *French, Education* — Tiffin
Ray Charles Boll, Jr. *Business Administration* — Columbus
William Smith Borchers *Sociology* — Vandalia
Sylvester Modupe Broderick, Jr. *History-Government, French* — Sierra Leone, West Africa

Emil G. Buchsieb, II *Speech* — Columbus
Harvey Andrews Butler *Comprehensive Social Studies* — Sturbridge, Mass.

Edward G. Case *Comprehensive Social Studies* — Dayton
David Michael Cheek *Economics* — St. Clair Shores, Mich.
Ralph C. Ciampa, With Honors *Comprehensive Social Studies* — Beaverdale, Pa.

Ronald Lee Collins *History-Government, English* — Dover
William Ackley Cotton *French* — Warrensville Heights
Donald C. Cunningham *Business Administration* — Mt. Pleasant, Pa.
Maxine Carolyn Daniels *Sociology* — Sugar Tree Ridge
Martin G. Davis *English, Education* — Hilliard
Sue Ellen Day *English, Education* — Brookville
Thomas E. Dennis *Business Administration* — Galena
Michael A. Donato *History-Government* — Uhrichsville
David L. Drumel *Fine Arts* — Lima
Lewis Michael Duckworth *Spanish, Education* — Mount Vernon
Mary Lee Dudgeon *Sociology* — Gambier

Otterbein College

Richard D. Emmons *Business Administration* Dayton
Martin Luther Franklin *Chemistry, Mathematics* Monroeville, Pa.
Judith Ann Furay *Fine Arts, Home Economics* Yellow Springs
James Lewis Gilts *Applied Music* Findlay
Gordon Bonner Gregg *Speech* Fredericktown
Susan Elaine Gribler *Sociology* Van Wert
William Arthur Guthery *Business Administration* Worthington
Terry M. Hafner *History* Brecksville
Ruth H. Hassell *French, Spanish, English, Education* Westerville
Edmund A. Henn *Physical Education, Education* Brookville
Richard Craig Hohn *Physical Education, English, Education* Dayton
Elizabeth Judy Holman *English, Education* Brookville
Kathy J. Howenstine *Sociology—Psychology* Louisville
Paul Edward Indorf *Comprehensive Social Studies, Education* Dalton
Mace A. Ishida *Physical Education* Columbus
Philip L. Johnson *Comprehensive Social Studies* Westerville
James Mackenzie Kay *Business Administration* Dayton
Mary Lou Keinath *Sociology* Mansfield
Mary Thompson King *Religion* Sycamore
Elaine Koehler *Physical Education, Education* Upper Sandusky
Wesley Edward Kunze *Business Administration* Columbus
Janet Patricia Lacey *English* Newark, Del.
Don LeGrand *Business Administration* Oak Hill
Jeanne Anne Leohner *Elementary Education* Baltimore
Judith Mack Luft *English, Education* Willowick
Marilyn Jo McCorkle *English, Education* Vandalia
James Thomas Marcum, Jr. *English, Education* Ludlow Falls
Donald Ray Martin, II *Speech* Euclid
William Bruce Messmer *History-Government* Dayton
Gerald Lee Miller *History-Government* Dayton
Linda Clippinger Miller *English, Education* Dayton
June Daniels Moore *Sociology* Delaware
John Leslie Moorhead *History-Government* Saint Thomas, Virgin Islands
Susan Magra Morain *French, Spanish, Education* Mount Vernon
Thomas C. Morrison, With Honors *Comprehensive Social Studies* Columbus
David Frank Moser *Business Administration, Economics* Royal Oak, Mich.
Francis E. Murphy *Spanish, Education* Columbus
John C. Muster *Speech* Canton
Nicholas William Nerney *Education* Attleboro, Mass.
William Sims Nowland, II *History-Government* Columbus
Gary Lynn Olin *Comprehensive Social Studies* Salem
Diane Davies Palmer *Spanish* Newcomerstown
Neal R. Palmer *Business Administration* Columbus

Thomas Judge Payne *Biology* — Zanesville
Sigrid Persson *Sociology* — Hamilton
Harold Leroy Pitz *Chemistry, Education* — North Lawrence
Jean Victor Poulard, With Honors *Government* — Epernay, France
William O. Rayburn *Comprehensive Social Studies* — Columbus
Marlin David Reid, Jr. *History-Government* — Dayton
Lewis Ray Rose *Mathematics, Economics* — Canal Winchester
Larry David Roshon *Business Administration* — Westerville
Carol Joyce Shook Rufener *English* — Rittman
Stewart Dale Sanders *Speech* — Columbus
Michael Schadl *Religion* — Cuyahoga Falls
Robert Glenn Schneider *Physical Education, English, Education* — Columbus
Carol Ann Simmons Shackson, With Honors *Psychology* — Akron
Thomas E. Sharp *Speech* — Overland Park, Kan.
Mary Ann Showalter *Sociology* — Lancaster
Richard Vernon Snelling *Physical Education, Education* — Newark
Nancy Ruth Staats *English, Education* — New York, N.Y.
Anthony Russell Stoddard *History* — Woodbridge, Conn.
Thomas Bennett Studebaker *English* — Columbus
David Ward Surface *Education* — Dayton
James Robert Thomas *Comprehensive Social Studies, Spanish, Education* — Dayton
Robert Lowell Thomas *Business Administration, Economics* — Strasburg
William W. Titley *Sociology, Education* — Barberton
Harvey Edgar Vance, Jr. *Physical Education, English, Education* — Columbus
Robert Benton Werner *Sociology* — Dayton
Sandra J. Wilson *Education* — Akron
Herbert Murray Wood, Jr. *English* — Eastchester, N.Y.
Robert Leslie Work *Sociology* — Connellsville, Pa.

BACHELOR OF SCIENCE

Laddie Frank Bowman *Mathematics* — Columbus
Ronald Kelly Boyer *Mathematics, Education* — Utica
Ralph Davies Brehm *Mathematics* — Westerville
Jon Albert Doughty *Mathematics, Physics, Education* — Galena
Martin Luther Franklin *Chemistry, Mathematics* — Monroeville, Pa.
George Richard Gartrell *Mathematics* — Barberton
Sharon Rae Hept *Mathematics, Education* — Vandalia
Tony E. Hugli *Chemistry* — Logan
Imodale Lesana Kelfa-Caulker *Biology* — Sierra Leone, West Africa
Douglas Reid Knight *Chemistry* — Columbus

Otterbein College

Craig A. Marquet *Chemistry* — Amherst
Thomas Richard Martin *Chemistry* — Lorain
Michael Eugene Murphy *Mathematics, Physics* — Springfield
Howard Baker Newton *Mathematics* — Westerville
Carleton P. Purdey *Mathematics* — Corry, Pa.
Roger L. Seelig *Chemistry* — Columbus
Jack Lee Speakman *Biology* — Columbus
Sharon Lynn Speelman, With Honors *Mathematics, Education* — Dayton
John W. Stinson *Mathematics* — Cincinnati
Mary Jeannette Weishner *Biology, Education* — Canonsburg, Pa.
Daniel G. Wherley *Chemistry* — Stone Creek
Robert Franklin Zech *Chemistry* — Ponce, Puerto Rico

BACHELOR OF SCIENCE IN EDUCATION

Roger Lee Allison *Physical Education, Education* — Springfield
Mary Grace Barnes *Elementary Education* — Mount Sterling
Virginia Elizabeth Barnes *Home Economics, Spanish, Education* — Williamsport
Richard Trimble Bennett *Physics, Education* — Columbus
Andrea Ellen Brown *Elementary Education* — Dayton
Saundra Armstrong Cassell *Elementary Education* — Columbus
Robert F. Cline, Jr. *Physical Education, Education* — Westerville
Mary Alice Cole *Home Economics, Education* — Tiro
Wilma Kay Daugherty *Elementary Education* — New Paris
Cynthia Gertrude Donnell *Elementary Education* — Toledo
Nancy Raymond Douglass *Elementary Education* — Chagrin Falls
Iva Hemp English *Elementary Education* — Worthington
Marie Helen Fast *Elementary Education* — Haviland
Christine Ann Fetter *Elementary Education* — Richwood
Marjorie Diane Fichner *Elementary Education* — London
Mary Ann Floyd *Elementary Education* — Cincinnati
Richard D. Freeborn *Physical Education, Education* — Gibsonburg
Norma Kay Froelich *Elementary Education* — Navarre
David R. Gordon *Physical Education, Education* — Springfield
Doris Jean Gorsuch *Home Economics, Education* — Dayton
Marilyn Lavonne Gorsuch *Elementary Education* — Dayton
Richard L. Graf *Sociology-Psychology, Education* — Columbus
Susan Ann Hafner *Speech, Education* — Horsham, Pa.
Donna Griffith Hale *Elementary Education* — Galena
Kenneth Lee Hall *Speech, Education* — Parma
Nancy H. Harnar *Home Economics, Education* — Akron
Richard Warren Heck *Elementary Education* — Columbus
Connie Kay Hellwarth *Elementary Education* — Celina

Madeleine Somes Hill *Elementary Education* Mount Vernon
Arlene Donna Huff *Education* Sidman, Pa.
Caroline Kaderly *Home Economics, Education* Galloway
Janet R. Knecht *Elementary Education* Bryan
Marilyn Jane Lindner *Elementary Education* Mount Gilead
Letha Howard Little *Elementary Education* Prestonsburg, Ky.
William E. McDonald *Comprehensive Social Studies, Education* Mansfield
Linda Suzanne McVay *Elementary Education* Hilliard
Judith Ann Milthaler *Elementary Education* Dayton
Rebecca Stiverson Neill *Elementary Education* Enterprise
Barbara Sue Parker *Speech, Education* Wooster
Richard Alan Rhoades *Speech, Education* Urbana
Jean Anne Riffer *Elementary Education* Wilmot
Stephanie Ann Robertson *Elementary Education* Coshocton
Lucy Ann Schiffer *Elementary Education* Tiffin
Robert Glenn Schneider *Physical Education, English, Education* Columbus
Karen Elaine Sherbine *Elementary Education* Wilmore, Pa.
Martha Kay Slack *Elementary Education* Westerville
Noralee Wade Smith *Elementary Education* Columbus
Norma Kathleen Smith *Elementary Education* Ashland
Carol Jo Snyder *Elementary Education* Dayton
Darlene Marie Stoffer, With Honors *Elementary Education,* Mansfield
Rancie Bilbrey Titley *Home Economics, Education* Dayton
Brenda K. Wilson *Physical Education, Education* Lebanon
Kay Thornhill Wilson *Elementary Education* Plain City
Larry Leroy Wilson *Physical Education, History, Education* Westerville
Susan Allaman Wright *Home Economics, Education* Dayton

BACHELOR OF MUSIC EDUCATION

Ronald Alan Cox *Music Education* Trotwood
Gary E. Delk *Music Education* Arcanum
James S. Gallagher *Music Education* Apollo, Pa.
Joel A. Mathias *Music Education* Enterprise

With Distinction—A candidate who has satisfactorily completed an approved program of independent study and research, who has submitted a thesis, and has passed written and oral examinations on the field studied, is graduated "With Distinction."
With Honors—Candidates graduating "With Honors" are those who have earned a cumulative point average of 3.7 or more. They are distinguished by the wearing of a cardinal Fourragere.

Otterbein College

DEPARTMENTAL HONORS

Peter Murray Allaman	*Sociology*
Richard Trimble Bennett	*Education*
Charlotte Ann Bly	*French*
Ralph C. Ciampa	*Comprehensive Social Studies*
Martin Luther Franklin	*Mathematics*
Ruth H. Hassell	*French*
Sharon Rae Hept	*Mathematics*
Janet Patricia Lacey	*English*
Susan Magra Morain	*Spanish*
Thomas C. Morrison	*Comprehensive Social Studies*
David Frank Moser	*Business Administration, Economics*
John C. Muster	*Speech*
Sharon Lynn Speelman	*Mathematics, Education*
Darlene Marie Stoffer	*Elementary Education*

Departmental Honors—Seniors who have a cumulative point average of 3.8 or more in their major fields are graduated with "Departmental Honors." They are distinguished by the wearing of a tan Fourragere.

HONORARY DEGREES

DOCTOR OF DIVINITY

The Reverend Stanley H. Forkner, B.A., B.D.
Director of Conference Program and Christian Education
Michigan Conference, Evangelical United Brethren Church
Lansing, Michigan

DOCTOR OF LAWS

Elmer N. Funkhouser, Jr., B.S., M.B.A.
Vice President, American Metal Climax, Inc.
New York, New York

Herman F. Lehman, B.S.
Vice President, General Motors Corporation, and
General Manager, Frigidaire Division
Dayton, Ohio

Colonel William C. Lindley, B.A.
Commandant, Air Force Reserve Officers Training Corps
Maxwell Air Force Base, Montgomery, Alabama

DOCTOR OF LITERATURE

Emerson C. Shuck, B.S., M.A., Ph.D.
Vice President for Academic Affairs
Ohio Wesleyan University
Delaware, Ohio

CANDIDATES FOR COMMISSION IN THE UNITED STATES AIR FORCE RESERVE

Peter Murray Allaman	Dayton
Roger Lee Allison	Springfield
Harvey Andrews Butler	Sturbridge, Mass.
Edward G. Case	Dayton
Donald C. Cunningham	Mt. Pleasant, Pa.
Richard D. Emmons	Dayton
Richard D. Freeborn	Gibsonburg
Edmond A. Henn	Brookville
Mace A. Ishida	Columbus
John Leslie Moorhead	Saint Thomas, Virgin Islands
Thomas C. Morrison	Columbus
Howard Baker Newton	Westerville
William Sims Nowland, II	Columbus
Thomas Judge Payne	Zanesville
Marlin David Reid, Jr.	Dayton
Lewis Ray Rose	Canal Winchester
Larry David Roshon	Westerville

SUMMARY OF STUDENTS, 1962-1963

FULL TIME:	
Seniors	218
Juniors	263
Sophomores	371
Freshmen	394
Total	1246
SPECIALS	226
MUSIC	346
Total	1818
Names Repeated	321
Net Total	1497
	157

Otterbein College

COLLEGE CLASSES:	
Men	710
Women	536
Total	1246
TOTAL ENROLLMENT:	
Men	814
Women	683
Total	1497

DENOMINATIONS

Evangelical United Brethren	495	Mennonite	2
Methodist	341	Nazarene	2
Presbyterian	180	Quaker	2
United Church of Christ	89	Seventh Day Adventist	2
Catholic	80	Universalist	2
Lutheran	72	Apostolic Christian	1
Episcopalian	53	Assembly of God	1
Baptist	48	Brethren	1
No Church Affiliation	44	Christian Union	1
Jewish	17	Dunkard Brethren	1
Community	12	Dutch Reformed	1
Christian	7	Evangelical Covenant	1
Christian Science	6	First Christian	1
Church of the Brethren	5	Hindu	1
Church of God	3	Independent	1
Disciples of Christ	3	Moslem	1
Greek Orthodox	3	Reformed Church in America	1
Latter Day Saints	3	Unity	1
Unitarian	3	Wesleyan Methodist	1
Anglican	2		
Christian and Missionary Alliance	2		1497

STATES AND COUNTIES

OHIO

Franklin	458	Summit	35
Montgomery	108	Licking	31
Delaware	69	Knox	25
Cuyahoga	57	Wayne	19
Stark	46	Hamilton	17

158

Butler	15	Allen	3
Richland	15	Erie	3
Fairfield	13	Hardin	3
Tuscarawas	13	Henry	3
Lorain	12	Huron	3
Lake	11	Jackson	3
Lucas	11	Portage	3
Crawford	10	Ross	3
Muskingum	10	Sandusky	3
Pickaway	10	Williams	3
Champaign	9	Coshocton	2
Darke	9	Fayette	2
Marion	9	Geauga	2
Ashland	8	Highland	2
Preble	8	Meigs	2
Greene	7	Miami	2
Scioto	7	Putnam	2
Warren	7	Ross	2
Hocking	6	Fulton	1
Seneca	6	Gallia	1
Wyandotte	6	Guernsey	1
Clark	5	Holmes	1
Ashtabula	5	Jefferson	1
Columbiana	5	Kent	1
Hancock	5	Lawrence	1
Medina	5	Madison	1
Morrow	5	Mercer	1
Union	5	Ottawa	1
Wood	5	Paulding	1
Madison	4	Shelby	1
Mahoning	4	Washington	1
Perry	4		
Trumbull	4		
Van Wert	4	Total	1186

PENNSYLVANIA

Allegheny	35	Bucks	2
Westmoreland	28	Delaware	2
Fayette	16	Montgomery	2
Cambria	14	Venango	2
Erie	4	Washington	2
Beaver	3	Armstrong	1
Berks	3	Butler	1
Columbiana	3	Columbia	1
Warren	3	Crawford	1
Blair	2	Huntingdon	1
			159

Otterbein College

Indiana	1	York	1
Lebanon	1		
Mifflin	1		
Somerset	1	Total	131

NEW YORK

Monroe	6	Long Island	2
New York	5	Bronx	1
Suffolk	5	Genesee	1
Erie	4	Richmond	1
Nassau	4	Seneca	1
Queens	4	Warren	1
Westchester	3		
Kings	2	Total	40

NEW JERSEY

Bergen	6	Hudson	1
Union	4	Middlesex	1
Essex	3	Morris	1
Somerset	3	Ocean	1
Camden	2	Plainfield	1
Monmouth	2		
Sussex	2		
Burlington	1	Total	28

CONNECTICUT

Fairfield	14	New London	1
New Haven	9		
Hartford	1	Total	27

MASSACHUSETTS

Suffolk	4	Worchester	2
Hampshire	3	Hampden	1
Bristol	2		
Middlesex	2	Total	14

FLORIDA

Pinellas	2	Palm Beach	1
Sarasota	2	West Palm Beach	1
Alachua	1	Hillsborough	1
Broward	1		
Orange	1	Total	10

160

WEST VIRGINIA	
Kanawha	4
Hancock	1
Marion	1
Monongalia	1
Monongahela	1
Total	8
MICHIGAN	
Oakland	2
Washtenaw	2
Barrien	1
Macomb	1
Monroe	1
Total	7
MARYLAND	
Baltimore	3
Ann Arundel	1
Talbot	1
Total	5
DELAWARE	
Kent	2
New Castle	2
Total	4
ILLINOIS	
Cook	2
DuPage	1
McHenry	1
Total	4
INDIANA	
Allen	1
Harrison	1
Marian	1
Total	3
NEW MEXICO	
Santa Fe	2
Rio Arriba	1
Total	3
VIRGINIA	
Fairfax	2
Lancaster	1
Total	3
CALIFORNIA	
Los Angeles	1
San Diego	1
Total	2
KANSAS	
Johnson	1
Celina	1
Total	2
KENTUCKY	
Bell	1
Floyd	1
Total	2
COLORADO	
El Paso	1
NEW HAMPSHIRE	
Strafford	1
OKLAHOMA	
Oklahoma	1
TENNESSEE	
Knox	1
	161

Otterbein College

STATE	NUMBER
Ohio	1186
Pennsylvania	131
New York	40
New Jersey	28
Connecticut	27
Massachusetts	14
Florida	10
West Virginia	8
Michigan	7
Maryland	5
Delaware	4
Illinois	4
Indiana	3
New Mexico	3
Virginia	3
California	2
Kansas	2
Kentucky	2
Colorado	1
New Hampshire	1
Oklahoma	1
Tennessee	1
Total	1483

COUNTRY	
West Africa	5
Canal Zone	2
Japan	2
France	1
Germany	1
India	1
Iran	1
Virgin Islands	1
Total	14
Total States and Countries	1497

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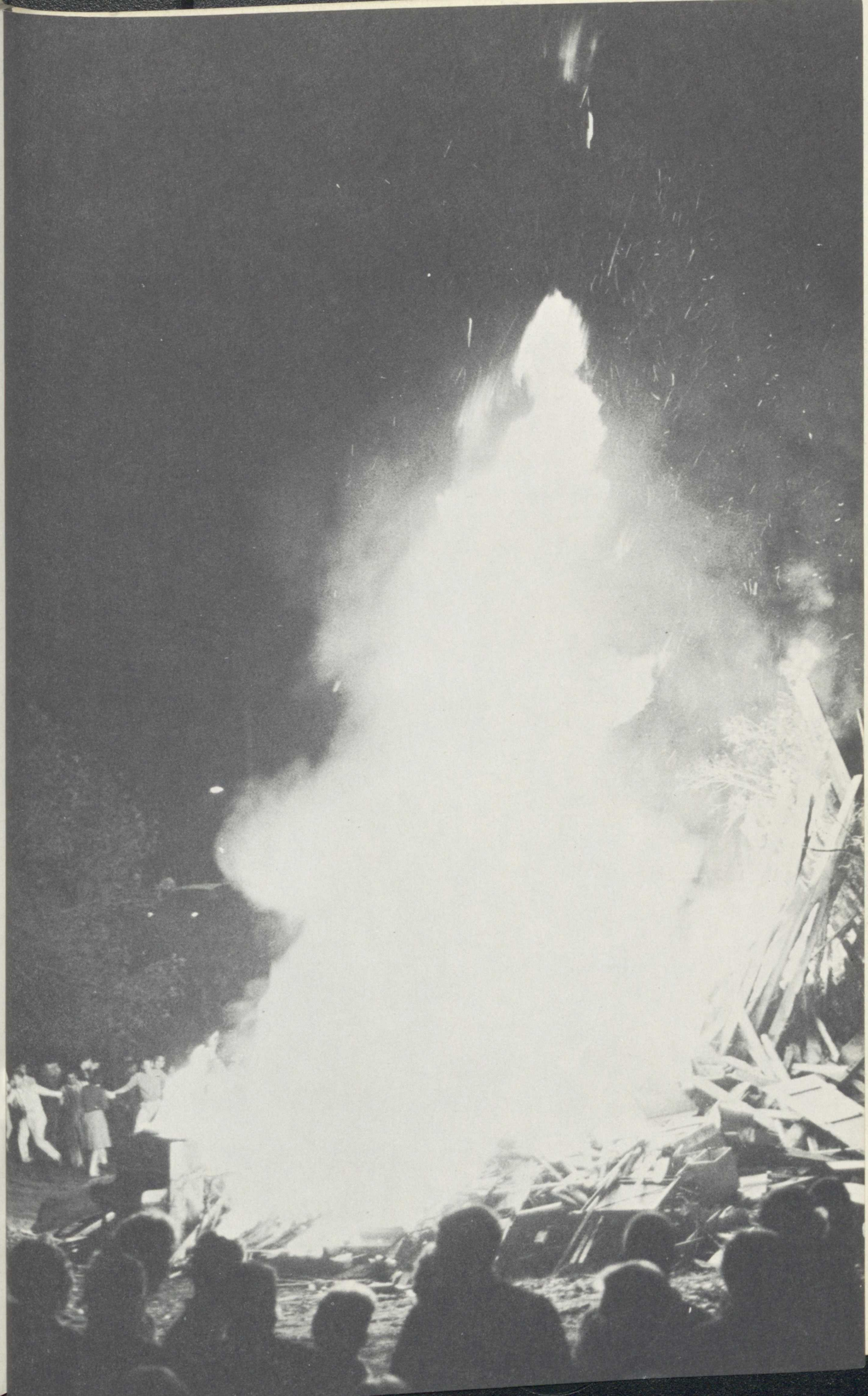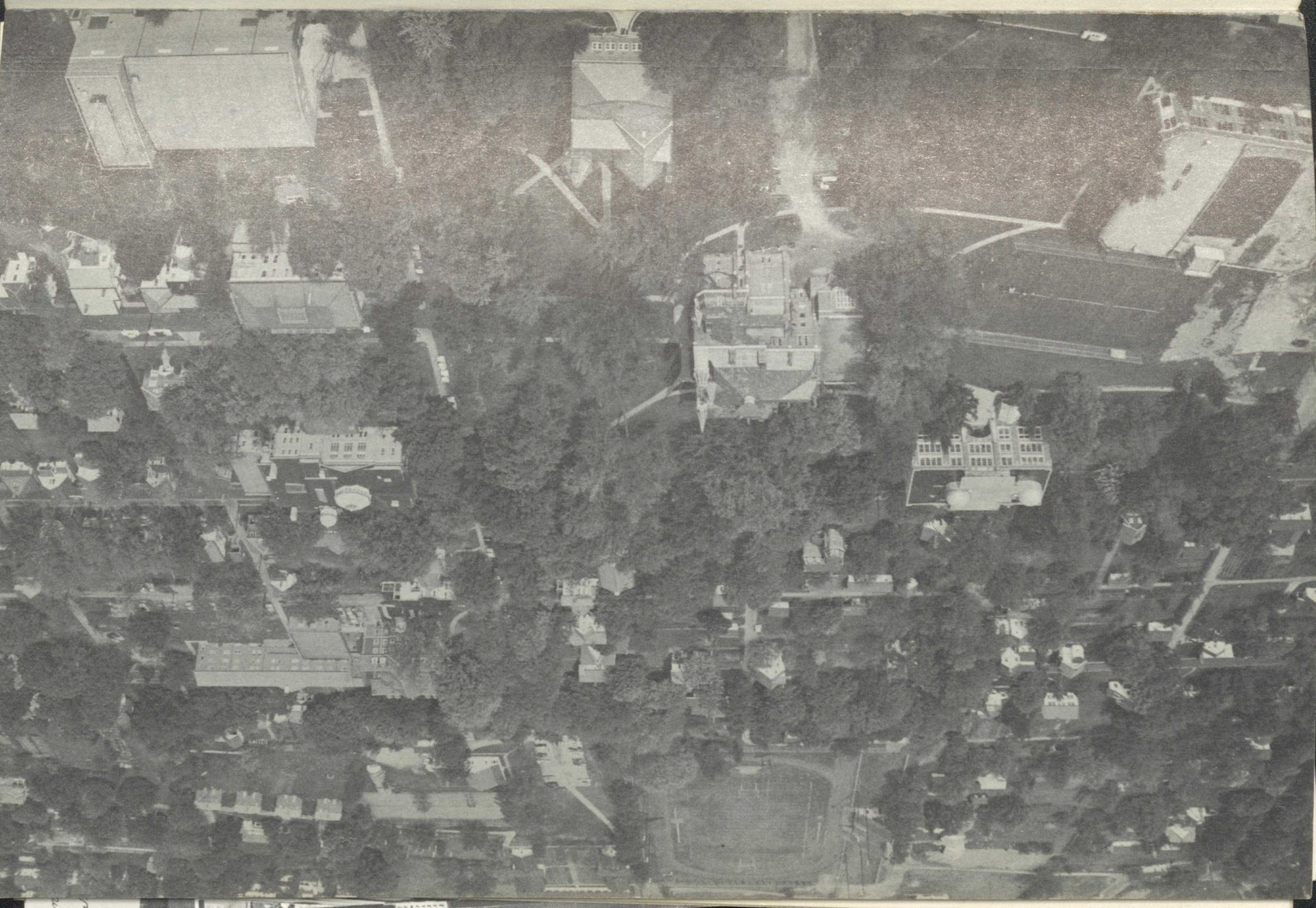
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