

Business Office

McPHERSON COLLEGE

Catalog Issue
BULLETIN

1957-1958



KLINN
HALL

SHARP
HALL

FORNEY
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HALL

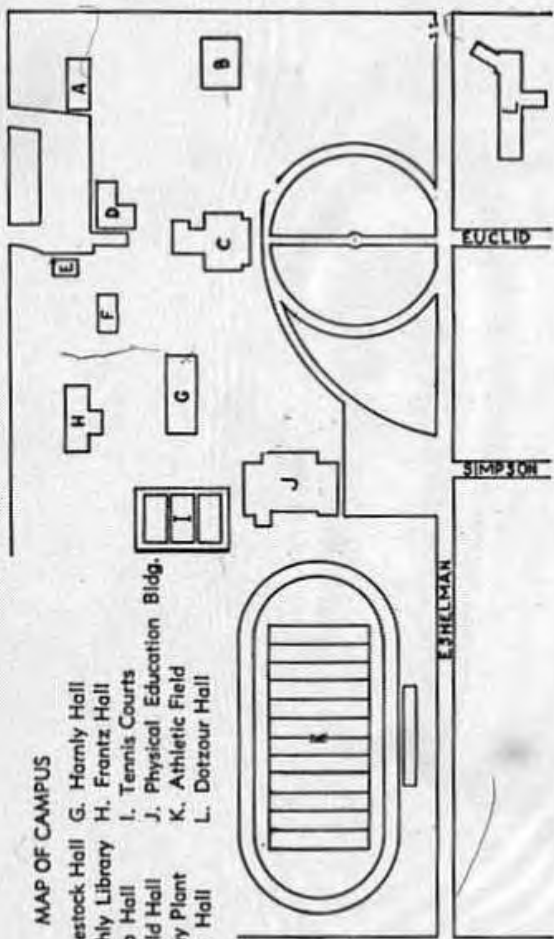
FARMSTOCK
HALL

BECHTEL
LIBRARY

COLLINS
CHURCH

MAP OF CAMPUS

- A. Fahnestock Hall
- B. Beeghly Library
- C. Sharp Hall
- D. Arnold Hall
- E. Forney Plant
- F. Kline Hall
- G. Harnly Hall
- H. Frantz Hall
- I. Tennis Courts
- J. Physical Education Bldg.
- K. Athletic Field
- L. Dotzour Hall



McPHERSON COLLEGE

BULLETIN



Life and Light--John 1:4

CATALOG NUMBER

Vol. 46

APRIL, 1957

No. 9

Published twelve times a year or less by McPherson College at McPherson, Kansas. Entered as second class matter February 16, 1912, at the Postoffice of McPherson, Kansas, under act of July 16, 1894.

Greetings From The President:



Dear Student,

We are pleased to tell you about McPherson College. Should you decide to make McPherson your college home we will welcome you heartily and will seek to help you become a growing, adjusted, happy, helpful member of the "McPherson College Family."

We believe that an education at McPherson College will enrich and give meaning to your life, strengthen and enrich your personality, widen and deepen your knowledge, multiply your friendships, enlarge your Christian concepts and be generally helpful to you.

If this catalog does not answer all of your questions do not hesitate to write further to the President, the Dean, or the Office of Admissions. May God bless you.

D. W. Bittinger, President

Academic Calendar

1957-58

- May 28—Tuesday, 8 a. m., Enrollment for 1957 Workshops.
- May 28—Tuesday, 9 a. m., Workshops convene.
- June 1—Saturday, 12 noon, Workshops close.
- May 31, June 1—Friday and Saturday, Enrollment for Summer Sessions.
- June 3—Monday, 7:40 a. m., Summer classes convene.
- July 4—Thursday, Holiday recess.
- July 31—Wednesday, noon, Summer Session closes.
- September 6—Friday, 5 p. m., Faculty Retreat.
- September 9-11—Monday through Wednesday, Freshman Orientation and Enrollment.
- September 9-11—Monday through Wednesday, Enrollment for upper classes.
- September 12—Thursday, 7:45 a. m., Classes convene.
- September 13—Friday, 9:35 a. m., Opening address.
- November 27—Wednesday, 5 p. m., Thanksgiving recess begins.
- December 2—Monday, 7:45 a. m., Thanksgiving recess ends.
- December 20—Friday, 5 p. m., Christmas recess begins.
- January 6—Monday, 7:45 a. m., Christmas recess ends.
- January 13-17, Monday through Friday, Enrollment for second semester.
- January 20-23—Monday through Thursday, Final examinations for first semester.
- January 24—Friday, Enrollment for new students only.
- January 27—Monday, 7:45 a. m., Classes convene.
- March 28—Friday, 5 p. m., Easter recess begins.
- April 8, Tuesday, 7:45 a. m., Easter recess ends.
- May 10—Friday, All Schools Day.
- May 27-30—Tuesday through Friday, Final Examinations.
- May 31—Saturday, 5:30 p. m., Alumni Banquet.
- June 1—Sunday, 10:45 a. m., Baccalaureate.
- June 1—Sunday, 7:30 p. m., Commencement.
- June 3—Tuesday, 8 a. m., Enrollment for 1958 Summer Session.

Academic Calendar

1958-1959

- June 3—Tuesday, 8 a. m., Enrollment for 1958 Summer Session.
June 4—Wednesday, 7:40 a. m., Summer Session classes convene.
July 4—Friday, Holiday recess.
July 31—Thursday, noon, Summer Session closes.
September 5—Friday, 5 p. m., Faculty Retreat.
September 8-10—Monday through Wednesday, Freshman orientation and enrollment.
September 8-10 —Monday through Wednesday, Enrollment of upper classes.
September 11—Thursday, 7:45 a. m., Classes convene.
September 12—Friday, 9:35 a. m., Opening address.
November 26—Wednesday, 5 p. m., Thanksgiving recess begins.
December 1—Monday, 7:45 a. m., Thanksgiving recess ends.
December 19—Friday, 5 p. m., Christmas recess begins.
January 5—Monday, 7:45 a. m., Christmas recess ends.
January 12-16—Monday through Friday, Enrollment for second semester.
January 19-22—Monday through Thursday, Final examinations for first semester.
January 23—Friday, Enrollment for second semester—new students.
January 26—Monday, 7:45 a. m., Classes convene.
March 20—Friday, 5 p. m., Easter recess begins.
March 31—Tuesday, 7:45 a. m., Easter recess ends.
May 16—Friday, All Schools Day.
May 26-29—Tuesday through Friday, Final examinations.
May 30—Saturday, 6:30 a. m., Alumni Banquet.
May 31—Sunday, 10:45 a. m., Baccalaureate.
May 31—Sunday, 7:30 p. m., Commencement.
June 2—Tuesday, 8 a. m., Enrollment for 1959 Summer Session.

1957 CALENDAR 1957

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1958 CALENDAR 1958

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1959 CALENDAR 1959

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I. General Information

McPherson in Brief

McPherson College was founded in 1887. It is sponsored by the Church of the Brethren, but is open to all.

McPherson College aims to offer a thorough Christian, liberal arts education. Included in this are pre-professional offerings in the major professions, teacher preparation for both elementary and secondary education, industrial arts, rural life, music, physical education, and many other preparations.

McPherson College enrolls from 400 to 500 students. It has dormitories for men and women and apartments for married couples.

Accreditation

McPherson College is fully accredited by the North Central Association of Colleges and Secondary Schools, State Department of Education in Kansas, and by the University of Kansas. It is a member of the National Commission on Accrediting, the American Association of Colleges for Teacher Education, the American Council on Education, and the Conference of Church Related Colleges.

McPherson College grants the Bachelor of Arts and the Bachelor of Science degrees.

The tuition at McPherson College is \$15 per semester hour. Rooms cost from \$55 to \$70 per semester, and board is by cafeteria. Total costs range from \$900 to \$1000 per year for a full time student.

Purpose and Aims

McPherson College is a liberal arts college operated under the auspices of the Church of the Brethren. While it is owned by the members of the Church of the Brethren in the Western Region it is pleased to open its doors without discriminations of any kind to all who come.

It annually enrolls students from more than half of the states of our country and from many overseas countries. It seeks particularly, however, to serve the Church of the Brethren constituency in the Western Region and students generally in the state of Kansas and in the McPherson area.

A LIBERAL EDUCATION

A liberal education focuses its attention on the individual student. It interests itself in his relation to society and undertakes to help prepare him to live well in all his relationships. It seeks to help him to learn what the good life is and how to achieve it for himself; it aims to give him both breadth and depth of human understanding; it interests itself in making of the student a good citizen; it seeks to give him backgrounds of understanding and to help him build a philosophy of life which will undergird him for his vocation or profession.

As an outcome of liberal education the college seeks to develop in its graduates: (1) a measure of scholarly attainments, (2) some mastery of the techniques and tools of further learning, (3) the ability to think clearly, logically, and critically, (4) growth in the direction of more profound insights, (5) finer moral discernments and aesthetic sensitivities, and (6) a loyalty to truth in all realms of life.

To do this McPherson College offers to the student education in the major fields of human experience: the arts, the natural sciences, the social sciences, philosophy, and religion. Breadth of outlook is developed by requiring the student to survey in a general way the various large fields of knowledge, chiefly during the early years of his course. Depth and intensity of understanding is assured by requiring the student to select some field in which he expects to do intensive work.

RELIGIOUS DEVELOPMENT

McPherson College is a Christian college. As such it aims (1) to lead students to an intelligent understanding of the basic doctrines of the Christian religion, (2) to lead them into a Christian outlook on the universe, (3) to help them develop a Christian philosophy of life and to deepen their devotional lives, (4) to teach the ethical ideals of the Christian religion, and (6) to inspire students to Christlike living.

Toward the achievement of these ends the college employs men and women as teachers and administrators who are themselves Christian. It offers courses in the Bible, church history, ethics, philosophy, and comparative religion which provide the intellectual foundation for the Christian faith. It conducts worship programs in the chapel and elsewhere cooperates with the church in promoting the devotional life. It promotes student Christian organizations, brings to the campus religious leaders for addresses and conferences, and through personal contacts and guidance it seeks to be of help in developing the religious life of every student.

PROFESSIONAL EDUCATION

Every student of McPherson College is urged early in his college career to develop a professional or occupational direction and to build a program of studies including liberal arts courses which will enable him to attain his goal in the most effective manner.

McPherson College recognizes that to prepare students for teaching is one of its important functions since a majority of its graduates qualify for teaching certificates. The education department assisted by all other departments prepares students for certification to teach in both elementary and secondary fields.

In its rural life emphasis the college seeks to prepare both men and women for efficient and progressive farm life and for significant rural leadership.

The college provides certain other courses that may be regarded as more distinctly professional or occupational. Among these are courses in home economics, industrial arts, business administration, stenography, music, and art.

PERSONAL DEVELOPMENT

Because life is integral, it is important that education should teach all of life. A cultivated mind should be supported by a sound body; a student should achieve social competence, a sense of social responsibility, and growth in personal character. These should lead into commitments for Christian homebuilding and Christian vocation.

Health, Physical Education, Athletics, Recreation: It is the aim of the college to assist the student in developing himself physically and socially through a program of physical education, recreation, and athletics. Guided by physical examination and the student's individual interest, an effort is made to get each student to participate in some form of intercollegiate or intramural sport for the purpose of both physical and social development and adaptation. Special instruction is offered in individual and group sports and in recreation. Instruction is given also in physiology, individual health and family health. A program of intercollegiate athletics is sponsored as an integral part of the college program. It seeks to aid in the physical and social development of those who participate, and to cultivate, both in the participants and in the entire school, a sense of fair sportsmanship, fair play, and wholesome competitiveness. The physical education and athletic program contributes also to an occupational aim in that it helps to prepare teachers of physical education and to train coaches. Our ultimate aim in this area is to produce better citizens rather than super athletes.

Social Competence: Since the happiness and effectiveness of the individual is affected by his social competence, the college seeks to aid students to overcome social handicaps through general instruction, personal conferences, and opportunities for social participation in varied activities.

Social Responsibility: It is the aim of the college to create within its students a sense of social obligation and of social concern for the welfare of humanity. The whole life of the college is permeated with the Christian ideal of service as the worthiest aspiration as well as the

deepest source of satisfaction in life. Courses in religion and the humanities especially tend to strengthen this purpose. The records of many of its graduates inspire to that purpose.

Personal Character: The college seeks to develop within its students and graduates the desire for upright and unselfish living. Poise, self-control, self discipline, a well ordered life, devotion to truth, beauty, and goodness are personal ideals upheld in classroom and chapel. Personal growth comes only if there is opportunity to practice and develop talent; McPherson College offers a well-rounded program that affords students ample opportunity for participation.

Christian Vocation: The college seeks to lead its students to make vocational commitments for the general betterment of our society and of the world. It seeks to assist them to carry into whatever occupation they choose an earnest desire to make that vocation a significant avenue of Christian service to their fellowmen.

Christian Homemaking: The college seeks to undergird the Christian home as one of the main bulwarks of a Christian society. It offers courses designed to help students build homes which are strong aesthetically, economically, and spiritually.

Material Equipment

SHARP HALL is the oldest building on the campus. It houses the administrative offices, chapel, student union room, regional office, snack room, book store, little theater, commercial hall, and several classrooms. It stands conspicuously at the head of the circle drive and dominates the campus with its three stories and tower.

HARNLY HALL is a four-floor edifice. All of the science departments, including Home Economics, are housed in this commodious structure, as are also the departments of Philosophy and Religion, Music, Modern Languages, Social Sciences, and the Museum.

THE BEECHLY LIBRARY: The original library was a two-floor building erected in 1906, as a gift of Mr. Andrew Carnegie. The library is well equipped with a valuable store of books, arranged in accessible stacks according to the Dewey decimal classification. New additions are carefully selected each year, thus keeping the collections up to date and suited to curricular needs. Recently the library has undergone complete renovation and reconstruction through the generous aid of Milford J. Beechly of Iowa.

ARNOLD HALL, erected in 1916 is a substantial, four-floor men's dormitory. It contains cafeteria facilities, two reception rooms, houseparents' apartment, and room for sixty-six men.

FAHNESTOCK HALL is another men's dormitory. It contains an apartment for the houseparents and rooms for sixty men. The ward-

robes and dressers are built into the walls. The heat is furnished by an individual gas unit, and the building is of fireproof construction. The second floor contains a student lounge.

KLINE HALL is a three-floor brick building containing eight suites of two rooms and bath for married students, and nine single rooms for unmarried students.

ROYER AND EDNA DOTZOUR HALL is a commodious women's dormitory with facilities for one hundred and eight girls. It has generous lounge accommodations, spacious and well lighted rooms, and a large recreation room with laundry equipment and some cooking and refrigeration equipment. A guest room and housemother's apartment are included in the building. Its modernistic and functional architecture has set a pattern for other dormitories.

This dormitory is the gift of Royer and Edna Dotzour of Colorado and Kansas.

THE PHYSICAL EDUCATION AND HEALTH BUILDING has offices, a classroom, a game room, showers, dressing rooms, and a large, well lighted gymnasium with hardwood floor and good equipment.

This modern, physical education building offers excellent opportunity for a thorough program of physical and health education for all students.

THE FRANTZ INDUSTRIAL ARTS BUILDING was named in honor of the Frantzes who have attended McPherson College and who largely financed its construction. This building is of stone construction and is equipped with tools for cabinet making, welding, turning, machine work, and general and craft shop work.

THE J. C. DELL KURAL LIFE LABORATORY, also a stone structure, is connected to the Frantz Industrial Arts Building. It serves as a laboratory building for rural life and farm shop courses. Tractors, combines, and other modern implements can be worked on in this building. It was made possible mainly through the generous help of J. C. Dell of Nebraska.

VANIMAN HALL: The spacious, three-story home of the F. A. Vaniman was given to the college by the Vaniman heirs. It has been made into a fine-arts hall. Here the painting and ceramic arts can be adequately taught in beautiful surroundings. As needed, it may also be used as a scholarship hall, or dormitory for girls, or have other uses.

THE PRESIDENT'S HOME: A lovely home for the President of the college was given to the college by the Heaston heirs. It gives opportunity for comfortable living to the President's family. It also has become the place where hundreds of students meet in groups or with the President's family for discussions, socials, and counseling.

THE FORNEY HEATING PLANT, a brick heating structure, is named for F. W. Forney who served the college faithfully for many years as Caretaker and Superintendent of Buildings and Grounds. This building contains automatic washers and a dryer for the convenience of students.

THE MUSEUM: McPherson College possesses an excellent college museum. The collections include rare and valuable fossils, Indian artifacts, varied flora and fauna, and many valuable meteorites, besides a very large number of historic displays. It is housed on the fourth floor of Harnly Hall.

THE ATHLETIC FIELD is located in the north part of the campus and is composed of a well drained, Bermuda grassed football gridiron, a quarter mile track, and available space for playground ball, soccer, archery, and many other group games. The field is equipped with a splendid lighting system for night football games, track, and field meets. A modern and well equipped stadium of steel and concrete block construction provides seating for about 4,000 spectators. Three concrete tennis courts are also provided.

THE COLLEGE FARM: One of the finest farms in the McPherson area is operated as a demonstration farm for the rural life courses. It consists of 240 acres and has on it two complete sets of farm buildings. It has a deep irrigation well and is ditched for gravity irrigation. The Director of Rural Life lives on the farm, together with some rural life boys who help with the work of the farm.

THE BIOLOGY LABORATORIES of McPherson College are exceptionally well equipped. The equipment is modern and up to date. Some of the more expensive pieces consist of the following: thirty-one compound microscopes, several with oil immersion lenses, two microprojectors, rotary and sliding microtomes, sphygmomanometer, stethoscopes, balopticon, sterilizer, two electric incubators, balances, a number of splendid mounted skeletons, including a human, numerous Jewel and other models for both animal and plant forms, human torso and head model, projectors for 2" x 2" and 3 1/2" x 4" slides, also access to a movie projector. Hundreds of microscopic, kodachrome, and other slides are owned by the department.

The department owns a library that is available to students at all times. The laboratory tables are lighted with fluorescent lights and provide excellent facilities for work. Numerous charts and preserved specimens of both plant and animal forms are available for demonstration and class use.

THE DEPARTMENT OF CHEMISTRY occupies the first floor of Harnly Hall. The laboratories are modern in service facilities and equipment and have accommodations for 118 students in freshman chemistry and

52 students in advanced courses. In addition, there is a private laboratory for conducting research projects. Laboratory equipment includes such items as water, gas and electrical connections, fume hoods, centrifuges, analytical balances, ovens, and physical chemistry apparatus. The departmental lecture hall seats 140 students and the classroom, 25 students. The department possesses an excellent chemical library donated by Dr. J. W. Hershey, whose work on synthetic diamonds in these laboratories is well known.

THE GEOLOGY DEPARTMENT possesses a complete set of crystal models imported from Germany and a collection of minerals, rocks, and fossils, sufficient to illustrate the fundamentals of the science. The collections are especially rich in local minerals, rocks, and fossils.

THE HOME ECONOMICS DEPARTMENT is equipped for general class and laboratory work. The courses of instruction are planned to meet the needs of those who desire a knowledge of the facts and general principles of home economics, and who wish to major in home economics for the purpose of teaching the subject in the secondary schools; those who wish to do home demonstration work; and those who wish to prepare to do graduate work in special fields. Courses are also planned to meet the needs of those who desire to become expert homemakers, and situations are set up in which the students get practical experience in this phase of the work.

THE INDUSTRIAL ARTS DEPARTMENT is housed in the Frantz Industrial Arts Building. A new addition to the building provides laboratory space for the Rural Life Program.

The curriculum of instruction is planned to meet the needs of those who desire a knowledge of the industrial field, those who wish to major in industrial arts for the purpose of teaching industrial arts in high school, those who wish to do practical work around the home and the farm, and those who desire to go into advanced work on the graduate level. Equipment is provided for academic and laboratory work.

THE PHYSICS DEPARTMENT has all the necessary apparatus at hand for the courses offered in physics. The laboratory is equipped with an excellent four-inch astronomical telescope and a set of 100 astronomical slides including the best and latest celestial photographs from the Yerkes Observatory. These lend interest to work in astronomy and make possible an intensive study of the heavens.

An X-ray machine has been given to the college by an alumnus, Dr. George J. Goodsheller, Physician and Surgeon of Marion, Kansas.



SHARP HALL—within its walls are the administrative offices, an auditorium, and several classrooms. It is also the center of many student activities.



THE COLLEGE CHURCH—the center of inspiration and worship at the college. Its beautiful stained glass windows leave vivid impressions on all who worship herein.



BEEGHLY LIBRARY—one of the best equipped libraries in the area. Originally a gift of Andrew Carnegie it was enlarged and completely modernized in 1950.



HARNLY HALL—a modern classroom building with well equipped laboratories. Chemistry, biology, physics, math, the social sciences, and music are taught here. The college museum, with the world's largest synthetic diamond, is on fourth floor.



INDUSTRIAL ARTS AND AGRICULTURE BUILDING—workmanship with drawing board, wood, and metal is taught here. Future farmers learn better agricultural methods.



PHYSICAL EDUCATION BUILDING—a modern building with a large playing floor, well equipped dressing rooms, a classroom, and game room. It is the scene of activity for many McPherson College men and women.



VANIMAN HALL—a spacious building given by the heirs of Mr. and Mrs. F. A. Vaniman. Used principally by the art department, it is also used for college and civic functions.



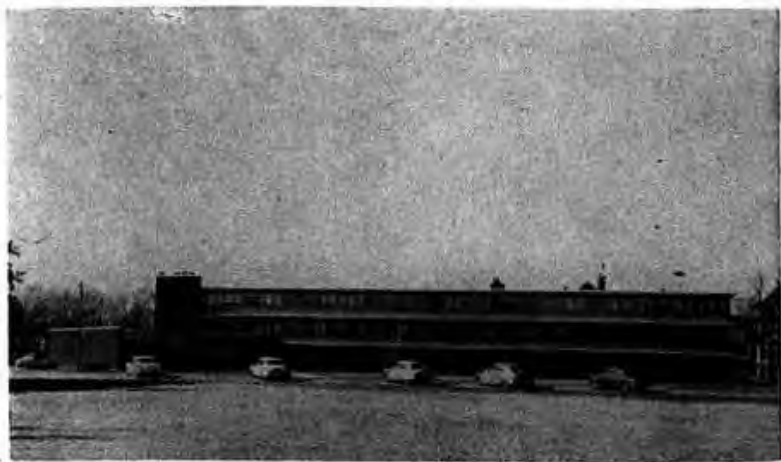
THE COLLEGE COURTS—the center of activities for many of the married students and their families. These new apartments are completely modern in design and equipment.



ARNOLD HALL—a large dormitory which provides space for 66 men, and also space for the college cafeteria.



FAHNESTOCK HALL—the home for 60 McPherson College men. It is equipped with modern furniture and decoration throughout.



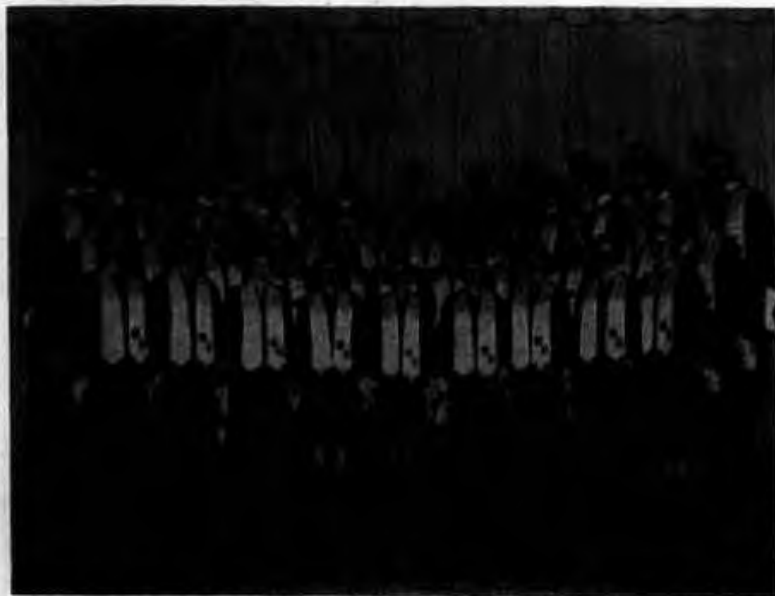
DOTZOUR HALL—the home for 108 McPherson College women made possible through the dedicated gift of Royer and Eana Dotzour. Its rooms and lounges are deluxe in design and comfort.



KLINE HALL—a combination apartment building for college married couples and a girls' dormitory.



COLLEGE STADIUM—a monument to community cooperation in the interest of student growth through intercollegiate and intramural physical activities.



A CAPPELLA CHOIR—the goal of all music-loving students. The skills and enjoyment received in this choir are never to be forgotten by students.



Classes at McPherson are kept small so as to provide maximum individual instruction. Equipment is up-to-date and adequate.



The thrill of competition on the Kansas Conference floors is an anticipated experience of both participants and spectators.

Historical and General Information

McPherson, not far from the center of the state of Kansas, is in a rich agricultural area which has been made famous by the quantity and quality of wheat produced. More recently it has become noted for its production of oil and gas. McPherson is a growing city of more than eight thousand people and is the seat of government of McPherson County. It is a city of prosperous merchants, beautiful homes, parks, and shade trees, and is surrounded by fields of wheat, maize, and alfalfa. The climate is mild and healthful.

McPherson is easily accessible by highway, bus, or train. Two national highways, 81 north and south and 60 east and west, cross in McPherson. A main line of the Rock Island passes through the city. The Santa Fe, the Missouri Pacific, and the Union Pacific are readily accessible a few miles distant at Newton, Lindsborg, and Salina respectively.

McPherson College was founded in 1887. It was first called McPherson College and Industrial Institute. Ground was broken in the midst of a corn field one mile east of town for the first building, Fahnstock Hall, on October 19, 1887. The first school term began September 5, 1888; S. Z. Sharp was the first president; sixty students enrolled and there were seven faculty members. In 1898 the official name became McPherson College.

In 1932 Mt. Morris College, Mt. Morris, Illinois, merged jointly with Manchester College in Indiana, and with McPherson College. The Mississippi River became the dividing line between the two college territories. Thus two colleges were able to share in the illustrious Mt. Morris history.

The Alumni Association

All graduates of the college, all former students who have completed twenty-four semester hours at the college, and those who have received a certificate or diploma from a department of the college are considered members of the Alumni Association. The efforts of the Alumni Association focus about two major objectives: to promote the interests of McPherson College and to establish mutually beneficial relations between the college and the alumni. The Association maintains a constant contact with the alumni by means of the McPherson College Bulletin, class reunions, the annual alumni banquet, alumni chapter meetings, homecoming, and personal letters from the Alumni Office.

The Alumni Office is located on the first floor in Sharp Hall. Visitors are welcome at any time. The Alumni Office attempts to maintain an up-to-date file on each individual graduate and many former students.

Services of the Alumni Office are available to under graduates as well as graduates. Students are encouraged to visit the office and acquaint themselves with the alumni activities.

Summer School

A summer school is conducted annually by McPherson College. It begins immediately after the close of the regular session and continues for a period of nine weeks. The faculty, with few exceptions, is made up of members of the regular college staff. The courses offered are selected from the regular program of studies, for the most part, and the quality of work is equal to the work of the regular school year.

Further information regarding the summer school may be secured from the Director of the Summer Session.

II. Student Life

Student Expense

TUITION: The college makes one all-inclusive charge for tuition and regular fees. The one charge covers all tuition expenses, including matriculation, laboratory, art, private music lessons, library, graduation, etc. For full time students (12 hours or more), it also includes the health service, student activity privileges such as admission to athletic contests, choral and instrumental concerts, plays, and Student Council activities. This latter provides the student handbook, *The Growl*; the student newspaper, *Spectator*; and the student annual, *Quadrangle*. The *Quadrangle* is included only when the student is enrolled both semesters. An additional payment is required of one-semester students.

Total tuition per semester hour _____ \$ 15.00

Health service and student activity privileges are not included when the student is enrolled in less than twelve hours.

ROOM AND BOARD:

Royer and Edna Dotzour Hall, Fahnestock Hall, room, each semester _____	\$ 90- 75-
Arnold Hall, Kline Hall, room, each semester _____	75-
Kline Hall, two-room furnished apartment, each semester _____	\$128.25
College Courts, one-bedroom apartment, per month _____	\$42.50
Two-bedroom apartment, per month _____	\$48.50

\$1.00 per month is charged for T.V.

Meals are served in the college cafeteria. The student may determine the cost of his meal by the type and amount of food he chooses. Dur-

ing the past year the average cost of meals has ranged from seven to ten dollars a week.

SPECIAL FEES:

Auditing courses, each semester hour	\$3.00
Chemistry breakage deposit, Courses 1 and 2	2.00
Chemistry breakage deposit, all other courses	5.00
Change of enrollment after first full week of school	2.00
Late Registration	5.00
Placement Bureau Enrollment	5.00
Placement Bureau, notification service	5.00
Special Examination	2.00
Transcript (first one free)	1.00

ESTIMATED EXPENSE: The following estimate indicates the probable expense to the average student, including tuition, books, room, and board for the school year. It does not include class dues and miscellaneous personal expenses.

Tuition. \$15.00 per hour, average load 15 hours	\$450.00
Books and Supplies	40.00
Room	110.00-140.00
Board (estimated)	300.00
Total for the year	\$930.00

PAYMENT PLANS

Each student will choose one of the following methods of payment, preferably in the order indicated.

1. Cash in full for each semester at time of enrollment. Discount of \$5.00 (No scholarships or other discounts)
2. Two equal payments. No discount, no service charge (Half at enrollment, half at mid-semester) (6% interest on past due balance)
3. Four equal monthly payments. Service charge of \$5.00 (September 1 to December 1 and February 1 to May 1) (6% interest on past due balance)
4. Other arrangements approved by the President and the Business Manager. Service charge of \$5.00, plus 6% interest on the unpaid balance.
5. Students enrolled for less than 12 hours. Cash in full at time of enrollment—no discount.

No student who is delinquent in the payment of any fee, account, or note due the college will be given a diploma of graduation or a transcript showing scholastic standing until such indebtedness has been fully paid.

DISCOUNTS AND REFUNDS

A discount of two per cent will be given if the entire bill for the

semester is paid in cash within ten days following registration. Parents or guardians should send the required payments in advance, or make satisfactory arrangements in order to avoid delayed class attendance.

Refunds of tuition and room rent will be made on the following basis; 90% will be refunded if withdrawal is made during the second week, and for each succeeding week the refund will be decreased by 10%. After ten weeks of the semester have elapsed, no refunds will be made. Fees are not subject to refund. No refund or adjustment will be made unless authorized by the President, or by the Dean in the absence of the President.

ROOM RESERVATION AND ROOM DEPOSIT

Students may reserve rooms in the dormitories in advance of the opening date by depositing a fee of \$10.00 which is held as a breakage fee until the close of the year. A charge of \$1.00 each semester is made for approved electrical appliances. If rooms are no longer available in the dormitories, students will be located in desirable private homes. The paid fee will assure the students of rooms in the dormitories in the order in which their names appear on the waiting list. The room reservation fee will be refunded if the request is received before August 10.

Student Aid

The college makes an effort to give help to deserving students who are unable to meet all the regular charges. There are five forms of such aid: (1) scholarships, (2) grants-in-aid, (3) assistantships, (4) loan funds, (5) employment opportunities. Aid can be continued to students only when scholarship and conduct are satisfactory.

Applications for student aid should be filed as early as possible.

SCHOLARSHIPS

HONOR GRADUATE SCHOLARSHIPS:

McPherson College offers annually a limited number of scholarships to high ranking graduates of high schools and junior colleges. Application blanks may be secured from the President upon request.

UPPER CLASS SCHOLARSHIPS:

The college also offers scholarships to two McPherson College sophomores and two juniors each year for the succeeding year in McPherson College. These are valued at \$80.00 each. Scholarship standings are evaluated on the basis of three semesters and five semesters of college work respectively.

MUSIC SCHOLARSHIPS:

Two scholarships are offered in piano, two in voice, and one in

instrumental to students who are recommended by the Music Department.

INTERNATIONAL SCHOLARSHIPS:

Scholarships, up to twelve, are made available to international or foreign students. These are for tuition only and are awarded by the Administrative Committee.

UNIVERSITY SCHOLARSHIPS:

Leading universities offer annually scholarships which vary in value from \$500.00 to \$1,500.00. Members of the senior class possessing proper qualifications will be recommended for these.

MEMORIAL ENDOWMENT SCHOLARSHIPS:

Endowment funds making scholarships available to worthy students have been provided in memory of:

Glen Donald Austin	\$1,500.00
Virgil Meyers Berkebile	1,200.00
Walter E. Berry	1,500.00
Earl Eby Curtis	1,200.00
Samuel Theodore Elrod	5,000.00
Edith D. Keller	1,000.00

GRANTS

MINISTERIAL:

On the recommendation of the Christian Education Commission of the Church of the Brethren and in cooperation with our other church colleges ministerial grants-in-aid of 30% of college tuition for any number of hours enrolled are granted to juniors and seniors who are preparing definitely for the ministry or mission field. Grants-in-aid of the same amount are available to unmarried children of active pastors of the Church of the Brethren or to children of those who are otherwise engaged in full time Christian service. *No student is entitled to more than one scholarship or grant-in-aid from the college at the same time.* These scholarships and grants-in-aid do not apply on summer school work.

FAMILY:

When there are two regularly enrolled college students from the same family and neither has received a scholarship from the college, each will be given a discount of 5% on tuition. When there are three regularly enrolled students from the same family and none has received a scholarship from the college, each will be given a 10% discount.

DISTANCE

Distance discounts of \$20.00 each semester are allowed regular college students whose homes are beyond a radius of 900 miles from McPetersen, and within the college region. This is interpreted to include Idaho and Montana.

ASSISTANTSHIPS

Several departments of the college employ student assistants for laboratory service, for reading and checking papers, etc. The students are usually selected from the upper classes and must be students of high scholastic standing. The library uses some student assistants.

All appointments are made for one year and are conditioned on satisfactory service and the approval of the Administrative Committee of the college.

LOANS

Loan funds have been established at McPherson College by a number of people and organizations to assist young men and women who are preparing for service in distinctive social and church work.

Loans or grants-in-aid available to men or women provided by:

Beatrice Assembly
Albert and Charles J. Cochran
E. J. Frantz
Mrs. E. E. Greenough
Dr. W. C. Heaston
Elder and Mrs. E. B. Hoff
Northeastern Kansas BYPD
Southeastern Kansas BYPD
O. F. McGonigle
Minnesota BYPD
North Dakota BYPD
Frank Rhodes
Dr. Ralph Y. Strohm

Loans available to women provided by:

John Samuel Evans Memorial
Mrs. Sarah Witmore Harnly
Miss Della Hoerner
Mrs. Elizabeth Keener

The Christian Education Commission of the Church of the Brethren has a student rotary loan fund made available for worthy students. Application for a loan from this fund must be made through the college.

The Kansas Federation of Women's Clubs and various civic organizations of McPherson offer to worthy students loans which may be obtained on reasonable terms.

The Church of the Brethren Youth Fellowship of Southeastern Kansas has established a loan fund for worthy students of that district. This is a growing fund. Each year the young people of the district add to the amount of the fund.

The college has now established a student loan fund of considerable proportions from which students may secure reasonable sums provided they can give adequate security.

EMPLOYMENT

There is some opportunity for students to earn money both at the college and in the town of McPherson. The dining hall supplies work to a number of women and a few men. There is janitorial work for fifteen or twenty students, mostly men. A number of students find clerical work in the college offices, and a few work in the library. In addition to this many of our students find work in private homes, stores, gas stations, garages, and restaurants in McPherson. The college operates an employment bureau to help students to find work. However, it should be understood that only a fraction of one's total expense can be earned by part-time employment. Caution should be exercised on the number of hours a freshman should work. The maximum working load should be fifteen hours, if one is carrying a normal load of school studies.

Student Personnel Service

COUNSELING

The change from high school and home to college life sometimes involves difficulties of transition. A personnel service under the supervision of the Personnel and Counseling Committee, composed of the Dean of Students, the Dean of the College, the Dean of Women, the Dean of Men, and other members appointed by the President, is provided to assist students in making the adjustment to college life and to guide them through college and into the business and professional world.

Scholarship is stressed, but in addition health, emotional balance, personality adjustment, economic intelligence, religion, and vocational purpose are values sought for in each student.

A special effort is made to help freshmen and new students become oriented to college life. Faculty members and students direct a program to help with this process. During the first nine weeks the new students are oriented to the meaning of a liberal education, to the areas of professional work and business for which McPherson College can prepare them, and to techniques for receiving the most from a college experience.

Some tests are required and many others are optional to the student. All freshmen and sophomore students are assigned to counselors. Assignments are made on the basis of the interests, the objectives, and the professional goals of the student. The counselor may be changed upon a student's request. Juniors and seniors are assigned to their major professors.

All faculty members offer their time freely to counsel with any student on any subject, or to visit with them for the purpose of friendship and growth.

HEALTH

The health service of the college is under supervision of the School Nurse. The scope of the health service is as follows:

1. To pay for three calls for each student at a physician's office and one residence call. All calls must be approved in advance by the School Nurse or the Housemother of Dotzour Hall.

2. To pay \$5.00 per day for use of a room in the McPherson County Hospital for three days each semester, subject to approval in advance by the School Nurse.

3. To give first aid treatment at any time.

4. To supervise and maintain general sanitary conditions and health influences.

5. To advise and refer for specialized medical care any student needing such attention.

6. To give advice in matters concerning personal health and hygiene.

All other office calls, examinations, medicine, X-rays, and special treatments must be paid by the student.

TESTING SERVICE

During the period of orientation, English, psychological, and personality tests are administered to all freshmen. Results from these tests are made available to all counselors to be used at their discretion in counseling students.

Students interested in exploring their capacities and in securing vocational, educational, or professional guidance will be given suitable tests and interpretations of the results by making application to the Personnel and Counseling Committee.

MORAL AND RELIGIOUS INFLUENCES

As a Christian college under church supervision, McPherson College is vitally interested in the religious life and development of its students. It desires for each student an intelligent, living faith in Jesus Christ, which will integrate personality and express itself in noble Christian character and worthwhile work.

An environment favorable to these aims is provided by the college and added to by the City of McPherson with its many churches, its Y. M. C. A., and its emphasis on things cultural and religious.

A chapel and an assembly period is held each week; and various religious and special interest groups meet regularly.

Another outstanding event of the school year is the Regional Conference at which time students may contact inspiring and informing Christian leaders of national reputation.

The McPherson Christian Association, in its general assemblies, discussion groups, and other activities, gives opportunity for expres-

along along religious lines. This cosmopolitan organization is doing much to make religion felt on the campus.

The Recreation Council is composed of a group of students selected from the various church districts. Its purpose is to study recreation problems in relation to the church program and to get experience in leadership.

All classroom teaching is permeated by a spirit of reverent searching for knowledge and truth. All teachers are Christian men and women.

SOCIAL LIFE

McPherson College aims to train young people for membership and leadership in a Christian social order and to create in them a sense of their social obligations and responsibilities. The social program is not limited to parties, or training in rules of etiquette; but in a wider sense, it seeks to stimulate students through study and direct experience to gain for themselves a pattern of values which will give meaning and direction to life.

A beautiful social room, known as the Student Union Room, has been provided in Sharp Hall. There are lounges in the dormitories, in which students meet their friends during leisure hours. Informal gatherings are held in the homes of the faculty and the President. Many informal parties and a few formal activities are planned, in order that students may feel culturally at ease in all types of social life. Skating parties; trips to nearby cities, and outings are regularly arranged. The social life is under the general administration of the Social Committee, composed of faculty members and students.

PLACEMENT BUREAU

The Placement Bureau assists former students and graduates to secure positions in their professional chosen fields. Registration blanks may be secured in the Alumni Office. A nominal fee of five dollars (\$5.00) is charged for enrollment. An additional placement fee of five dollars (\$5.00) is due if credentials were sent to the place where the student secures a position. The Placement Bureau service is a life-time service available to any former student or graduate of the college. One may re-enroll in the bureau by paying a five dollar (\$5.00) re-enrollment fee. Placement Bureau credentials are valuable for securing industrial and business positions as well as teaching positions.

EXTRA-CURRICULAR ACTIVITIES

Extra-curricular activities are organized and arranged to provide opportunities for spontaneous self-expression on the part of the students in fields of special interest that are correlated with, and supplementary to, the curriculum, and in harmony with the general educational purposes of the college. The Personnel and Counseling Com-

mitter of the faculty is the general supervising agency. In addition each organization has a faculty sponsor who attends all meetings and aids in planning the year's program, budgeting funds, and keeping accurate accounts and records. All treasurers' books are audited monthly by the Business Office. The books of all secretaries and treasurers are filed in the Business Office during the summer.

All students are urged to participate in some extra-curricular activity in order to enrich their college experiences and to broaden their personalities.

STUDENT PUBLICATIONS

The Spectator, a campus newspaper published weekly by the students, gives opportunities for practical experience in journalism. Students fill the editorial staff positions of campus editor, managing editor, editor-in-chief, and the business staff positions of business manager and assistant business manager. The editors serve one semester in each of the three editorial positions, a new campus editor being selected each semester. Other positions such as sports editor, society editor, and reporters are open to any student. The business managers get experience in advertising and business.

The Quadrangle, a student yearbook, is also prepared as an extra-curricular activity. The editor and the associate editor head the editorial staff, a new associate editor being selected each year. The business manager and the assistant business manager of this publication also get practical experience in advertising and business.

GOVERNMENTAL ORGANIZATIONS

The Student Council is the governing power of the student body. The council is composed of a president and a treasurer, elected by the student body; the treasurer of the previous year; one man and one woman from each of the four classes; one man and one woman representing the extra-curricular activities; the Dean of Students; the Dean of the College; the Dean of Women; and the Dean of Men.

The council issues three publications: the Student Handbook, a compendium of information published for distribution at the opening of the school year; the Spectator, a campus newspaper; and the Quadrangle, a student yearbook.

The organization administers and supervises the Student Union Room and the Snack Room, distributes the funds allotted to the Student Council by the college, and cooperates with the Personnel and Counseling Committee of the faculty on all matters of concern to both students and faculty.

Students living in the dormitories have a large measure of self-government, administering college and dormitory regulations with the advice and assistance of the Housemothers, Head Residents, and Deans of Women and Men.

THE STUDENT COURT

The Student Court functions to interpret and enforce the Student Body Constitution, to determine the policy of student discipline, to study cases for discipline which are referred to it, and to render and enforce verdicts. The court is composed of thirteen members: five seniors, four juniors, three sophomores, and one faculty representative. A chairman and a secretary-treasurer are elected by the court from its membership.

MEN'S AND WOMEN'S COUNCILS:

Men's and Women's Councils, under the sponsorship of the Dean of Men and the Dean of Women, are composed of selected groups of representative students. They promote good fellowship among students and understanding between students and faculty. The councils meet regularly and discuss problems of student welfare.

EXTRA-CURRICULAR ORGANIZATIONS

McPherson College Players Club is the official dramatic organization of the college. Membership is open to all who participate in the acting or stage work of any of the Little Theater productions. The group annually presents two three-act plays and an evening of three one-act plays. Election to membership in the Alpha Psi Omega, national honorary dramatic society, is awarded to those students who earn sufficient points in both acting and staging to merit the honor.

Pi Kappa Delta is an organization giving opportunity for those who desire to develop their speaking talents. Men's and women's debate teams and oratorical contests on peace, anti-tobacco, and prohibition are sponsored. Qualified students are eligible for membership in Pi Kappa Delta, national honor forensics society.

Phi Alpha Theta: McPherson College has an active chapter of Phi Alpha Theta, the national honorary history fraternity. Students who have completed at least twelve hours of history and who have achieved an exceptional scholastic rating are eligible to join.

MUSICAL ORGANIZATIONS

The following groups are organized: College Male Quartette, College Ladies' Quartette, College Ladies' Trio and Pianist, and Freshman Male Quartette.

The Quartette and Trio are singing groups carefully selected on the basis of a questionnaire, a placement test, and a series of ensemble try-outs.

Each group will rehearse a period a day and will meet at least once a week with the instructor. Appropriate and varied materials will be prepared for use in churches and high schools, at conferences and civic gatherings, on the radio, etc. The groups will be expected to be ready and available for frequent public appearances on and off the campus.

The Quartettes and Trio offer *one-half* hour credit each semester in Vocal Ensemble.

THE A CAPPELLA CHOIR as the names indicates, specializes in the singing of unaccompanied choral literature. It is a highly selective choral organization whose members are chosen on the basis of maturity of voice and choral experience. It is limited to 45 voices. Regularity of attendance at rehearsals and performances is of utmost importance.

Students must be enrolled for at least 12 credit hours of school work to be eligible for membership in the A Cappella Choir. Members are expected to maintain their eligibility throughout both semesters of the school year.

The choir rehearses at least three periods each week. It makes occasional appearances at college assembly or chapel services and at the college church. In addition, it participates in the vesper musicale at Regional Conference time and in the Christmas programs in December. It presents a public concert in the early spring, makes a tour each Easter season to churches of the college constituency, and presents programs to school assemblies in the McPherson community as well as in the touring areas.

The McPherson College A Cappella Choir has come to be regarded as one of the excellent choral organizations of its kind in this territory.

The A Cappella Choir offers *one-half* hour credit a semester in Vocal Ensemble.

THE CHAPEL CHOIR is a choir of about 45 voices. It specializes in response and anthem materials appropriate for use in worship services. It rehearses three times a week and participates in the Tuesday chapel services. The contribution of the Chapel Choir to the interest and inspiration of the chapel and other religious services has come to be appreciated by students and faculty.

This choir makes occasional appearances at the college church and participates in the Annual Christmas Musicale. In recent years it has won for itself a new place of respect on and off the campus.

The Chapel Choir offers *one-half* hour credit a semester in Vocal Ensemble.

THE COLLEGE CHURCH CHOIR is a choir of about 32 voices, made up of college students who have an interest in church music and who wish to make a contribution to the worship services of the college church. These singers are chosen on the basis of a questionnaire and a placement test.

The choir rehearses once a week and participates in the worship services on alternate Sundays. Occasionally it appears for other services, and joins the local church choir for special antiphonal or two-choir numbers. It sings during Spiritual Emphasis Week, during Regional Conference, and participates in the Annual Christmas

Musical. The activities of this organization should provide worthwhile training and experience for church musicians.

Members of the A Cappella Choir or Chapel Choir who desire the practical experience in church music which the College Church Choir offers may participate without enrolling for credit, provided regularity of attendance is maintained. However, if they wish to do so, these singers may enroll for the additional one-fourth hour credit which the College Church Choir gives.

The College Church Choir offers *one-fourth* hour credit each semester in Vocal Ensemble.

THE CONCERT BAND is an organization open to all qualified instrumentalists upon consultation with the director of band. Concerts are scheduled at various times throughout the school year. Rehearsals are held at least three times per week, and one-half hour credit is offered each semester.

THE COLLEGE-CIVIC ORCHESTRA is open to all qualified instrumentalists upon application to the director. Orchestra concerts are presented several times throughout each school year. Students enrolled for credit receive one semester hour per year of participation.

ATHLETIC

McPherson College is a member of the Kansas College Athletic Conference, in which the following sports are recognized: football, basketball, track and field, tennis, and golf. The college offers physical education and athletic activities of a wide variety. Every student within the school is offered an opportunity for wholesome recreation and physical exercise under competent leadership.

THE "M" CLUB is an organization of men who are awarded letters in any of the sports sponsored on the campus.

THE WOMEN'S ATHLETIC ASSOCIATION is open to all women students who participate in extra-curricular sports activities. The program is broad in scope and aims to provide activities adapted to the needs and interests of all students. Demonstrations, social functions, and play days are included in the program. Official letters are awarded to girls for points earned in participation.

THE PEP CLUB membership consists of students interested in promoting better organized cheering and school spirit. The club assists the cheer leaders.

INTRAMURAL membership is composed of students who do not participate in the varsity sports. The purpose is to create interest in sports and to afford students who are not varsity athletes the opportunity for leadership in the field of athletics.

Student Regulations

As a Christian institution, McPherson College seeks to uphold

high ideals of personal and social life. It is assumed that students who apply for admission desire to fit into such an atmosphere.

All students are expected to exercise self-control and to put themselves under the restraints which are necessary to maintain the dignity and purpose of the college.

Gambling, the use of alcoholic beverages or tobacco, social dancing, and the existence of secret societies are not permitted on the campus. It follows that these same regulations apply to students off the campus while under college jurisdiction.

The college reserves the right to ask students to withdraw whose lack of application or conduct is such as to make their stay in college inadvisable.

Students are expected to attend Sunday School and worship services each Sunday. Attendance at Tuesday chapel and Friday assembly is required and absences are recorded. Grade points are deducted for excessive absences.

Students who wish to arrange for socials, class parties, or gatherings of any kind should first obtain permission from the Social Director and provide acceptable chaperonage.

The conduct of women students is under the supervision of the Dean of Women. Permission for out-of-town trips must be secured from the Dean of Women.

All out-of-town students are required to room in the dormitories, unless permission to room outside is granted by the Dean of Men or the Dean of Women. In no case will women students be permitted to room where satisfactory arrangements for a housemother have not been made.

Students living with families are subject to the same rules as students living in the college dormitory in regard to study hours, attendance at chapel and Sunday services, receiving company, and all matters pertaining to their department. Men and women may not room in the same house. Families wishing to take students as roomers or boarders must arrange with the Business Manager in advance and agree to see that the rules and regulations are observed.

Parents are urged to keep in touch with the school, and to assist the faculty in bringing about the best results possible in the education and direction of their sons and daughters.

Visitors are always welcome. Guests of the institution should report at the Business Office. Guests of the dormitories should report to the Housemother or Head Resident so that entertainment may be provided.

An official emblem and seal has been adopted by the college, and it is expected that all classes and organizations shall restrict themselves to its use.

Policies concerning deputation work must be planned by the Public Relations Department and approved by the administration.

Students representing the college either on or off the campus must be approved by the faculty.

Agents and solicitors are not permitted to operate among the students on the college campus without permission from the Business Manager.

Students should inform their correspondents that all letters and other mail intended for students of the college should be plainly marked "McPherson College," giving the street number or the name of the hall and number of the room, since there are two colleges in McPherson.

Additional articles necessary for the student's comfort except such as are listed under expense items in this catalog, will be furnished by the student himself. The student should bring quilts, comforts, blankets, sheets, pillows, pillow cases, rugs, curtains, etc. Single beds are provided in Dotzour, Fabnestock, and Arnold Halls and in the third floor of Kline Hall.

Important Events and Services

THE REGIONAL CONFERENCE is held for four or five days each fall. It serves as a period of religious emphasis for faculty and students of the college.

REGIONAL YOUTH CONFERENCE

The youth of the region come together under the direction of capable leaders for inspiration and program planning.

HIGH SCHOOL VISITATION

During the spring months, members of the student body and faculty visit the surrounding high schools to bring to their attention the opportunities which the college affords and to consult with students concerning their educational plans.

THE BOOSTER BANQUET

Cooperation of community and college was the primary motive for instituting the Booster Banquet in 1931. Each year several hundred of the leading citizens of the community have mingled in a fellowship banquet and as a token of their interest have voluntarily contributed thousands of dollars to the support of McPherson College.

HOMECOMING

Each year a homecoming celebration is sponsored by the alumni and the various organizations of the college. Several activities, which include an alumni tea, an M Club banquet, and an after-game coffee hour, are planned for the interest of alumni. A homecoming queen

and two attendants are selected by the students to reign over the homecoming festivities.

SPIRITUAL EMPHASIS WEEK

For one week each year a well known speaker leads the entire student body and the college church in a religious emphasis. Both daytime and evening public meetings and individual or smaller group conferences are a part of the emphasis.

OPEN HOUSE

Every year each of the dormitories holds an open house. Parents, faculty, and friends are invited to visit the students in their rooms.

MUSICAL CONCERTS

At appropriate times during the year special oratorios and concerts are presented by the musical groups. Students majoring in music give recitals to which the general public is invited.

PLAYS AND DEBATES

Several plays are presented by the McPherson College Players annually. McPherson College is host to at least one invitational debate tournament each year.

ALL SCHOOL EVENTS

A formal faculty reception to the students is held early in the fall.

An all school formal is usually held during Christmas time and another during the spring months.

An all school picnic or outing is enjoyed in the fall and again in the spring. Several all school parties, skating parties, and play nights are sponsored by classes or organizations.

The college joins in the McPherson County All Schools Day festivities. Some of the college organizations enter floats in the "May Day" parade and participate in the exhibits.

COMMUNITY SERVICE

McPherson College is ready to be of any possible service to high schools, communities, and churches, either near by or throughout the entire region. It is prepared to assist in teachers' institutes, parent-teachers' meetings, lecture courses, entertainments, and religious services.

McPherson College is endeavoring to render service as a community college through providing classes in adult education.

III. Academic Regulations and Offerings

Admission Requirements

Admission to McPherson College may be granted upon presentation of a certificate of graduation from an accredited senior high school. Graduates of high schools not fully accredited may enter through special entrance examination; or they may enter as unclassified students until they demonstrate their ability to do satisfactory work.

While McPherson College does not prescribe requirements in entrance subjects, it is strongly recommended that the student be prepared to present at least three units in English, two units in a foreign language, two units in mathematics, two units in history or social science, and one or more units in laboratory science.

An application for admission should be filed with the college on an official blank. A thorough health examination by the applicant's physician is required. These blanks may be secured from the back of this catalog or from the Office of Admissions.

PROVISIONS FOR VETERANS

McPherson College is on the approved list of colleges through which veterans may continue their education under Public Laws 16, 346, and 550. Veterans who are eligible for these benefits should contact their nearest Veterans Administration office and make application for a Certificate of Entitlement.

ADVANCED STANDING

Candidates for admission from other colleges must present a certificate of honorable dismissal and an official transcript showing a passing grade in at least two-thirds of the courses in which they were last enrolled. Students from junior colleges will receive credit for no more than sixty semester hours. Work done in a junior college cannot be accredited as the equivalent of work done in the upper division of McPherson College. Any credit earned by examination at McPherson College will be granted for those who are candidates for a degree from McPherson College.

McPherson College may accept a maximum of thirty semester hours of strictly theological work, and a maximum of sixty semester hours total of courses taken in Bethany Bible Training School.

Students entering with the R. N. degree in nursing may be credited with approximately one year of work toward a degree.

REGISTRATION

A student is completely registered when he has provided all information required on the official registration form presented to him by the college and has secured the signatures of all the administrative officials designated on the card. In the case of first registration the student must have completed all admission procedures. Registration must be completed on the days designated for that purpose in the calendar of the college. Failure to do so will result in a late registration fee of five dollars.

Degree Requirements

The A. B. degree is offered only in the following departments: Education and Psychology, English, History, Applied Music, and Philosophy and Religion.

The B. S. degree is offered only in the following departments: Biology, Chemistry, Economics and Business Administration, Home Economics, Industrial Arts, Mathematics, Music Education, Rural Life, and Sociology.

The A. B. or B. S. degree will be conferred on a student who meets the residence, credit, grade point, distribution, and concentration requirements, all of which are described below. Application for graduation should be submitted to the Registrar the first week of the student's last semester.

RESIDENCE

In order to qualify as a candidate for a college degree a student must spend a minimum of one term of residence, and must obtain a minimum of twenty semester hours of credit, in McPherson College. In accord with a requirement of the State Department of Education, twenty of the *last* thirty hours or forty of the *last* sixty hours necessary to complete work for a degree must be completed in residence.

Exception is made for a student who, after earning ninety semester hours of credit in McPherson College, goes to a recognized professional school requiring at least ninety semester hours for admission, enters a professional curriculum requiring a minimum of three additional years for completion, and transfers back thirty semester hours of credit from acceptable courses. Likewise, a degree may be conferred on a student who takes 90 semester hours at McPherson College and who attends at least 2½ years in a nurses' training institution directly affiliated with a university and transfers back to McPherson College 30 semester hours of credit from acceptable courses. Not more than one-fourth of the semester hours credit required for graduation may be transferred back to complete the requirement for graduation.

CREDIT

The minimum requirements for graduation are 124 semester hours of which four semester hours must be in the Department of Health and Physical Education. Candidates for graduation must complete forty semester hours in junior-senior courses taken in the junior-senior years. Junior-senior courses include all courses in the catalog numbered above 100.

GRADE POINTS

Candidates for a degree must have as many grade points as credit hours required for graduation. Grade points are earned as follows:

- A—three grade points for each hour of credit.
- B—two grade points for each hour of credit.
- C—one grade point for each hour of credit.
- D—no grade points.

DISTRIBUTION

The purpose of the distribution requirements is to provide the students some experience with all the major areas of knowledge. The distribution for either the A. B. or the B. S. degree is as listed below:

1. Art and/or music, three hours.
2. Bible, six hours. This requirement may be met by taking courses in the department of philosophy and religion numbered 21, 22, 23, 106, 111, or 116.
3. Biological and physical science, ten hours, no less than two hours in either, and six hours of which must carry laboratory credit.
4. Economics, three hours. This requirement may be met by taking courses in the department numbered 1, 3, 4, 109, 110, 121, 125, 126, 130, 140, 151.
5. English, oral and written composition, six hours, courses 1-2 or 3-4.
6. History or political science, three hours.
7. Literature, three hours.
8. Physical education, four hours. This requirement may be met by taking at least two hours from the courses in the department numbered 1, 2, 3, 4, 5, 6, 7, 8, 31, 73, 88, 109, 110, 157, 158, 173, with the additional hours in any departmental course.
9. Sociology, three hours.
10. Speech, two hours.
11. Electives from the three following groups of departments are to be chosen in addition to the above specific requirements:
 - A. Four additional hours chosen from the departments of art, literature, speech, foreign language, music, journalism.
 - B. Three additional hours chosen from the departments of economics and business administration, education and psychology,

history and political science, industrial arts, philosophy and religion, and sociology.

- C. Four additional hours chosen from the departments of biology, chemistry, health, physical education and recreation, home economics, mathematics, physics, rural life.

CONCENTRATION

1. The completion of a major of not less than twenty-four semester hours in biology, chemistry, economics and business administration, education and psychology, English, history, home economics, industrial arts, mathematics, music, philosophy and religion, sociology, or rural life. A minimum of twelve hours of this requirement must be met in courses open to juniors and seniors only.
2. Comprehensives, reviews, supporting courses or seminars may be required of majors by any department. Arrangements for these shall be made by the head of each department.
3. A complete tentative program of courses for the junior and senior years, incorporating the requirements stated above, designed by the student and approved by the student's major professor and the Dean of the college not later than the beginning of the student's junior year. If a student intends to teach, this program must be signed by the education counselor also.
4. Students who wish to qualify for a teaching certificate must apply for admission into the teacher education program before they may be enrolled in any education course.

Note: Requirements one and two are listed in more detail under the departmental requirements.

General Academic Regulations

STUDENT LOAD:

The average student load is sixteen hours a semester. All students are limited to eighteen hours except by special permission from the Curriculum Committee. No student may apply for enrollment in more than eighteen semester hours unless he has earned a grade point average of 2.25 or higher in the preceding semester.

Students are encouraged to carefully balance curricular, extra curricular, and manual work loads. Advisors will help at this point.

CHANGE OF ELECTION OF COURSES will come through the counselor as a rule. Such changes cannot be granted after Saturday noon of the second week of the semester. Upon written request and the presentation of valid reasons for exception being made, the Curriculum Committee and the instructors concerned may make changes after the

two-week period. A late registration fee will be charged for each enrollment change later than the second week of the semester.

WITHDRAWAL FROM COURSES without registration of grade is possible up to Saturday noon of the fifth week of the semester. Written request to the Curriculum Committee must be made and granted before action will be taken. Failure to secure permission to withdraw will result in a grade of "F" in the course. A student who fails to do satisfactory work in a course may be asked to withdraw.

Students faced with induction pressures may qualify for credit by taking an examination over the work covered in courses totaling as many hours as the weeks attended in class. Tuition adjustment will be made on the basis of ten dollars a week for the number of weeks attended.

SCHOLARSHIP

A student who fails to make three-fourths as many grade points as semester hours for which he is enrolled on the regular report issued at the end of each nine weeks period will be placed on probation and his parents or guardian may, at the discretion of the administration, be notified of the fact. If an average grade of "C" is not attained by the end of the second report period following the one in which the shortage occurred, the student may be advised to withdraw from the college.

CLASS ATTENDANCE

Regular class attendance is required of all students. A student absent from a class for two successive times should be reported to the Dean's office.

A student consistently absent from class or from private lessons will be dropped from the class and/or from the college. Specific details on this can be secured from the instructor or from the Dean's office.

Any student seeking an early release from classes before or after vacation or at the end of semesters or requesting permission to take examinations early must present his case in writing to the Curriculum Committee, and may be requested to appear in person. The student will then be informed of action taken on the request. The policy will be, in general, not to allow either lengthened vacations or prolonged absences from class.

ASSEMBLY AND CHAPEL

Assembly and chapel attendance is expected of all students and members of the faculty. These sessions become the college family gatherings for fellowship, worship, inspiration, and the exchange of information. Persistent absence from chapel and assembly results in removal of honor points from the students' academic record.

PROFICIENCY EXAMINATION IN ENGLISH

All students are required to pass a proficiency examination in the

writing of English prose. This examination is given at the beginning of each semester and is open to Juniors and seniors. Students who fail in the examination for the second time may be required to do special work in order to correct their deficiencies and to be eligible to take the proficiency examination again.

CLASSIFICATION OF STUDENTS

In order to be classified as a member of any class except the freshman, and to be eligible for enrollment in courses open to members of that class, a student must meet the requirements listed below.

SOPHOMORE	JUNIOR	SENIOR
24 semester hours	54 semester hours	84 semester hours
24 grade points	54 grade points	84 grade points

The clerical records on the classification of a student must be continued throughout the year. Exception: Juniors who plan to graduate at the close of the summer session may be classified as seniors at mid-year.

SCALE OF GRADING

A—indicates high honor and is reserved for very distinguished work.

B—indicates very good work of much more than average quality.

C—indicates that the work has been of good average quality.

D—indicates that the work has been the lowest in quality that will enable the student to pass the course.

I—indicates work is incomplete. This mark will be given only when the cause for the incomplete has been unavoidable as determined by the instructor and the Dean of the College.

F—indicates failure.

WP—withdrawn passing; WF—withdrawn failing.

NOTE: An "I" may be changed to a grade by completing the incomplete work to the satisfaction of the teacher. The incomplete must be satisfied within a time limit set by the instructor and the Dean when the mark of "I" was assigned. Students permitted to satisfy an incomplete more than four weeks after the opening of the next semester shall pay a fee of \$1.00; after nine weeks a fee of \$2.00. Grade "F" may be satisfied only by re-enrolling in the course. A fee of \$2.00 is charged for all extra examinations. This fee is to be paid at the Business Office.

HONOR ROLL

To be eligible for the honor roll, students must have earned a grade point average of 2.50 during the previous semester. Students obtaining a grade point average from 2.25 to 2.49 will be placed on the honorable mention roll. Credit earned by examination will not be

included. A list of these students shall be compiled and appropriately advertised at the close of each semester. This list shall be known as the Honor Roll of McPherson College.

HONOR GRADUATES

McPherson College gives consideration for excellency in scholarship during the college course by graduating students with the following honors:

Students who earn a minimum of forty per cent of "A" grades and not more than a maximum of ten per cent of "C" grades are graduated *cum laude*.

All students who earn during their college course a minimum of sixty per cent of "A" grades and not more than a maximum of eight per cent of "C" grades are graduated *magna cum laude*.

All students whose college record shows a minimum of eighty per cent of "A" grades and no grade below "B" will be graduated *summa cum laude*.

INDEPENDENT STUDY COURSES

A student in his junior or senior year who has made an average grade of "B" or better in twelve or more semester hours of work during the previous semester may enroll for independent study in his major department for the ensuing semester. The problem or project on which the student is to work and the amount of credit to be received for the work must be approved by the student's major professor and by the Curriculum Committee prior to the enrollment for the work. One to three semester hours credit may be earned during a given semester, but under no circumstances will independent work be approved that overlaps work that can be done in regular classes.

Problems or projects worked out in independent study must be written up in thesis form acceptable to the student's major professor and the Curriculum Committee. At the discretion of this group, the student may also be required to take a written examination, as well as an oral comprehensive examination before a committee of faculty members headed by the major professor.

ADVISERS

Freshman and sophomore students will be assigned to an adviser at the time of enrollment. The assignment is to be tentative for one year. A student may change his adviser by consulting the Dean of Students. Junior and senior students are assigned to their major professors.

Professional and Pre-Professional Regulations

The curricula outlined on the following pages are presented for the guidance of students. They represent the best judgment of the

collage in each case. However, it is recognized that adjustments will need to be made in some cases because of conflicts, interests, and needs. It will be necessary for the student to plan his program in advance in order to get the courses indicated.

The following general curricular outline for the first two years is a guide for students wishing to enter pre-professional or professional courses. The specific course taken where there is a choice will depend on the specific objectives of the student. Also, choices will depend largely on the professional school to which the student may wish to transfer and also the period of time the student wishes to spend at McPherson College. Consultation with an adviser on the campus is imperative before final decisions are made. If the student knows the professional school to which he might transfer, he should be sure to have a catalog available from that school at the time of enrollment. The Dean of the college will be available at all times to advise on the specific subjects to consider. This can be done both by correspondence and in person.

Freshman Year					
First Semester		Hour	Second Semester		Hour
English		3	English		3
Art, music, mathematics, speech, or foreign language		3-3	Art, music, mathematics, speech, or foreign language		3-3
Bible, history, economics, sociology, or psychology		3	Bible, history, economics, sociology, or psychology		3
Science, home economics, industrial arts, or rural life		3-3	Science, home economics, rural life, or industrial arts		3-3
Physical education		2	Physical education		2
Orientation		1			
Total		13-17	Total		13-17
Sophomore Year					
First Semester		Hour	Second Semester		Hour
Literature, art, music, speech, or foreign language		3	Literature, art, music, speech, journalism, foreign language		3
History, political science, Bible, economics, or sociology		3	Sociology, economics, Bible, history, political science		3
Biology, chemistry, physics, mathe- matics or natural science		3-5	Biology, chemistry, physics, mathe- matics or natural science		3-5
Home economics, industrial arts, rural life		1-4	Home economics, industrial arts, rural life		3-5
Electives		3-5	Electives		3-5
Total		13-17	Total		13-17

BUSINESS ADMINISTRATION

The general curriculum has been planned to give the student a broad cultural education which is needed for work in this area.

In order to properly choose specific courses it is necessary to consult with the head of the department. Unless the student has attained reasonable proficiency in shorthand and typing before entering college, courses in these subjects should be elected, especially for certain types of work.

HOME ECONOMICS

The following courses are usually obtained in the first two years. The student should consult with the head of the department at the time of enrollment in order to elect the most reasonable sequence to meet particular needs.

Home Economics 3, 4, 31, 32, 15, 16, 23, 24; Chemistry 1; Biology 1; Sociology 75; English 1, 2 or 3, 4.

INDUSTRIAL ARTS

Courses suggested for the first two years are as follows. Early counsel with the department head will make possible a proper sequence of courses as well as wise choices for electives.

Industrial Arts 3, 12, 45 or 53, 46 or 54, 55 or 65, 56 or 66, 57 or 58, 59 or 60; English 1, 2, or 3, 4; Sociology 25 or 75; Philosophy and Religion 21, 22; Speech 31, 34.

LAW

Many law schools now require four years of college training for admission. The general curriculum given is planned with this in mind. Students should choose an emphasis in economics and strong support from courses in history. The student should counsel with the heads of the departments of economics or history.

LIBRARY

Education for students planning to become librarians should be as well rounded and as extensive as possible. Four years of college, followed by at least one or two years of professional study at an accredited library school, is the surest foundation for library work. In the general college work, the student should plan his course so as to acquire a good background in history, and in American, English, and foreign literatures, and a working knowledge of a leading foreign language. Many library schools require at least two years of a foreign language for entrance. Study in the social sciences, psychology and education, and the physical sciences is important. An English major with strong supporting courses in the social sciences is good preliminary training for librarianship. If the student prefers, he may major in one of the social sciences with strong supporting courses in English.

NATURAL SCIENCE PROFESSIONS

All students who are interested in medicine, dentistry, nursing, medical technology, veterinary medicine, biology, chemistry, engineering, geology, physics, or mathematics should take all of the courses below in his chosen field during his freshman and sophomore year. Consultation with one of the department heads will make it possible for him to choose the proper electives for his own particular situation and to meet the distribution requirements for general education.

Biology	Math 5, 6	Chem 1, 2	Biol 1, 52, 61	Physics 5, 6
Chemistry	Math 5, 6, 51, 52	Chem 1, 2, 3	Biol *	Physics 5, 6
Dentistry	Math 5, 6	Chem 1, 2, 3	Biol 1, 52, 61	Physics 5, 6
Engineering	Math 5, 6, 51, 52	Chem 1, 2		Physics 5, 6
Geology	Math 5, 6	Chem 1, 2	Biol *	Physics 5, 6
Mathematics	Math 5, 6, 51, 52	Chem 1, 2	Biol 1, 52	Physics 5, 6

Medical					
Technology	Math 5	Chem 1, 2	Biol 1, 52	Physics 5, 6	
Medicine	Math 5, 6	Chem 1, 2	Biol 1, 52, 61	Physics 5, 6	
Nursing	Math 5	Chem 1, 2	Biol 1, 52		
Physics	Math 5, 6, 51, 52	Chem 1, 2	Biol 1, 52	Physics 5, 6	
Science					
Teaching	Math 5, 6, 51	Chem 1, 2, 3	Biol *	Physics 5, 6	
Veterinary					
Medicine	Math 5, 6	Chem 1, 2	Biol 1, 52	Physics 5, 6	*1, 2, or 52

A faculty counselor will assist each student in planning a program of studies for his junior and senior years. A pre-professional student should begin planning a program during his freshman year which meets the requirements of the school that he is planning to enter.

The following program of science courses is recommended for all students preparing to teach biology, chemistry, general science, physics or mathematics in high school: Mathematics 5, 6, 51; Physics 5, 6; Chemistry 1, 2, and 111; Geology 104; Biology 1, 52, and 105; and a minimum of three courses chosen from Biology 116, 32, and 183 or 184; Chemistry 3, 105 or 66, and 161 or 162; Mathematics 101, 102, 116, and 121, at least one of which should be in Biology and one in Chemistry or Mathematics.

PRE-ENGINEERING

The courses listed below are common to the first two years of standard engineering schools.

McPherson College has an arrangement with Kansas State College, the University of Kansas, and the University of Wichita for a joint program which will enable the student to earn two degrees—either the Bachelor of Arts or the Bachelor of Science at McPherson College and a Bachelor of Science degree in the field of engineering at Kansas State College, the University of Kansas, and the University of Wichita.

Under this program a student will take his first three years at McPherson and complete at least ninety-four hours of credit, including the courses listed below. He will also meet distribution requirements as listed in this bulletin. Provided satisfactory work is done, he will be eligible to transfer to Kansas State College, the University of Kansas, or the University of Wichita. Upon completion of thirty additional hours of satisfactory upper level work at one of the institutions listed above he will receive his bachelors degree from McPherson College and, after satisfactory completion of the requirements of the school he enters, he will receive the Bachelor of Science degree in the field of engineering. Normally the time for the program is five

years, but this depends somewhat on the particular field of engineering chosen.

ENGINEERING CURRICULUM

The required courses for the five-year program are noted below:

Freshman Year		Second Semester	
First Semester	Hours	Second Semester	Hours
English 1	3	English 2	3
Algebra 3	3	Trigonometry 6	3
General Chemistry 1	4	Inorganic Chemistry 2	5
Engineering Drawing 3	3	Machine Drawing 12	3
Art or Music	1	Political Science	3
Orientation	1		

Sophomore Year		Second Semester	
First Semester	Hours	Second Semester	Hours
Analytical Geometry and Calculus 51	5	Analytical Geometry and Calculus 52	5
Physics 5	4	Physics 6	4
Literature	2	Psychology	3
Speech	2	Physical Education	2
Economics	2	Elective	3
Elective	1		

Junior Year		Second Semester	
First Semester	Hours	Second Semester	Hours
Calculus 101	3	Calculus 102	3
Biology	4	Mechanics 116	3
Bible	3	Bible	3
Sociology	3	Physical Education	2
Atomic Theory	2	History	3
		Elective	3

RURAL LIFE

The Rural Life curriculum is suggested not only for those who are interested in farming and rural life, but also for students who wish to become economic, social, and religious leaders in rural communities, in both domestic and mission fields. Courses recommended for the first two years are as follows; the electives should be chosen in consultation with the department head.

Rural Life 7, 9, 22, 24, 56, 57, 59, 65, 66; Industrial Arts 3, 51-52, 53-54; Biology 1; English 1, 2 or 3, 4; Speech 31 or 32.

TEACHING

See Education and Psychology.

SOCIAL WORK

Opportunities to do social work are becoming increasingly attractive. The general curriculum, if followed, choosing the emphasis in sociology courses, will give the preliminary training needed for the final two years of concentration in the sociology department.

THEOLOGY

The American Association of Theological Schools and Bethany Biblical Seminary recommend a broad and comprehensive college education as a basis for theological study. The curriculum should include at least twelve semester hours in composition and literature, six in philosophy, six in Bible, six in history, three in psychology, twelve to

sixteen in foreign language, six in natural science, and six in social science. In keeping with this recommendation, McPherson College urges the completion of a four year course leading to the A. B. degree with a major in any of the departments offering a major.

Schedule of Classes for Each Week

Students will find it convenient to enter in the following weekly schedule the times of meeting for the classes which are tentatively chosen for a semester of work. It will be helpful to have this available for your counselor when final enrollment is made. Planning your program carefully and wisely will contribute much to an enjoyable and successful college experience.

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:45	0	1	1	Faculty M.	1
8:40	2	A0	2	A0	2
9:35	3	Chapel	3	3	Assembly Pop Assembly
10:30	B	4	B	4	4
11:25	5	5	C	5	C
Noon					
1:15	6	D	6	D	6
2:10	7	E	7	E	7
3:05	As arranged by the Department of Music and other non-conflicting events.				
4:00	As arranged by the Department of Physical Education and other non-conflicting events.				
4:55					

Note: 0, 1, 2, 3, 4, 5, 6, 7 represent three hour classes.

A, B, C, D, E, represent two hour classes and laboratories.

Laboratories are assumed to be arranged at any time satisfactory to all parties concerned.

IV. Courses of Instruction

The courses of instruction are numbered according to the following system:

(a) Courses numbered 1-99 inclusive are Junior College, or "B" courses usually designed for freshmen and sophomores. All four classes will rarely be admitted to the same course. If a "B" course is open to seniors, freshmen will be denied enrollment. If freshmen enroll in a "B" course, as is usual, the seniors will be denied admission.

(b) Courses open to juniors and seniors, the so-called "A" courses, are numbered 100-200 inclusive.

(c) Odd numbers indicate first semester courses.

(d) Even numbers indicate second semester courses.

(e) Hyphenated numbers indicate continuous courses.

(f) Numbers separated by a comma indicate repeating courses.

The following departments of study should be considered as conveniences of organization rather than marking off compartments of education. In harmony with the purpose and aims of the college it is the final objective of any mechanical arrangement of course study or curriculum to effect an integration rather than segmentation of the training of the student.

Art

1-2. DRAWING AND PAINTING—Studies in still life from observation. Introduction to composition, perspective, color theory, and various methods of modeling volumes. (Charcoal and pastels). *One or two hours. 3:05-4:50, M., W.*

6. FIGURE DRAWING—Drawing of the head and figure in charcoal. Study of the fundamental bone and muscle structure of the human body. Portraiture in pastel. *Two hours. 7:45-9:30, M., W.*

7. ART TODAY—A survey course to stimulate an interest in art. Covering all art activities, products, materials, and processes. *Two hours. 10:30, M., W.*

8. HISTORY OF ART—Acquaints the student with the visual arts of the past. Lectures supplemented by visual material. *Two hours. 10:30, M., W.*

25. ART EDUCATION—Methods of guiding and motivating creative expression in children. Organization of an art program and practice in basic art techniques. *Three hours. 2:10, M., W., F.*

32. SCULPTURE—An introduction to modeling in clay and carving

in wood. Plaster mold making and casting techniques. *Two hours.* 1:15-3:05, W., F.

51. CERAMICS—Investigation of simple processes; coil built shapes, one piece molds, slip casting, wheel practice, surface enrichment, and glaze theory. *Two hours.* 1:15-3:05, T., Th.

52. ADVANCED CERAMICS—Ceramic sculpture, advanced wheel work and glaze research, multiple-piece mold making and production techniques. Prerequisite: Ceramics 51. *Two hours.* 1:15-3:05, T., Th.

53. ENAMELING—Elementary principles in the process of fusing glass to metal. Adaptable to the making jewelry, small bowls, and plaques. *One to two hours.* By appointment.

55. PHOTOGRAPHY—Basic lighting, portrait and architectural techniques with emphasis on composition. Developing, printing, and finishing processes and care of equipment. *One to two hours.* By appointment.

101. PAINTING—Watercolor, casein, and oil techniques using still life, landscape, and the human figure as subjects. Prerequisite: 1, 2, or 3. *One to two hours.* By appointment.

108. ENGRAVING—A study of block printing with the wood and linoleum block, their preparation, the engraving ink and printing. *Two hours.* By appointment.

109. COLOR—A scientific and aesthetic study of color. Creation of color harmonies. Analysis of the Ostwald and Munsell systems and their applications in homes and industry. Designed for industrial art, home economics, and business majors.

112. UNDERSTANDING MODERN ART—The history and development of contemporary art as a social expression. *Two hours.* 8:40-9:30, T., Th.

The work of all students is under the control of the Art Department until after the annual student exhibit. The department also reserves the right to retain two examples of the work of every student each year. These will be returned to the student upon graduation.

Biology

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hours including either courses 1, 52, 61, 105, 116, and 183 or 184; or courses 1, 32, 34, 105, 116, and 183 or 184.

RELATED SUPPORTING COURSES REQUIRED: Chemistry 2, either Chemistry 4 or 111, and Physics 5 and 6.

NOTE: Biology I is a prerequisite for all other courses in the Biology Department.

1. GENERAL BIOLOGY—An introductory study of plants and animals. Three recitations and two hours of laboratory a week. *Four hours.* 8:40, M., W., F.; and 10:30, T., Th., F.

2. HUMAN BIOLOGY—On introductory study of human anatomy physiology, reproduction, growth and development. Human physiology receives special emphasis. This course is not recommended for students who plan to take Biology 52. *Four hours. 8:40, M., W., F.*

32. BOTANY—A study of the anatomy, physiology, development, and ecology of plants. Representatives from each phylum are studied but major emphasis is placed upon the seed-bearing plants. Three recitations and three hours laboratory a week. Alternate years; offered 1957-1958. *Four hours. 9:35, M., W., Th.*

34. MICROBIOLOGY—A general study of bacteria, yeasts, molds, viruses, and other microorganisms which includes consideration of their structure, metabolism, classification, identification, and importance to man. Two recitations and three hours laboratory a week. Prerequisite: Chemistry I. Alternate years; offered 1957-1958. *Three hours. 8:40, T., Th.*

52. PHYSIOLOGY AND ANATOMY—A thorough study of the physiology of the human body, including a consideration of human anatomy to the extent that it is necessary for the understanding of human physiology. Three recitations and three hours laboratory a week. Prerequisite: Chemistry I or the consent of the instructor. *Four hours. 7:45, T., W., F.*

51. COMPARATIVE ANATOMY—A comparative anatomical study of representative vertebrates. The course is largely a discussion of the homologies and analogies of the vertebrate systems with appropriate laboratory exercises. Three recitations and six hours laboratory a week. *Five hours. 7:45, T., W., F.*

105. INVERTEBRATE ZOOLOGY—A comparative study of the invertebrate phyla including their anatomy, physiology, ecology and kinships. Three recitations and three hours laboratory a week. Alternate years; offered 1958-1959. *Four hours. 9:35, M., W., Th.*

109. EMBRYOLOGY—A study of the development of vertebrate animals with major emphasis on human development. Prerequisite: Biology 62 or the consent of the instructor. Alternate years; offered 1957-1958. *Three hours. 9:35, M., W., Th.*

116. ECOLOGY—A study of the relationships of organisms to their environments, including both physical and biotic environments. Prerequisite: Biology 105 or the consent of the instructor. Alternate years; offered 1958-1959. *Three hours. 9:35, M., W., Th.*

163. CYTOLOGY AND HISTOLOGY—A study of plant and animal cells and animal tissues with respect to the component structures and their functions. The laboratory work includes practice in the preparation of microscope slides. Two recitations and three hours laboratory a week. Alternate years; offered 1957-1958. *Three hours. 10:30, M., W.*

183, 184. GENETICS—A study of the principles of heredity and the nature and action of genes. Three recitations and three hours lab-

oratory a week. *Four hours.* 7:45, M., 8:40, T., Th. First Semester, 1958-1959; Second Semester, 1957-1958.

189-190. **PROBLEMS IN BIOLOGY**—Advanced study of special topics in biology. Prerequisite: Consent of the instructor. *One to three hours.* By appointment.

Chemistry

REQUIREMENTS FOR A MAJOR: Chemistry 1, 2, 111, 112, 105 or 106 and other courses which seem most desirable for the student's future study and work.

RELATED SUPPORTING COURSES REQUIRED: Mathematics 5-6; Physics 5-6 and Mathematics 51-52 is recommended.

1. **GENERAL COLLEGE CHEMISTRY**—A study of the fundamental principles of chemistry, the properties of matter and what changes it may undergo. Some historical background is presented along with an emphasis on the importance of chemistry to our modern World. Lecture three hours; Laboratory three hours. *Four hours.* 10:30, T., Th., F. Laboratory T, or W, 1:15-3:55.

2. **INORGANIC CHEMISTRY**—A systematic study of the chemistry of the metals and non-metals and laboratory work in qualitative analysis. Lecture three hours; Laboratory six hours. Prerequisite: Chemistry 1. *Five hours.* 10:30, T., Th., F.

3. **ANALYTICAL CHEMISTRY**—A continuation of the study of qualitative analysis leading into quantitative analysis. Emphasis will be placed on the interrelation of the two fields and both qualitative and quantitative analysis will be carried out in the laboratory work. Lecture two hours; Laboratory three hours. Prerequisite Chemistry 2. *Three hours.* 10:30, M., W. Laboratory, M., 1:15-3:55.

4. **INTRODUCTORY ORGANIC CHEMISTRY**—A study of the fundamentals of organic chemistry including both aliphatic and aromatic compounds, proteins, carbohydrates and fats. The course is primarily for non-science majors with emphasis on nutritional, medicinal, and biochemical aspects of organic chemistry. Lecture three hours; Laboratory two hours. Prerequisite: Chemistry 1. *Four hours.* 10:30, T., Th., 1:15, F. Laboratory, F., 2:10-3:55.

105-106. **QUANTITATIVE ANALYSIS**—Principles and practice in the determination of inorganic substances by volumetric, gravimetric, electro-metric, colorimetric, and other methods of analysis. It is permissible to begin the course in either semester. Lecture two hours; Laboratory six hours. Prerequisite Chemistry 2. Alternate years; offered 1957-1958. *Five hours.* 8:40, T., Th.; Laboratory, M., 1:15-3:00, and as arranged.

111-112. **ORGANIC CHEMISTRY**—A study of the principles of organic chemistry, organic reactions, their mechanism, properties and chemistry

of organic compounds, both aliphatic and aromatic. Emphasis on synthetic organic chemistry. Lecture three hours; Laboratory three hours. Prerequisite: Chemistry 2. Alternate years; offered 1958-1959. *Four hours. 11:25, M., T., Th.*

131, 132. **ADVANCED ORGANIC PREPARATIONS**—Laboratory work in the preparation of special organic compounds. Laboratory, three or six hours. Prerequisite: Chemistry 111. *One or two hours. As arranged.*

133, 134. **ADVANCED INORGANIC PREPARATIONS**—Laboratory work in the preparation of special inorganic compounds. Laboratory three or six hours. Prerequisite: Chemistry 2 and consent of instructor. *One or two hours. As arranged.*

140. **NATURAL SCIENCE WORKSHOP**—Attention will be given to the usefulness of an understanding of science in teaching in the elementary school. Summer 1957. *One hour.*

141. **BIOCHEMISTRY**—A study of the chemistry of plant and animal life with emphasis on the chemistry of the human body. Lecture three hours; Laboratory three hours. Prerequisite: Chemistry 4 or 111. Alternate years; offered 1958-1959. *Four hours. 8:40, M., W., F. Laboratory W., 1:15-3:55.*

161-162. **PHYSICAL CHEMISTRY**—A study of the physical and theoretical aspects of chemistry including thermodynamics and nuclear chemistry. The course can be started in either semester. Lecture three hours; Laboratory two hours. Prerequisite: Chemistry 106, 112, Mathematics 52 or the consent of the instructor. Alternate years; offered 1957-1958. *Four hours. 8:40, M., W., F.*

189-190. **PROBLEMS IN CHEMISTRY**—Advanced study of special topics in chemistry. Prerequisite: Consent of the instructor. *One to three hours. As arranged.*

GEOLOGY

104. **GEOLOGY**—A study of the materials and surface features of the earth, the agencies that produce and change them, and their application to man and his uses of them. A study of earth history as shown by fossils and rock structure. Lecture, three hours; laboratory, one hour. Prerequisite: Consent of instructor. Alternate years; offered 1958-1959. *Three hours. 8:40, M., W., F. (Also evening school)*

Economics and Business Administration

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hours including courses 1-2, 4, 5-6, 125 or 126, 130, and 151.

Students who plan to teach high school commercial subjects are advised to prepare to teach both shorthand and typewriting.

1, 2. **ELEMENTARY ECONOMICS**—This is the first semester of the general economics course. It deals with these major topics: the

resources, income, and production organization of the United States; money, banking, and the volume of economic activity; pricing and the allocation of resources. *Three hours.* First semester 10:30, T., Th., F. and 11:25, M., T., Th. Second semester 10:30, T., Th., F.

4. **ELEMENTARY ECONOMICS**—This is the second semester of general economics, and deals with these major topics: distribution of income; international economics; public finance; public policy and economic growth. *Three hours.* 11:25, M., T., Th.

5-6. **ELEMENTARY ACCOUNTING**—Fundamental principles of accounting. Theory of debit and credit as applied to the keeping of double entry books. Preparation of simple financial statements and method of closing the ledger. Partnership and corporation accounting. The use of columnar books and controlling accounts. *Three hours.* 1:15, M., W., F.

30. **PRINCIPLES OF GEOGRAPHY**—The relation of man to his environment. Physical factors and their effects on man's activities. Regional influences. Primarily a content course which will satisfy the geography requirements for an elementary teacher's certificate. *Three hours.* 8:40, M., W., F.

105. **INTERMEDIATE ACCOUNTING**—A study of accounting principles and procedures essential to the preparation of adequate financial statements with emphasis on the corporate forms. Special attention is given to capital contributions, treasury stock, adjustments and statements of surplus, income determination, cash, receivables, and inventory. Prerequisite: Elementary Accounting. Alternate years; offered 1957-1958. *Two hours.* 8:40, T., Th.

106. **INTERMEDIATE ACCOUNTING**—A continuation of course 105. Deals mainly with consignments, installments, investments, fixed assets, depreciation and depletion, intangible assets, current and fixed liabilities, funds and reserves, and analysis of financial statements. Prerequisite: 105. Alternate years; offered 1957-1958. *Two hours.* 8:40, T., Th.

109. **INTERNATIONAL ECONOMICS**—This course deals with the theory of international values as related to foreign trade, the mechanism of international adjustment, foreign exchange, and other international aspect of monetary theory and banking practice. Among topics covered are: international economic policy, free trade and protection, reciprocal trade agreements, exchange control, economic warfare, and imperialism. Prerequisite: one course in economics or by consent of instructor. Alternate years; offered 1958-1959. *Two hours.* 8:40, T., Th.

110. **BUSINESS LAW**—Survey of the background of law. Contracts, sales, agency, bailments, negotiable instruments, partnerships, and corporations are among the subjects discussed. Emphasis on the relation of law to ordinary business transactions. Alternate years; offered 1957-1958. *Three hours.* 1:45, T., W., F.

116. **INCOME TAX ACCOUNTING**—A study of the federal income tax laws regarding taxable income, deductions, exemptions, calculation of tax, and filing returns. The course covers federal income tax for the individual, partnerships, and small corporations. Some attention is given to Kansas State individual income tax. Prerequisite: three hours of accounting or consent of the instructor. Alternate years; offered 1958-1959. *Two hours. 8:40, T., Th.*

121. **MARKETING**—A study of the functions of marketing and the agencies performing these functions. Elimination of middlemen by co-operative marketing and direct marketing. The retail system, problems of price setting, price maintenance, unfair competition, and relation of government to marketing. Alternate years; offered 1957-1958. *Two hours. 11:25, W., F.*

125. **BUSINESS ORGANIZATION AND FINANCE**—Forms of business organizations, financial policies, and methods of raising capital, forms of securities, theory of plant location, equipment of the plant, determination of costs, scientific management, and employment problems. Alternate years; offered 1957-1958. *Three hours. 7:45, T., W., F.*

126. **INTERMEDIATE ECONOMIC THEORY**—Designed to acquaint the upperclassmen with important theories of recent and contemporary economists and with the relation of economic activities to the general social welfare. Open to students who have had a course in elementary economics and other upperclassmen with the consent of the instructor. Alternate years; offered 1958-1959. *Two hours. 11:25, W., F. Summer 1957. Three hours.*

130. **PUBLIC FINANCE**—Public expenditures, public revenues, public debt, and the tax problem are considered. Special emphasis is placed upon shifting and incidence of taxation, and upon the present tax system in the United States. Alternate years; offered 1958-1959. *Three hours. 7:45, T., W., F.*

140. **LABOR ECONOMICS**—Growth of a working class; trade-unionism, collective bargaining, and public policy; economics of income and security. Emphasis on recent labor legislation and on recent developments in the field of social security. Alternate years; offered 1957-1958. *Two hours. 11:25, W., F.*

151. **MONEY AND BANKING**—Nature and functions of money, relation to prices, monetary system of U. S., functions of banks, bank statements, bank credit, the American banking system, bank organization, foreign exchange, and foreign banking systems. Alternate years; offered 1958-1959. *Three hours. 7:45, T., W., F.*

199-200. **INDEPENDENT STUDY IN ECONOMICS**—See regulations governing independent study. *One to three hours.*

Education and Psychology

OBJECTIVES OF THE DEPARTMENT

It will be the purpose of the department to encourage promising students to enter the teacher education program.

It will be the aim of the department to evaluate and offer professional courses for adequately preparing students to teach, administer, or supervise in schools.

Constant study will be conducted in order to provide the most valuable experiences in understanding child growth and development, the supervision of children, the development of the curriculum, and approaches to the solving of the problems of teaching.

Prospective teachers will receive guidance in developing successful teaching competencies and well-rounded personalities. We believe that the following competencies, characteristics and abilities should be cultivated: knowledge of subject matter; mental alertness; good usage of spoken and written English; knowledge of and interest in world and community affairs; ability to think clearly, logically, and critically; loyalty to truth in all areas; breadth of view and toleration of viewpoint of others; social competence and responsibility; a Christian philosophy of life; poise, self-control, and self-discipline; progressive achievement toward a desirable personality; leadership; promptness and dependability; faithfulness in duties; physical vitality and health; emotional maturity; cooperative attitude toward school and community; pleasing personal appearance; resourcefulness and initiative; and genuine concern for the welfare of the pupil.

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hours.

REQUIREMENT FOR ALL TEACHERS: Education Seminar 186. This is in addition to courses required for certification.

1. 2. **GENERAL PSYCHOLOGY**—A basis for a general knowledge of human psychology, with the inclusion of such topics as the nervous system, sensation, emotion, perception, learning, intelligence, and personality. *Three hours. 2:35, M., W., Th. First semester, also 1:15, M., W., F.*

AREA DISTRIBUTION

Professional education for meeting certification requirements involves these areas: (A) courses directed toward understanding the pupil, (B) courses directed toward understanding the function of the school as a social institution, and (C) courses directed toward obtaining competence in instruction. The courses listed under each area are those which will meet the requirement in that area.

A—Guidance

117. **UNDERSTANDING THE CHILD**—(Elementary Block) A course

designed to give the teacher an understanding of some of the principles of educational psychology so that he can give guidance to the child in helping him to meet the problems that he encounters in his relationship with the school. Also includes units on providing favorable conditions for the acquiring, retention, and effective use of knowledge. *Six hours.* 7:45-9:35, M., T., W., F., 8:40-10:25, Th., plus laboratory. (Class meets the first six and last four weeks of the semester.)

118. **PSYCHOLOGY OF ADOLESCENCE**—A study of the transition experience that bridges the gap between childhood and adulthood; the physiological experience of puberty; the psychological experience of attaining maturity; and the sociological experience of adjustment of teen-agers. *Three hours.* 7:45, T., W., F.

119. **UNDERSTANDING THE PUPIL**—(Secondary Block) An integrated course presenting tools and techniques used by guidance workers in secondary schools along with a basic understanding of the psychological principles that govern human behavior in relation to the learning process. *Six hours.* 7:45-9:35, M., T., W., F., 8:40-10:25, Th., plus laboratory. (Class meets the first six and last four weeks of the semester.)

142. **CHILD GROWTH, DEVELOPMENT, AND PSYCHOLOGY**—A study of the physical, mental, social, and personal growth and development of the child from birth to adolescence. Also a view of the principles involved in understanding and guiding young children. *Three hours.* 1:15, M., W., F.

144. **NONTYPICAL CHILD**—A basis for the understanding and adjustment of educational problems of elementary school children who show exceptionalities such as feeble-mindedness, giftedness, subject disabilities, speech disorders, blindness, deafness, behavior problems and delinquency. *Three hours.* 7:45, T., W., F.

B—Principles

15 and 115. **INTRODUCTION TO EDUCATION**—An orientation to teaching with stress upon planning for a career in teaching as a profession with the consideration of the teacher's role in his profession and in society, the historical background and the present organization of the American public school system, and the legal aspects of such problems as certificates, contracts, retirement, school aid, and taxation. *Three hours.* 1:15, M., W., F.

100. **PRINCIPLES OF ELEMENTARY EDUCATION**—An orientation to fundamental issues, ideas, and concepts regarding the education of children of elementary school age and a study of the objectives, subject matter, and organization of elementary education for learning. *Three hours.* 11:25, M., T., Th.

145. **THE SECONDARY SCHOOL**—A study of the aims and objectives of secondary education, the place of various subject matters in the attainment of these goals, the trend in contemporary curriculum think-

ing and practice, and the problem of coordinating the education of the secondary school with elementary and higher education. *Three hours.* H(25), M., T., W., Th., F., plus laboratory. (Class meets the first six and last four weeks of semester.)

C—Instruction

11. INSTRUCTION METHODS, MATERIALS, AND OBSERVATION IN THE ELEMENTARY SCHOOL—Study and observation of methods of teaching and evaluating pupil progress with emphasis on how to direct learning in each of the language arts, and the collection and organization of materials for teaching and learning. *Three hours.* 10:30, T., Th., F.

111. INSTRUCTION METHODS: THE TEACHING OF READING—A study of the methods of teaching reading; a course which is part of the elementary education block for seniors. *Three hours.* 10:30, M., T., W., Th., F. (Class meets the first six and last four weeks of the semester.)

133. THE TEACHING OF LANGUAGES AND LITERATURE—A methods course designed particularly for students who plan to teach English and languages. Seven units—composition, literature, library methods, ancient languages, modern languages, speech, and journalism—are included. Offered by the English and language staff. Alternate years; offered 1957-1958. *Three hours.* 4:00-6:00, W.

135. ELEMENTARY MUSIC METHODS—A course in the study of methods and materials for teaching music in the elementary grades. It includes care and development of the child voice, music reading, rhythm work, and the appreciation of music. Required of students majoring in the music supervisor's curriculum. Special projects as assigned by the teacher. *Three hours.* 8:40, M., W., F.

136. HIGH SCHOOL MUSIC METHODS—Classification of voices, music appreciation, and outlines for teaching all musical activities for junior and senior schools. Alternate years; offered 1957-1958. *Three hours.* 8:40, M., W., F.

153. SUPERVISED STUDENT TEACHING IN THE ELEMENTARY SCHOOL—Seniors who are qualifying for degree elementary certificates will participate in the elementary educational block program which allows them to do observing and teaching under an elementary school supervisor in the city of McPherson and towns of the surrounding area all day long for a period of eight weeks. *Six hours.* M., T., W., Th., F. By appointment. Weekly conference, 7:45, M. (Weeks seven to fourteen, inclusively.)

155. SUPERVISED STUDENT TEACHING IN THE SECONDARY SCHOOL—Students observe and do actual teaching on a full day basis for eight weeks under the guidance of supervising teachers in the secondary schools of the city of McPherson and towns of the surrounding area. 1 hour weekly conference, 6:00 p. m., W. *Six hours.* By appointment. (Weeks seven to fourteen, inclusively.)

157. METHODS OF TEACHING INDIVIDUAL SPORTS—Presentation of teaching techniques and analysis of the fundamental skills of individual sports. Training in officiating and managing tournaments in the intramural program. Prerequisites: Courses 3-4-5-6 in Physical Education or permission of the instructor. Alternate years; offered 1958-1959. *Three hours. 9:35, M., W., Th.*

158. METHODS OF TEACHING TEAM SPORTS—Same as 157 except that emphasis is placed on team sports rather than individual sports. Prerequisites: Courses 3-4-5-6 or permission of the instructor. Alternate years; offered 1958-1959. *Three hours. 9:35, M., W., Th.*

D—Special

186. EDUCATION SEMINAR—A seminar on current problems in the field of education, methods of teaching and historical background and present organization of the American Public School system. Prerequisite: Completion of, or concurrently enrolled in, courses which meet requirements for teacher's certification. *Two hours. 8:40, T., Th.*

180-190. PROBLEMS IN EDUCATION OR PSYCHOLOGY—Advanced study of special topics in education or psychology. Prerequisite: Consent of the instructor. *One to three hours. By appointment.*

NOTE: On sufficient demand, other courses may be offered as authorized in catalog 1955-1957.

TEACHER EDUCATION

Students who wish to enter the teaching profession must present satisfactory evidence of teaching aptitude, physical fitness, scholarship, personality, and character. To be recommended for certification, a student must have as many grade points as he has semester hours of credit or a "C" average in all college work.

Students who wish to qualify for any teaching certificate must receive the approval of an examining committee, composed of the Dean of the College and the members of the Education faculty. *The applications of students who wish to qualify for a degree certificate must be approved before enrollment for the first semester of the junior year.*

Application forms may be obtained from the head of the Department of Education at the time of registration and when completed, returned to him.

An excellent learning situation is provided for student teaching both in the schools of the city of McPherson, and towns of the surrounding area.

Student teaching is done in a "block" of time. It begins the seventh week of the semester and continues through the fourteenth. Those students who are assigned schools outside McPherson are urged to move into the community and take part in its activities the same as local teachers. Students not only observe methods in teaching and the

demonstration and use of modern equipment and teaching materials, but also assume responsibility in the area of extra-curricular activities.

REQUIREMENTS FOR ELEMENTARY TEACHERS

Only those teachers who have been trained in elementary education shall be permitted to teach in elementary schools.

SUGGESTED DEGREE ELEMENTARY CURRICULUM IN TEACHER EDUCATION

Freshman Year		Second Semester	
First Semester	Hours	Second Semester	Hours
English	3	English	3
Science	4	Science	4
United States History	3	United States History	3
Speech	2	General Psychology	3
Orientation	1	Children's Literature	3
Playground Activities	2		
Total	16	Total	16

Sophomore Year		Second Semester	
First Semester	Hours	Second Semester	Hours
Introduction to Literature	3	Introduction to Literature	3
*Introduction to Education	3	Principles of Geography	3
Principles of Sociology	3	New Testament Life and Literature	3
United States Government	3	School Health Education	3
Elementary School Music	2	Elementary Economics	3
Piano or Voice	2	Piano or Voice	2
Total	17	Total	17

Junior Year		Second Semester	
First Semester	Hours	Second Semester	Hours
Principles of Arithmetic	3	*Principles of Elementary Education	3
Elementary School Science	3	Bible	3
Elementary School Art	3	Elective: Social Science, Humanities, Science, and Practical Arts	11
American Poetry and Essay	3		
Piano or Voice	2		
Elective: Social Science, Humanities, Science, and Practical Arts	3		
Total	17	Total	17

Senior Year		Second Semester	
First Semester	Hours	Second Semester	Hours
*Supervised Student Teaching	6	*Nontypical Child	3
*Understanding the Child	3	*Education Seminar	2
*Instruction Methods (reading)	2	Elective: Social Science, Humanities, Science, and Practical Arts	11
Total	11	Total	16

*Starred courses indicate the required courses.

REQUIREMENTS FOR THE DEGREE ELEMENTARY CERTIFICATE

a. GENERAL EDUCATION—46 semester hours minimum credit distributed as follows:

Social science (including history)	10
Literature, language, art, philosophy, or general religion	10
Physical and biological sciences (must include courses in both)	10
Electives in above areas (3 semester hours in general psychology and 5 semester hours of basic courses in history and appreciation of music and art may be included)	15
Total	46

b. PROFESSIONAL EDUCATION—24 semester hours distributed as follows:

A minimum of—

6 semester hours directed toward understanding the individual, such as courses in educational psychology, child psychology, child development, human growth and development, the nontypical child, theory of personality, etc.

6 semester hours directed toward understanding the school as a social institution, including some emphasis on public and professional relations from such courses as educational sociology, history of education, social foundations of education, school and society, principles of education, philosophies of education, etc.

6 semester hours directed toward obtaining competence in instruction at the elementary level which must include at least 3 semester hours in directed teaching. Other courses in this field may be general or special methods.

6 semester hours elective in professional courses.

c. RELATED ACADEMIC EDUCATION—15 semester hours.

15 semester hours in nonprofessional courses specifically designed to supply content appropriate for elementary school instruction from courses such as music, art, physical education, health, general science, general mathematics, children's literature, play activities, practical arts, geography, history, and government. (These courses may overlap the general education requirements in some cases, but may be counted only once in meeting requirements.)

d. Comprehensive courses may be accepted in meeting requirements in a, b, and c above if subject matter as indicated is included in such courses. Apportionment shall be recommended by the college in which the courses were taken.

REQUIREMENTS FOR SECONDARY TEACHERS

Certificates issued to secondary teachers shall limit their teaching to the secondary field.

SUGGESTED CURRICULUM IN TEACHER EDUCATION FOR SECONDARY SCHOOL PERSONNEL.

First Semester		Freshman Year		Second Semester	
	Hours		Hours		Hours
English	3	English	3	English	3
Science	4	Science	4	Science	4
Speech	2	General Psychology	3	General Psychology	3
Orientation	1	Elementary Economics	3	Elementary Economics	3
U. S. History	3	U. S. Government	3	U. S. Government	3
Principles of Sociology	3				
Total	16	Total	16	Total	16

First Semester		Sophomore Year		Second Semester	
	Hours		Hours		Hours
Introduction to Literature	3	Advanced Speech	3	Advanced Speech	3
Art or Ceramics	2	Music Appreciation	3	Music Appreciation	3
Marriage & Family	3	Physical Education	2-3	Physical Education	2-3
Physical Education	2-3	New Testament	3	New Testament	3
Major Field Studies	6	Major Field Studies	6	Major Field Studies	6
Total	16-17	Total	16-17	Total	16-17

First Semester		Junior Year		Second Semester	
	Hours				Hours
*Introduction to Education	2	English Grammar			2
Life and Teachings of Jesus	2	Natural or Applied Science			2
Introduction to Philosophy	2	Political Science			2
Major Field Studies	3-5	Major Field Studies			4-2
Science	2				
Total	16-17	Total			16-17

First Semester		Senior Year		Second Semester	
	Hours				Hours
*Understanding the Pupil	5	*Education Seminar			2
*Supervised Student Teaching	7	Major Field Studies			2
*Secondary School	2	Natural or Applied Sciences			2
		Fine Arts			2
Total	15	Total			14

*Courses that meet secondary requirements.

In order to be eligible to teach in any of the secondary schools of the state, the applicant shall have the following minimum requirements:

a. 45 semester hours of general education including:

Social sciences (including history)	10
Literature, language, art, philosophy, or general religion	10
Physical and biological sciences (must include courses in both)	10
Electives in above areas (3 semester hours in general psychology and 5 semester hours of basic courses in history and appreciation of music and art may be included)	15
Total	45

b. 18 semester hours of professional education including:

6 semester hours directed toward understanding the individual, such as courses in educational psychology, child development, human growth and development, the nontypical child, guidance, theory of personality, etc.

6 semester hours directed toward understanding the function of the school as a social institution including some emphasis on public and professional relations from such courses as educational sociology, history of education, and philosophies of education.

6 semester hours directed toward obtaining competence in instruction at the secondary level which must include at least 3 semester hours in directed teaching. Other courses in this field may be general or special methods.

SUGGESTED FIELD COMBINATIONS FOR HIGH SCHOOL TEACHERS

Most high school teachers, with the possible exception of those who teach in the larger high schools, are required to teach in two or more subject matter fields. While the student in training can not be

told precisely what combinations would be most desirable in every case, certain logical relationships between subjects matter fields do exist and the student is advised to give these combinations very careful consideration. Both logic and current practice suggest the following combinations:

English with language, fine arts, or social studies.

Foreign language with English, social studies, or fine arts.

Mathematics with science, social studies, commerce, physical education, or industrial arts.

Science with mathematics, industrial arts, or physical education.

Home economics with English, social studies; or science.

Industrial arts with physical education, mathematics, science, or social studies.

Commerce with social studies, English, mathematics, or physical education.

Music with English, or social studies.

Art with English, music, or home economics.

Physical education with social studies, science, or industrial arts.

CERTIFICATION IN STATES OTHER THAN KANSAS

Requirements for certification to teach in the public schools, either elementary or secondary, may vary widely from state to state. In view of this fact, any student who plans to qualify to teach in another state than Kansas should, when he first enrolls, consult the Head of the Department in order to make sure that he is engaged in a program that meets the particular requirements of the state involved.

English

REQUIREMENTS FOR A MAJOR: Exclusive of Freshman English, a minimum of twenty-four hours in composition and literature, including courses 21-22; 104, 106, or 146; 108 or 107; 128 or 125; 142.

RELATED COURSES REQUIRED TO SUPPORT A MAJOR: A minimum of fifteen semester hours consisting of from two to six hours in at least three of the following departments: Speech, History (Courses 3, 4, 111, 112), Music Education (Courses 34, 125, 126), Art (Courses 8, 112) Journalism, Philosophy and Religion (Courses 107, 131), Sociology (Courses 106, 107, 115), Ancient Languages, Modern Languages: French German, Spanish.

NOTE: All juniors and seniors are required to pass a proficiency examination in the writing of English prose.

COMPOSITION

1-2. ENGLISH—A study of the fundamentals of composition through

their practical application in oral and written themes and in classroom discussion. Required of all freshmen except those who can qualify for English 3-4. *Three hours.* 7:45, T., W., F.; 8:40, M., W., F.; 9:35, M., W., Th.; 11:25, M., T., Th.

3-4. ENGLISH—Open to those freshmen whose ranks in preliminary English tests indicate that they can carry work in advance English 1-2. *Three hours.* 7:45, M., and 8:40., T., Th.

7, 8. ENGLISH FOR FOREIGN STUDENTS—A course designed to acquaint the foreign student with the use of the English language. *One or two hours.* By appointment.

102. CREATIVE WRITING.—An advanced course in composition, giving opportunity for the study and writing of principal literary forms with stress on forms in which the student has a particular interest. Prerequisite: English 1 and 2, or 3 and 4. Alternate years; offered 1958-1959. *Three hours.* 10:30, T., Th., F.

104. ENGLISH GRAMMAR—A systematic study of grammar, including an explanation of current usages and idioms. Alternate years; offered 1957-1958. *Two hours.* 10:30, M., W.

LITERATURE

16. CHILDREN'S LITERATURE—A study of traditional and modern literature for children from kindergarten to high school. *Three hours.* 7:45, T., W., F.

21-23. INTRODUCTION TO LITERATURE—An introductory course designed to develop a sense of values and appreciation for the best in literature through the study of representative writers. Not open to freshmen. *Three hours.* 8:40, M., W., F.; 9:35, M., W., Th.; 1:15, M., W., F.

104. THE ROMANTIC MOVEMENT—A study of the prose and poetry of the English romanticists of the late eighteenth and early nineteenth centuries. Alternate years offered 1958-1959. *Three hours.* 11:25, M., T., Th.

105. AMERICAN POETRY AND ESSAY—A study of the chief American writers in these forms. Alternate years offered 1958-1959. *Three hours.* 7:45, T., W., F.

106. THE VICTORIAN ERA—A study of the major developments of English literature from 1835 to the close of the century. Alternate years; offered 1957-1958. *Three hours.* 11:25, M., T., Th.

107. AMERICAN FICTION AND DRAMA—A study of the most significant American writers in these literary forms. Alternate years; offered 1957-1958. *Three hours.* 7:45, T., W., F.

122. THE SHORT STORY—A study of the technique of the short story from representative types. Alternate years; offered 1958-1959. *Two or three hours.* 1:15, T., Th.

123. THE DEVELOPMENT OF THE DRAMA—A study of the development

of the drama from its origin in Greece to the twentieth century. Alternate years; offered 1957-1958. *Three hours.* 2:10, M., W., F.

125. THE DEVELOPMENT OF THE ENGLISH NOVEL—A study of the development of the novel, with a detailed study of the characteristic types of the nineteenth century. Alternate years; offered 1958-1959. *Three hours.* 11:25, M., T., Th.

133. THE TEACHING OF LANGUAGES AND LITERATURE—(see Education and Psychology.)

142. SHAKESPEARE—A study of Shakespeare's plays and of his place in the development of the drama. *Three hours.* 7:45, T., W., F.

146. CONTEMPORARY LITERATURE—A survey of recent literature in England and America. Alternate years; offered 1957-1958. *Three hours.* 2:10, M., W., F.

175. READING WORKSHOP—In this Workshop we will present practices and skills which will aid teachers in their teaching of reading skills. Emphasis will be given to methods of increasing reading rates and comprehension. Summer, 1957. *One hour.*

199, 200. INDEPENDENT STUDY IN ENGLISH—See regulations governing independent study. *One to three hours.*

SPEECH

11. ARGUMENTATION AND DEBATE—A study of the principles of argumentation with practice in application by written briefs and oral argumentation. Important public questions are studied and debated as class projects. Alternate years; offered 1958-1959. *Two hours.* 1:15, T., Th.

20. PRACTICAL DEBATE—This class is intended for freshmen and sophomores who have qualified in the annual tryouts. Teams from this class represent the college in junior college debate tournaments. *Two hours.* By appointment.

31, 32. PRINCIPLES OF SPEECH—General speech education with opportunity to gain confidence through guided practice. *Two hours.* First semester: 7:45, T., F.; 8:40, T., Th.; 9:35, M., Th.; 10:30, M., W. Second semester: 7:45, T., F.; 9:35, M., Th.; 1:15, T., Th.

33, 34. ADVANCED SPEECH—A continuation of Principles of Speech with more emphasis on personal improvement and effective preparation for a variety of speaking situations. *Two hours.* First semester: 11:25, W., F. Second semester: 8:40, T., Th.; 10:30, M., W.

41. SPEECH DEFECTS—A study of speech defects and the ways in which teachers or parents may help speech handicapped children, both directly and by assisting the work of a speech correctionist. Alternate years; offered 1957-1958. *Two hours.* 1:15, T., Th.

51. PLAY PRODUCTION FOR TEACHERS—The study and application of principles and standards of acting, character interpretation, and stage crafts. Prerequisite: Speech 21 or 32. Alternate years; offered 1958-1959. *Two hours.* 2:10, T., Th.

109. LITERARY INTERPRETATION—A course designed primarily for students who have completed Speech 31 or 32 and who desire experience in the application of the principles of speech to the interpretation of drama and poetry. Alternate years; offered 1958-1959. *Two hours.* 2:10, M., W., F.

120. ADVANCED DEBATE—Open only to juniors and seniors who are members of the men's or women's varsity debate teams. Practical experience in coaching and judging of teams. *Two hours.* By appointment.

151. ADVANCED PLAY PRODUCTION—Each student has the experience of directing and producing a one act play under supervision. Pre-requisite: play production 51 and active participation in Players Club. *Two hours.* By appointment.

JOURNALISM

1-2. REPORTING PRACTICE—Practical experience in gathering and writing campus news by reporting for the Spectator each week. *One hour.* By appointment.

4. REPORTING—Fundamental principles of gathering and writing news, practice in reporting on the campus. Alternate years; offered 1957-1958. *Three hours.* 9:35, M., W., Th.

6. EDITING—Copyreading, headline writing, proofreading, and make-up. Alternate years; offered 1958-1959. *Two hours.* 10:30, M., W.

7-8. EDITORIAL PRACTICE—For the managing editor and the editor in chief of the Spectator only. Practical experience in news editing, editorial writing, and staff management. *One hour.* By appointment.

Foreign Languages

FRENCH

1-2. ELEMENTARY FRENCH—Phonetics, grammar, and practice in hearing, writing, and speaking French, together with sufficient reading to provide a basic vocabulary and working knowledge of the language. *Three hours.* 10:30, T., Th., F.

3-4. SECOND YEAR FRENCH—Review of grammar and composition. Conversation and reading of easy French fiction and drama. *Three hours.* 1:15, M., W., F.

121-122. READING COURSE—Reading of selected works in special fields under guidance of instructor, intended to give student facility in rapid reading. Prerequisite: French 3-4. *Two or three hours.* By appointment.

GERMAN

1-2. ELEMENTARY GERMAN—Grammar, conversation, and drill, together with coordinated readings sufficient to give a basic vocabulary

and working knowledge of the language. *Three hours.* 11:25, M., T., Th.

3-4. SECOND YEAR GERMAN—Grammar review, composition, conversation and reading of masterpieces in German prose. Prerequisite: German 1-2, or equivalent. *Three hours.* 8:40, M., W., F.

121-122. READING COURSE—Reading of selected works in special fields under guidance of instructor; intended to give student facility in rapid reading. Prerequisite: German 3-4. *Two or three hours.* By appointment.

SPANISH

1-2. ELEMENTARY SPANISH—Phonetics and grammatical drill; reading of easy idiomatic texts to provide a basic vocabulary and working knowledge of the language. *Three hours.* 10:30, T., Th., F.

3-4. SECOND YEAR SPANISH—Simple conversation and easy translations into Spanish, and reading of Spanish prose. Prerequisite: Spanish 1-2. *Three hours.* 2:10, M., W., F.

121-122. READING COURSE—Reading of selected works in a field of special interest to the student, under guidance of instructor. Prerequisite: Spanish 1-4. *Two or three hours.* By appointment.

LATIN

NOTE: On sufficient demand, courses may be offered as outlined in catalog of 1938.

General Science

7. ELEMENTARY SCHOOL SCIENCE—A study of the relation of astronomy, chemistry, geology, physics, and biological sciences to everyday living, stressing the instruction of this subject matter to elementary school students. Laboratory and demonstrations once a week. *Three hours.* 7:45, T., W., F.

Health, Physical Education, and Recreation

Four semester hours of work in this department are required of every student for graduation, two of which must be in activity. Courses 1-2-3-4-5-6 are recommended by the department. The department also urges those who do not know how to swim to enroll in at least one semester of swimming. The college requires a thorough health examination of each student by the time of matriculation. It is strongly recommended that persons giving emphasis to the area of Health, Physical Education, and Recreation include Nature Study and Arts and Crafts in their curriculum.

7-8. BEGINNING SWIMMING—This course is in compliance with the Red Cross Beginner's Swimming Course. *One hour.* By appointment.

9-10. INTERMEDIATE SWIMMING—This course is in compliance with

the Red Cross Intermediate Swimming Course. *One hour.* By appointment.

31. **PLAYGROUND ACTIVITIES**—A study of adaptable activities for schoolroom, playground, and gymnasium. *Three hours.* 1:15, M., W., F.

32. **SCHOOL HEALTH EDUCATION**—A course for elementary teachers which deals with the more important problems of the individual school child and his environment. *Three hours.* 1:15, M., W., F.

52. **PHYSIOLOGY AND ANATOMY**— (See Biology).

62. **FIRST AID**—A study of diagnosis and treatment of all emergency physical needs of the human body, as represented by the American Red Cross. Certification by the American Red Cross for both Standard and Advanced First Aid is given. Prerequisite to Course 162. *Two hours.* 8:40, T., Th.

63-64. **SENIOR LIFE SAVING**—Students enrolling in this course must be strong swimmers, capable of swimming one-quarter mile. The Red Cross course outline will be followed. There must be five or more enrolled. *One hour.* By appointment.

109. **FOLK GAMES**—The study and practice of European and American folk games. Alternate years; offered 1957-1958. *Two hours.* 9:35, M., W., Th.

110. **RHYTHMIC INTERPRETATIONS**—Study of dramatic interpretations through rhythmic movements. Alternate years; offered 1957-1958. *Two hours.* 9:35, M., W., Th.

162. **FIRST AID INSTRUCTOR'S TRAINING**—A prescribed course under the direction of the American Red Cross to permit students to give instruction in the Standard and Advanced Courses in First Aid. Prerequisite: Course 62. *One hour.* By appointment.

173. **RECREATIONAL LEADERSHIP**—A course offered for students contemplating work with church camps, boy and girl scout camps, private camps, community recreation, and outing clubs during all seasons of the year. *Three hours.* 11:25, M., T., Th.

174. **CAMP LEADERSHIP**. A course designed primarily for leaders in church camping, through most areas and skills studied and experienced may be directly applied to various types of camping. *Three hours.* 11:25, M., T., Th.

181. **ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION PROGRAM**—The complete study of organization and administration of a public school physical education program. Alternate years; offered 1958-1959. *Three hours.* 7:45, T., W., F.

182. **TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION**—A study of the methods used in finding the abilities and ratings of students in health and physical education. Tests and measurements of physical fitness, social efficiency, and motor and physical skills. Alternate years; offered 1958-1959. *Three hours.* 8:40, M., W., F.

COURSES FOR MEN

NOTE: Four hours only of the courses 1 through 6 will be counted towards the total of 124 for graduation. No retroactive credit granted.

1-2. GENERAL PHYSICAL EDUCATION—A study and practice of skills in varied sports. Activity in exercises, calisthenics, and conditioning are incorporated. *One hour.* 8:40, T., Th.

3. FIELD FOOTBALL—One season of continuous participation in varsity football. Prerequisite: One season participation in football prior to enrollment. *One hour.* 8:00-6:30, M.-F., September-November.

4, 5. COURT BASKETBALL—One season of continuous participation in varsity basketball. Prerequisite: One season participation in basketball prior to enrollment. *One hour.* 3:00-6:00, M.-F., December-February.

6. PRACTICAL TRACK AND FIELD—One season of continuous participation in varsity track and field. Prerequisite: One season participation in track and field prior to enrollment. *One hour.* 3:00-6:00, M.-F., March-May.

11. BASEBALL—The fundamentals of playing and the methods of coaching baseball. Alternate years; offered 1957-1958. *Two hours.* 10:30, M., W.

12. TRACK AND FIELD EVENTS—The fundamentals and skills of track and field events and the methods of coaching them. Alternate years; offered 1957-1958. *Two hours.* 11:25, W., F.

42. PERSONAL AND COMMUNITY HYGIENE—A foundation course in personal care of the body and the laws of healthful living. Alternate years, offered 1958-1959. *Two hours.* 8:40, T., Th.

73. METHODS IN TEACHING RECREATIONAL SPORTS—This course includes practice for development of skills, a study of rules, teaching methods, and the officiating in recreational sports. *Three hours.* 10:30, T., Th., F.

111. FOOTBALL—The fundamentals of playing and the methods of coaching football. Alternate years; offered 1958-1959. *Two hours.* 11:25, W., F.

112. BASKETBALL—The fundamentals of playing and the methods of coaching basketball. Alternate years; offered 1958-1959. *Two hours.* 11:25, W., F.

113. MECHANICS AND TECHNIQUES OF OFFICIATING—An advanced course in which actual officiating of regular games in football and basketball will be required. *Two hours.* 11:25, W., F.

160. CARE AND TREATMENT OF ATHLETIC INJURIES—Emphasis on prevention, care, and cure of injuries incurred in the major athletic sports. Alternate years; offered 1957-1958. *Two hours.* 8:40, T., Th.

COURSES FOR WOMEN

3. FIELD SPORTS AND TUNELING—Soccer, hockey, or speedball will

be studied and practiced, depending upon the interest of those enrolled. The fundamentals of tumbling stunts, both on the mats and on the trampoline, will be practiced for the development of coordination. Alternate years; offered 1957-1958. *One hour, 10:30, M., W.*

4. BASKETBALL AND SOFTBALL—The study and practice of the rules and fundamentals of basketball and softball. Alternate years; offered 1957-1958. *One hour, 10:30, M., W.*

5. ARCHERY AND BADMINTON—The study and the practice of the rules and fundamentals of archery and badminton. Alternate years; offered 1958-1959. *One hour, 10:30, M., W.*

6. VOLLEYBALL AND TENNIS—The study and the practice of the rules and fundamentals of volleyball and tennis. Alternate years; offered 1958-1959. *One hour, 10:30, M., W.*

41. PERSONAL AND COMMUNITY HYGIENE—A foundation course in personal care of the body and the laws of healthful living. Not open to those having had Family Health or to prospective Home Economic majors. Alternate years; offered 1957-1958. *Two hours, 11:25, M., T., Th., first twelve weeks.*

157. METHODS OF TEACHING INDIVIDUAL SPORTS—
(see Education and Psychology)

158. METHODS OF TEACHING TEAM SPORTS—
(see Education and Psychology)

189-190. PROBLEMS IN HEALTH, PHYSICAL EDUCATION, AND RECREATION—Study of special topics and problems in the department. Prerequisite: Consent of the instructor. *One to three hours. By appointment.*

History

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hours including courses 4, 7-8, and 122.

3. EUROPE, 1500-1870—A study of the renaissance, the Protestant revolt, the rise of modern nation states and the significant developments that followed, including the great revolutions of the 18th century. Alternate years; offered 1958-1959. *Three hours, 7:45, T., W., F.*

4. TWENTIETH CENTURY EUROPE—A study of the background of the World War (1914-1918), the peace settlement, the contravening factors during the next two decades, the Second World War, and the problems facing the United Nations. *Three hours, 1957-1958, 1:15, M., W., F. 1958-1959, 7:45, T., W., F.*

7-8. UNITED STATES HISTORY—First semester: 1492-1865; second semester: since 1865. A survey of the political and social growth of the American people from colonial times to the present. *Three hours, 9:35, M., W., Th.; and 10:30, T., Th., F.*

91. FIELD SESSION IN MEXICAN HISTORY—A reading and laboratory

course in Mexican history in which the major part is spent in travel and residence in Mexico. Prerequisite: Instructor's permission. Alternate odd numbered years with course 93; offered 1959. *Three hours.* Limited enrollment.

93. FIELD SESSION IN CANADIAN HISTORY—A reading and laboratory course in Canadian history in which the major emphasis is in travel and residence in Eastern United States and Canada. Prerequisite: Instructor's permission. Alternates odd numbered years with course 91, offered 1957. Limited enrollment.

111. THE ANCIENT MEDITERRANEAN WORLD—A study of the political, social, and cultural development of the ancient Greeks and Romans and their contributions to western civilization. Alternate years; offered 1957-1958. *Three hours.* 7:45, T., W., F.

112. MEDIEVAL HISTORY—A survey of medieval life and thought with some emphasis on the Christian Church as an institution and on feudalism as an economic and social system. Alternate years; offered 1957-1958. *Three hours.* 7:45, T., W., F.

117. LATIN AMERICAN HISTORY—From the colonization by the Spanish and the Portuguese to the present. The institutions of the old regime, the wars of independence, developments and problems of the new nations, and their relations with the United States are emphasized. Alternate years; offered 1958-1959. *Three hours.* 8:40, M., W., F.

119. THE FAR EAST—A survey of the emergence of modern Japan, the Chinese struggle for national sovereignty, and contemporary political conflicts, with emphasis on the cultural contrasts between the Occident and the Orient. Alternate years; offered 1957-1958. *Three hours.* 8:40, M., W., F.

122. TRANS-MISSISSIPPI WEST—A regional study with emphasis on climatic and geologic backgrounds, exploration, settlement, and present day economic and political significance. Alternate years; offered 1958-1959. *Three hours.* 8:40, M., W., F.

155. AMERICAN DIPLOMATIC HISTORY—A study of the diplomatic relations of the United States from the Revolutionary period to the present. Alternate years; offered 1958-1959. *Three hours.* 11:25, M., T., Th.

189-190. PROBLEMS IN HISTORY—Advanced study of special topics in history. Prerequisite: Consent of the instructor. *One to three hours.* By appointment.

191. FIELD SESSION IN MEXICAN HISTORY—A reading and laboratory course in Mexican history which is largely constituted of travel and residence in Mexico. The reading and study requirement in this course is more extensive than that in course 91. Prerequisite: Instructor's permission. Alternates odd numbered years with course 193; offered 1959. *Three hours.* Limited enrollment.

193. FIELD SESSION IN CANADA HISTORY—A reading and laboratory course in Canadian history which is largely constituted of travel and residence in Eastern United States and Canada. The reading and study requirement in this course is more extensive than that in course 93. Prerequisite: Instructor's permission. Alternates odd numbered years with course 191; offered 1957. *Three hours.* Limited enrollment.

POLITICAL SCIENCE

1, 2. UNITED STATES GOVERNMENT—A critical study of the organization and operation of the federal, state, and local governments. *Three hours.* First Semester, 1957-1958, 11:25, M., T., Th. Second Semester, 1958-1959, 1:15, M., W., F.

101-102. STUDIES IN AMERICAN GOVERNMENT—This course is designed for those who desire advanced work in special areas of American Government. It is largely of a research nature, and results of the research must be submitted in thesis form before credit will be granted in the course. Open only to students who have taken course No. 1, United States Government, or who have passed a comprehensive qualifying examination over the general field of United States Government. *One to three hours.* By appointment.

120. AMERICAN POLITICS—Students may enroll in two or three hours. Two hours will be spent in the normal classroom approach studying political parties, pressure groups, propaganda, and campaigns and elections. An additional hour will be offered in which the class will spend approximately one week in Washington, D. C., in observation and interviews dealing with governmental and political issues. Alternate years; offered 1957-1958. *Two or three hours.* 11:25, M., T., Th.

150. INTERNATIONAL RELATIONS—A study of the twentieth-century nationalisms, imperialism, militarism, international law, international organization and cooperation, and contemporary political problems. Prerequisite: six hours of college history. Alternate years; offered 1958-1959. *Three hours.* 11:25, M., T., Th.

152. COMPARATIVE GOVERNMENT—An analysis of the important European governments of the contemporary period. Alternate years; offered 1957-1958. *Three hours.* 8:40, M., W., F.

Home Economics

REQUIREMENTS FOR A PROFESSIONAL MAJOR: A minimum of 29 semester hours, including courses 3, 4, 15, 16, 31, 32, 113, 116, 125, 126, 142. *Supporting courses required:* Chemistry 1, 4; Sociology 75; Biology 2; Psychology 142.

REQUIREMENTS FOR A HOMEMAKING MAJOR: A minimum of 38 semester hours, including courses 3, 4, 15, 16, 23, 24 or 124, 31, 32, 113, 116, 117, 125, 126, 142. *Supporting courses required:* Chemistry 1; Biology 2; Sociology 75; Psychology 118, 142. *Suggested courses:* Physical Education 82; Industrial Arts 45 or 46, 53; Music 34; Art 7.

The Professional major is suggested for those who wish to qualify for graduate study. Either major may qualify a student for teaching home economics at the secondary level, for home demonstration work, or various phases in business home economics.

3. DESIGN—A basic course in which a study is made of the principles of design: harmony, emphasis, proportion, and others. Experiences are provided for the student to become familiar in the use of line, shape, size, texture, and color as applied in daily living. *Two hours. 10:30, M., W.*

4. COSTUME DESIGN—Line, color, form, and texture in costume design and selection, as related to the requirements of the individual. Prerequisite: Design or permission of instructor. *Two hours. 10:30, M., W.*

15-16. FOODS AND MEAL PLANNING—A study of the principles of food cookery, elementary nutrition and food economics using meal planning, preparation, and service as a basic method of presentation. One recitation and six hours laboratory a week. *Three hours. 8:40, T. Laboratory, 1:15-3:55, T. and Th.*

23. THE HOUSE—A study of the housing needs of the family; management of time and effort; important factors in providing and maintaining family life in the home; choice of equipment for the home. Alternate years; offered 1958-1959. *Three hours. 11:25, M., T., Th.*

24, 124. INTERIOR DESIGN—A study of the principles governing the selection of furniture, textiles, pictures, and other furnishings for the home, and their arrangement with appropriate backgrounds. Prerequisite: Design or permission of instructor. Alternate years; offered 1958-1959. *Three hours. 9:35, M., W., Th.; 10:30, Th.*

31. TEXTILES—A study of the structure and finishes of fibers and yarns; and the construction, design, selection, and care of fabrics as they relate to the consumer. *Three hours. 7:45, T., W., F.*

32. FUNDAMENTALS OF CLOTHING—A study of the selection of clothing with relation to the individual; wardrobe planning and budgeting. A study of commercial patterns and principles of garment construction. One recitation and five hours laboratory a week. Prerequisite: Textiles or permission of instructor. *Three hours. 7:45, T., W., F. Laboratory 1:15-3:55, W.*

114. QUANTITY COOKERY—Food problems of institutions, including the preparation and serving of food in large quantity, menu planning, and food costs. One recitation and six hours laboratory a week. Prerequisite: Foods 15 and 16. Alternate years; offered 1957-1958. *Three hours. 8:40, Th. Laboratory, by appointment.*

116. FAMILY FINANCE—A study of some of the economic problems involved in the efficient management of the family's financial resources, and a consideration of the problems a consumer must face in pur-

chasing present day commodities. Alternate years; offered 1958-1959. *Three hours.* 10:30, T., Th., F.

117. **FAMILY HEALTH**—Factors conducive to family and community health; home-nursing procedures; and how family members may work together toward healthy personalities. Not open to those having had *Personal and Community Hygiene*. Alternate years; offered 1957-1958. *Three hours.* 11:25, M., T., Th.

125. **APPLIED DRESS DESIGN**—The application of design principles to dress. The development of the foundation pattern from which a suitable flat pattern design is constructed for the individual, and the construction of the garment. Six hours of recitation and laboratory a week. Prerequisite: *Clothing 32* or consent of instructor. *Two hours.* By appointment.

126. **TAILORING**—The techniques of tailoring are taught in the construction of either a suit or coat. Six hours of recitation and laboratory a week. Prerequisite: *Clothing 32* or consent of instructor. *Two hours.* By appointment.

142. **NUTRITION**—A study of the digestion, metabolism and nutritive value of foods; the protein, mineral, vitamin, and energy needs of the body. Prerequisite: *Foods, Biology 4, Chemistry 1,* or permission of the instructor. Alternate years; offered 1958-1959. *Three hours.* 8:40, M., W., F.

189-190. **PROBLEMS IN HOME ECONOMICS**—Advanced study of special topics in home economics. Prerequisite: Consent of the instructor. *One to three hours.* By appointment.

Industrial Arts Education

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hour, including courses 3, 51, 53-54, 106, 130, 141, and 122, 161.

RELATED SUPPORTING COURSES REQUIRED: A minimum of fifteen semester hours selected from *Physica and Mathematics, Economics, and Sociology,* and approved by the head of the department.

3. **ENGINEERING DRAWING**—A survey course which emphasizes correct drawing practices and principles. Required in engineering courses, and should be taken before any of the other courses in *Industrial Arts*. One recitation and four hours laboratory a week. *Three hours.* 1:15, T.

12. **MACHINE DRAWING**—Requirement for engineering course. Prerequisite: *Industrial Arts 3* or its equivalent. One recitation and two hours laboratory a week. *Two hours.* 1:15, T.

40. **METHODS IN INDUSTRIAL ARTS**—A workshop in arts and crafts designed for persons interested in teaching, summer camping, church recreation, and general hobby training. Six to eight hours each day, six days a week. Offered only during the summer session. *One to three hours.*

45-46. ARTS AND CRAFTS—This course is designed to give a basic understanding of the philosophy involved in leisure time activities and general hobbies, and for those interested in teaching, summer camp work, and church recreation. Experiences are provided in light metal, wood and wood carving, plastics, weaving, leather, braiding, basketry, and other general crafts. One hour recitation and four hours of laboratory a week. *Three hours. 8:40, Th.*

51-52. BENCH METAL—A study in working with metal including such operations as drilling, filing, cutting, bending, threading holes, and polishings. Sheet metal practice is also a part of this study as is tool maintenance and safety in the use of tools and equipment. Prerequisite: Welding 57 and 59 for second semester. *Three hours. 10:30, Wednesday, 4 hours laboratory per week.*

53-54. WOODWORKING PROBLEMS—Emphasis is placed on the tool process and learning units involved, as well as design, construction, and finishing wood; also, the use, care, and operation of the woodworking machines. One recitation and four hours laboratory a week. *Three hours. 8:40, T.*

56. FARM SHOP—(See Rural Life).

57. ARC WELDING—A course consisting of theory and use of electric welder and practice in making typical welds. Prerequisite to the use of shop welding equipment. Two hours laboratory a week required. *One hour. 7:45, M. By appointment.*

59. ACETYLENE WELDING—A course consisting of the theory and use of the welding torch, and practice in making the typical welds. Prerequisite to the use of shop welding equipment. Two hours laboratory a week required. *One hour. 8:10, M. By appointment.*

65. FARM MECHANICS—(See Rural Life).

66. FARM POWER—(See Rural Life).

106. ADVANCED WOODWORK AND DESIGN—A special course in advanced woodwork for major students. Advanced woodwork and woodturning are combined with lectures on theory of design, construction and finishing. One recitation and four hours laboratory a week. *Three hours. 11:25, W.*

122. ARCHITECTURAL DRAWING—Course includes standard conventional plans and specifications for a modern home. Also brief study of trends in modern architecture. Two recitations and two hours laboratory a week. Alternate years; offered 1957-1958. Prerequisite: Building Construction. *Three hours. 8:40, M., W., F.*

130. HISTORY OF INDUSTRIAL ARTS—A course dealing with the history, philosophy, teaching methods, and trends in industrial arts education. Alternate years; offered 1958-1959. *Three hours. 8:40, M., W., F.*

140. METHODS IN INDUSTRIAL ARTS—An intensive workshop in arts

and crafts designed for persons interested in teaching, summer camping, church recreation, and general hobby training. Six to eight hours each day, six days a week. Offered only during the summer session. *One to three hours.*

141. **WOOD AND METAL FINISHING**—A course designed to give training, experience, and understanding of finishing. Two recitations and two hours laboratory a week. Prerequisite: Industrial Arts 53, 54. Alternate years; offered 1957-1958. *Three hours. 10:30, T., Th., F.*

145-146. **ARTS AND CRAFTS**—This course is designed to give a basic understanding of the philosophy involved in leisure time activities and general hobbies, and for those interested in teaching, summer camp work, and church recreation. Experiences are provided in light metal, wood and wood carving, plastics, weaving, leather, and other general crafts. One hour recitation and four hours of laboratory a week. *Three hours. 8:40, Th.*

158. **ADVANCED WELDING**—Laboratory work in acetylene and arc welding plus study of teaching methods, projects, and equipment. Prerequisite: Acetylene Welding and Arc Welding. Two hours laboratory a week required. *One hour. By appointment.*

161-162. **METAL LATHE**—A course designed to give practice in the operation of the metal lathe. Two hours laboratory a week required. *One hour. By appointment.*

168. **AUTO MECHANICS**—(See Rural Life).

173. **BUILDING CONSTRUCTION**—A general course in planning and constructing buildings. Emphasis is placed on drafting techniques, planning, materials, building processes, and designing various types of buildings. Two recitations and two hours laboratory per week. Prerequisite: Engineering Drawing. *Three hours. 11:25, W., F. Two hours laboratory per week.*

179. **PROBLEMS IN ARTS AND CRAFTS**—This short summer course will deal primarily with work in basketry, wood and metal crafts, textile painting, leather work, and other crafts. It will be directed toward those skills which will be of wide use in the home, the school, and the church. *One hour. Summer, 1956.*

181. **INDUSTRIAL OCCUPATIONS**—A course dealing with man's work. Origin, types, and developments of industrial occupations, occupational trends, and occupational possibilities. Alternate years, offered 1958-1959. *Three hours. 8:40, M., W., F.*

189-190. **PROBLEMS IN INDUSTRIAL ARTS**—Advanced study of special topics in industrial arts. Prerequisite: Consent of the instructor. *One to three hours. By appointment.*

Mathematics

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hours in mathematics.

1. PRINCIPLES OF ARITHMETIC—Principles of arithmetical calculation. Common and decimal fractions, ratio and proportion, percentage, elements of finance. *Three hours. 10:30, T., Th., F.*

5. ALGEBRA—Fundamental operations, constants and variables, linear equations, exponents and radicals, quadratic functions. *Three hours. 9:35, M., W., Th.*

6. TRIGONOMETRY—Trigonometric functions and equations. Solution of triangles. Logarithms. *Three hours. 9:35, M., W., Th.*

51-52. ANALYTICAL GEOMETRY AND CALCULUS—Functions, equations and graphs. Differentiation and integration of algebraic equations. Maximum and minimum values, time rates, areas and volumes. Equations of conic sections. Differentiation of trigonometric, exponential and logarithmic functions. *Three hours. 7:45, M., 8:40, T., Th.*

101-102. CALCULUS—Standard forms of integration, polar coordinates, surfaces and curves in space, partial differentiation, multiple integrals, infinite series. *Three hours. 7:45, T., W., F.*

116. MECHANICS—A study of applications of the principles of mechanics to problems involving force, friction, velocity, acceleration, momentum, work and energy. *Three hours. 11:25, M., T., Th.*

121. MATHEMATICAL THEORY OF ELECTRICITY—Applications of Calculus to problems in electricity. *Three hours. 11:25, M., T., Th.*

189-190. PROBLEMS IN MATHEMATICS—Prerequisite, 12 hours of mathematics. *Two or Three hours. By appointment.*

Music

REQUIREMENTS FOR A MAJOR IN APPLIED MUSIC FOR THE A. B. DEGREE: Sixteen hours in the major applied area, six hours Basic Theory, eight hours Harmony, three hours Music Appreciation, four hours Music History, three hours Conducting, and one hour Ensemble.

Students majoring in APPLIED MUSIC will be required to give a public recital before graduation.

REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION FOR THE B. S. DEGREE: Six hours Basic Theory, eight hours Harmony, three hours Music Appreciation, four hours Voice, eight hours Piano or the passing of a prescribed piano examination before the Music Faculty, four hours Music History, three hours Conducting, three hours Elementary Music Methods, three hours High School Music Methods, six hours Instrumental Methods, and at least a year each of Instrumental Ensemble and Vocal Ensemble.

Students majoring in Music Education will be required to participate in a joint recital in a field of applied music before graduation.

GENERAL MUSIC REQUIREMENTS: All music majors will continue the

study of applied music throughout the four years of this college work. Whether or not piano is the major area of study, all music students should acquire a thorough practical knowledge of the piano.

A series of recitals is given during the year in which music students are required to participate, at the discretion of the teacher. All students in applied music will be expected to attend student and faculty recitals.

APPLIED MUSIC

NOTE: In all areas of applied study, courses I, II, III are to be regarded as lower level; courses IV through VIII are upper level.

Piano

PIANO I-II. Easier compositions of Bach and Handel; easy sonatas by Haydn and Mozart; selections from romantic and modern composers; technique, concerts, and recitals. One lesson weekly. *Two hours.* By appointment.

PIANO III-IV. Bach's two and three part inventions; sonatas by Haydn and Mozart; selections from romantic and modern composers; technique, concerts, and recitals. One lesson weekly. *Two hours.* By appointment.

PIANO V-VI. Bach's French and English suites, sonatas by Mozart and Beethoven; more difficult selections from romantic and modern composers; technique, concerts, and recitals. One lesson weekly. *Two hours.* By appointment.

PIANO VII-VIII. Bach's Well-Tempered Clavichord, sonatas by Beethoven and other master composers; more advanced work by romantic and modern composers; technique, concerts, and recitals. One lesson weekly. *Two hours.* By appointment.

VOICE

Voice students should have acquired, by the time of graduation, sufficient knowledge of the piano to enable them to play simple accompaniments.

CLASS LESSONS IN VOICE

25, 26. BEGINNING VOICE CLASS. A fundamental course in voice and sight singing. The study of proper voice production and the fundamentals of individual and ensemble singing presented through progressive vocalises and songs. Attention is given to the problems involved in sight-singing such as rhythm, pitch, intervals. The objectives of the course are: proper breathing habits, good tone production, correct rhythm, accurate pitch, good pronunciation and artistic expression. *Two hours.* 1:15, T., Th.

45, 46. INTERMEDIATE VOICE CLASS. A continuation of the study of the fundamentals of voice training and sight singing as presented

in Beginning Voice Class, attempting to develop for the subject a more musical and expressive voice for solo and ensemble performance. Prerequisite: Beginning Voice Class or one semester of private study in voice. *Two hours. 11:25, W., F.*

55, 66. **ADVANCED VOICE CLASS.** Advanced study and practice in the fundamentals of solo and ensemble singing in order to develop a more resonant and expressive voice, improve the ability to read music at sight, and stimulate the power of interpretation. Prerequisite: Intermediate Voice Class, or two semesters of private study in voice. *Two hours. 10:30, T., Th.*

165. **VOCAL ARTISTRY.** Further study and practice in the fundamentals of solo and ensemble singing with the purpose of developing fuller resonance and expression in the voice, greater facility in music reading, and an improved artistry in the interpretation of songs. Prerequisite: Intermediate Voice Class, or two semesters of private study in voice. *Two hours. 10:30, T., Th.*

166. **VOCAL REPERTOIRE.** The study and performance of various types of vocal solo and ensemble literature with the purpose of stimulating improved interpretation and creating more intelligent appreciation and enjoyment of vocal material. Prerequisite: Intermediate Voice Class, or two semesters of private study in voice. *Two hours. 10:30, T., Th.*

PRIVATE LESSONS IN VOICE

Since no two voice students have the same singing strengths or weaknesses, the instructor proceeds with each student according to his particular voice needs.

Private study in voice provides:

1. Training for more effective use of the singing voice.
2. Training in the appropriate and artistic interpretation of songs.
3. Training for, and experience in, public performance.
4. Opportunity for study of various types of songs and solo literature.
5. Guidance in the building of the student's repertoire of solo materials with particular reference to his present and future singing needs and interests.

Students should not enroll for private lessons in voice unless they have a practical knowledge of the piano keyboard and of the basic rudiments of music, such as key signatures, staff letter names, and note values.

Note: The Roman numerals indicate the degree of advancement in college voice study. That is, Voice I would indicate the first semester of study; Voice III would mean the third semester of voice study

—whether it be class work in voice or private study. Courses I, II, and III carry lower level credit.

PRIVATE VOICE I-II. One private lesson weekly. *Two hours.* By appointment.

PRIVATE VOICE III-IV. One private lesson weekly. *Two hours.* By appointment.

PRIVATE VOICE V-VI. One private lesson weekly. *Two hours.* By appointment.

PRIVATE VOICE VII-VIII. One private lesson weekly. *Two hours.* By appointment.

STRING INSTRUMENTS

VIOLIN I-II. Introduction to advanced studies of Fischel; continued scale study with introduction of thirds and sixths; pieces by Dancla; concertos by Aeolay, Delferiot; continued work in Sevcik. One lesson weekly. *Two hours.* By appointment.

VIOLIN III-IV. Studies by Mazas and Dont; scales in three octaves, major and minor, bowed and slurred in all variations; introduction of arpeggios in all positions; concertos by DeBériot and Viotti; pieces by Borowski, Raffeld, and others; continued work in Sevcik. One lesson weekly. *Two hours.* By appointment.

VIOLIN V-VI. Studies by Kreutzer; continued study of three octave scales in all forms including thirds, sixths, octaves, fingered octaves, and tenths; arpeggios in all forms; continued work in Sevcik; concertos by Viotto, Spohr, Bach; sonatas by Handel, Veracini, Correlli, and others. One lesson weekly. *Two hours.* By appointment.

VIOLIN VII-VIII. Continuation of Kreutzer, advancing to Fiorillo and Rode; continued scale study in all forms; advanced Sevcik study with emphasis on the development of a beautiful trill; sonatas by Beethoven, Mozart, Brahms, and Grieg; concertos by Bach and Bruch; pieces by Vieuxtemps, Schubert, and Sarasate. One lesson weekly. *Two hours.* By appointment.

VIIA I-II-III-IV. Studies selected from Campagnoli, Dont, Lisachey, Svecinski, Lesinsky, Sitt, Schradieck, and Sevcik; scales, arpeggios, double-stops and selected solo literature. *Two hours.* By appointment.

CELLO I-II-III-IV. Studies selected from Dotzaur, Dupont, Grutzmacher, Kummer, Lec. Maas, Merk, Schulz, Kreutzer, Klengel, Guerini, Deak, Marcelli, Ward, Werner and Schroeder; scales, arpeggios, and selected solo literature. *Two hours.* By appointment.

STRING BASS I-II-III-IV. Studies selected from Zimmerman, Goetz, Langey, Marcelli, Rader, Simandi, Hrabe and Butler; scales, arpeggios and selected solo literature. *Two hours.* By appointment.

WIND INSTRUMENTS

Private study in Wind Instruments is divided into two sections, namely, Brass and Woodwind. When enrolling, indicate specific instrument.

BRASS I-II. (First Year) Beginning studies of Arban, Gatti, and Clark. A study of the fundamentals of tone production, breathing, and rapid single tonguing technique. Solos from standard brass repertoire. One lesson weekly. *Two hours.* By appointment.

BRASS III-IV. (Second Year) Continued studies of Arban, Gatti, Goldman, Pryor, and Clark. Flexibility exercises by Clark and Smith. Advanced solos from standard brass repertoire. Perfection of double and triple tonguing technique. One lesson weekly. *Two hours.* By appointment.

WOODWIND I-II. (First Year) Beginning studies of Klose, Langerous. Solos from standard woodwind repertoire. One lesson weekly. *Two hours.* By appointment.

WOODWIND III-IV. (Second Year) Continued study of Klose and Langerous. Advanced solos from standard woodwind repertoire, e. g. concertos by Weber, Mozart. One lesson weekly. *Two hours.* By appointment.

PIPE ORGAN

EACH STUDENT who wishes to study organ is asked to (1) file a written request with Mrs. San Romani, and (2) appear before the music faculty for a piano examination. This examination will consist of three parts:

- a. The performance of a prepared piano number of the applicant's own choosing.
- b. The playing of selected scales.
- c. The sight reading of a hymn, to be selected.

NO STUDENT SHOULD ENROLL FOR ORGAN UNTIL HE HAS SECURED WRITTEN ACCEPTANCE FROM THE MUSIC FACULTY.

NOTE: Students who are selected for organ study will be permitted to re-enroll for additional work in organ if they have shown regularity in their practice, and if they have demonstrated satisfactory progress and improvement.

ORGAN I-II. Preparatory courses. A study of the fundamentals of pedal technique, manual touch, independence of hands and feet, and registration. Special attention to hymn playing. Easier Bach preludes and fugues. One lesson weekly. *Two hours.* By appointment.

ORGAN III-IV. Intermediate courses. Continuation of manual and pedal technique. Special attention to service playing. Easier sonatas of German, English, Italian, and American schools. Important works of the modern school. Bach preludes and fugues. One lesson weekly. *Two hours.* By appointment.

ORGAN V-VI. (Third Year) Continuation of the technical pedal studies; the larger works of Bach; the chorals of Cesar Franck; the sonatas of Gullmant; representative works from the modern American school. One lesson weekly. *Two hours.* By appointment.

ORGAN VII-VIII. (Fourth Year) Continuation of pedal studies. Works of Bach and general organ literature for church work. One lesson weekly. *Two hours.* By appointment.

MUSIC EDUCATION

Ensemble credit may be secured in the following organizations: A Cappella Choir, Chapel Choir, Band, Orchestra, College Church Choir, Quartette, Trio, Piano Ensemble, and Small Instrumental Ensembles. A student may participate in several of these organizations as long as practicable; however, he should not engage in more than four at a time. While credit will be given for each semester of ensemble activity, not more than four hours credit may be applied toward a degree.

All students who wish to participate in any of the above ensemble activities are requested to make formal application in the proper questionnaire during enrollment time in September. All NEW applicants should arrange to appear before the ensemble director for a Placement Test. FORMER members should verify in writing their desire to be re-considered for membership in the new organization(s). The questionnaires may be secured from the Central Office or from the Music Department during enrollment week of the fall semester. They should be filled out carefully and turned in to the respective ensemble directors by the end of the first week of school.

Official enrollment in the various musical groups will NOT be entered on the records in September. Rather, at the beginning of the second semester the students will enroll for the *specific* organization(s) of which they have been, or will be, regular members. At that time, enrollment will be recorded for both, or either, of the two semesters' activities, according to the amount of credit earned and/or to be earned during the two semesters of the school year.

INSTRUMENTAL ENSEMBLE

22 B. BAND. The College Band is open to all qualified instrumentalists upon application to the band director. All applicants are requested to fill out a questionnaire; new applicants should arrange with the director for a tryout during enrollment days.

During the athletic season an important part of the activities of the band will be the working out of marching routines, special half-time shows, and the preparation of lighter pep music for athletic events. The band will make occasional appearances at the college assembly, both for concerts and for pep rallies.

The main concerns of the Band during the second semester will be the reading of varied types of band literature and the preparation of materials for performance on the annual spring concert. *One hour credit per year.* 3:00, T., W., F.

22 O. ORCHESTRA. The College-Civic Orchestra is open to all qualified instrumentalists upon application to the director. All applicants should fill out a questionnaire available during enrollment days; NEW applicants should arrange with the director for a tryout at the time of enrollment. Orchestra concerts are presented several times each school year. Those who enroll for credit receive *one hour* for each year's participation. Rehearsals are scheduled each Tuesday evening 6:30 to 8:00 p. m. with sectionals Monday at 4:00 p. m. and Thursday at 3:00 p. m.

22 P. PIANO ENSEMBLE. One lesson weekly. By appointment. Students may also participate in piano ensemble as an extra-curricular activity without credit. Piano Ensemble is a valuable course for piano students as it introduces a new repertoire and teaches cooperation in musical effort. *One hour credit per semester.* By appointment.

22 E. SMALL INSTRUMENTAL ENSEMBLES. String, brass or wood-wind ensembles organized by tryouts and according to interest and available talent. *One-half or one hour credit per year.* By appointment.

VOCAL ENSEMBLE

32 A. A CAPPELLA CHOIR. The A Cappella Choir, as the name indicates, specializes in the singing of unaccompanied choral literature. It is a highly selective choral organization whose members are chosen on the basis of maturity of voice and choral experience. It is limited to 45 voices. Regularity of attendance at rehearsals and performance is of utmost importance.

Students must be enrolled for at least 12 credit hours of school work to be eligible for membership in the A Cappella Choir. Members are expected to maintain their eligibility throughout both semesters of the school year.

The choir rehearses at least three periods each week. It makes occasional appearances at college assembly or chapel services and at the college church. In addition, it participates in the vesper musicale at Regional Conference time and in the Christmas programs in December; it presents a public concert in the early spring, makes a tour each Easter season to churches of the college constituency, and presents programs to school assemblies in the McPherson Community as well as in the touring areas.

The McPherson College A Cappella Choir has come to be regarded as one of the excellent choral organizations of its kind in this territory.

The A Cappella Choir offers *one hour credit per year*. 3:00 M., 4:00, T., Th.

32 CP. CHAPEL CHOIR. The Chapel Choir is a choir of about 45 voices, made up of the overflow of singers who cannot be used in the limited ranks of the A Cappella Choir. It rehearses three times a week and participates in the Tuesday chapel services. The contribution of the Chapel Choir to the interest and inspiration of the chapel services has come to be appreciated by students and faculty.

This choir makes occasional appearances in the Annual Christmas Musicales. In recent years it has won for itself a new place of respect on and off the campus.

The Chapel Choir offers *one hour credit per year*. 3:00 M., 4:00, T., Th.

32 CH. CHURCH CHOIR. The College Church Choir is a choir of about 32 voices, made up of college students who have an interest in church music and who wish to make a contribution to the worship services of the college church. These singers are chosen on the basis of a questionnaire and placement test.

The choir rehearses once a week and participates in the worship services on alternate Sundays. Occasionally it appears for other services, and joins the local church choir for special antiphonal or two-choir numbers. It sings during Religious Emphasis Week, during Regional Conference, and participates in the Annual Christmas Musicales. The activities of this organization should provide worthwhile training and experience for church musicians.

The College Church Choir offers *one-half hour credit per year*. 4:10, W.

32 E. SMALL VOCAL ENSEMBLES. The Quartettes and Trio are singing groups carefully selected on the basis of a questionnaire, a placement test, and a series of ensemble try-outs.

The following groups are organized depending upon the talent available: College Ladies' Quartette, College Ladies' Trio and Pianist, Freshman Male Quartette, and College Male Quartette.

Each group will rehearse a period a day and will meet at least once a week with the instructor. Appropriate and varied materials will be prepared for use in churches and high schools, at conferences and civic gatherings, on the radio, etc. The groups will be expected to be ready and available for frequent public appearances on and off the campus.

The quartettes and trio offer *one hour credit per year*. By appointment.

Because of the important deputation work which the small vocal ensembles do, students who are regular members of these groups will be granted credit free of tuition charges.

34. MUSIC APPRECIATION. This course presupposes no formal knowledge of music on the part of the student. The course develops clearly the "language of music" so that at the close of the term the student is an intelligent listener, with sufficient knowledge of musical forms to enable him to continue the study of music in more advanced courses or independently. *Three hours.* 11:25, M., T., Th.

35. ELEMENTARY SCHOOL MUSIC. A course in the study of methods and materials for teaching in the elementary grades. Required of all students completing the elementary certificate. *Three hours.* 8:40, M., W., F.

38. SONG LEADING AND CHORAL DIRECTING. The introductory study and practice of the basic techniques of conducting as applied to song and choral directing. Class sessions will follow the workshop procedure with each student directing the class. Consideration will be given to the qualifications of the director, rehearsal procedures, selection of suitable music, and basic beat patterns and problems. Alternate years; offered 1958-1959. Not open to those having credit in 139. *Three hours.* 1:15, M., W., F.

41-42. ORGAN THEORY. Open only to organ students who are not music majors. Emphasizes general theory designed especially for playing pipe organ in church services. Modulation and key board harmony work will be included. *One hour.* By appointment.

43. CHURCH MUSIC. A general survey of the history, theory, and practice of sacred music, with special consideration given to church music leadership. The course will include the study of basic song leading and conducting techniques, hymnology, music in worship, the selection of church choir music, appropriate organ and piano materials, and other areas of practical interest to the church musician. Alternate years; offered 1957-1958. *Two hours.* 1:15, M., W.

125-126. MUSIC HISTORY. A study of the musical achievements of man ranging from archeological discoveries to modern aspects. Listening to representative music of the different periods is included. Alternate years; offered 1957-1958. *Two hours.* 2:10, M., W.

135. ELEMENTARY MUSIC METHODS. (See Education and Psychology.) A course in the study of methods and materials for teaching music in the elementary grades. It includes care and development of the child voice, music reading, rhythm, work, and the appreciation of music. Required of students majoring in the music supervisor's curriculum. Special projects as assigned by the teacher. *Three hours.* 8:40, M., W., F.

136. HIGH SCHOOL MUSIC METHODS. (See Education and Psychology.) Classification of voices, music appreciation, and outlines for teaching all musical activities for junior and senior schools. Alternate years; offered 1957-1958. *Three hours.* 8:40, M., W., F.

139. **CONDUCTING.** The introductory study and practice of the basic techniques of conducting as applied to song leading and choral and instrumental directing. Class sessions will follow the workshop method with each student directing the class. Consideration will be given to the qualifications of the conductor, rehearsal techniques, program building, selection of appropriate music, as well as the basic beat pattern and problems. Students will be required to do special research and study in the field of conducting with the purpose of making periodic presentations to the class. Not open to those having credit in 39. Alternate years; offered 1958-1959. *Three hours.* 1:15, M., W., F.

141-142. **INSTRUMENTAL METHODS.** The study of the practical playing ranges, fingering techniques, problems of tone production, and key relationship of the various instruments of the modern band and orchestra. Instruments are brought into class and studied by each student. An elementary playing ability and a working knowledge of the important instruments of each section must be acquired in the course. The first semester will be spent in studying the violin and the other members of the string family. The second semester will be devoted to the study of Brass, Woodwinds, and Percussion. Alternate years; offered 1958-1959. *Three hours.* 1:15, M., W., F.

189-190. **PROBLEMS OF MUSIC.** Advanced study of special topics in music. Prerequisite: Consent of the instructor. *One to three hours.* By appointment.

196. **MUSIC HISTORY AND APPRECIATION.** This course includes materials from both areas which are particularly applicable to the work of the elementary school teacher. Summer 1956 and 1957. *Three hours.*

THEORY OF MUSIC

23-24. **BASIC THEORY.** Syllable singing on unison and part music. Melodic dictation in all keys. Development of ability to hear intervals, rhythm patterns, and musical phrases. The second semester will include advanced sight singing exercises as well as harmonic dictation. *Three hours.* 9:35, M., W.; Lab., Th.

27-28. **FIRST YEAR HARMONY.** Partwriting and keyboard harmony covering scales, intervals, triads and seventh chords in major and minor keys. *Two hours.* 2:10, T., Th.

37-38. **SECOND YEAR HARMONY.** First year harmony is prerequisite. Partwriting and keyboard harmony covering second dominant formations, Italian, French, German, and other sixth chords; transitions, ninth, eleventh, and thirteenth chords; modulation, suspension, anticipation, appoggiatura, passing tones and auxiliaries. Not open to those having credit in courses 137-138. *Two hours.* 8:40, T., Th.

137-138. **ADVANCED HARMONY.** First year harmony is prerequisite. Partwriting and keyboard harmony covering the various altered chords

and embellishments as well as modulation. The writing and harmonization of original melodies is required. Not open to those having credit in course 37-38. *Two hours*. 8:40, T., Th.

145-146. INSTRUMENTATION. An introductory study of the methods and techniques of scoring and arranging for band and orchestra with emphasis on the problems peculiar to public school music. Prerequisites: Harmony 37-38 or Harmony 137-138. *One to three hours*. By appointment.

Orientation

1. ORIENTATION—A course required of all regularly enrolled freshmen designed to help the student make the best possible adjustment to college in general and to McPherson College in particular. The work consists of lectures, forums, panel discussions, outside reading, occupational guidance, and tests. *One hour*. 11:25, W., F., First nine weeks.

Philosophy and Religion

REQUIREMENTS FOR A MAJOR: A minimum of twenty-four semester hours including courses 21, 22, 106, 107, 111, and 116. Other courses which meet the need of the student will be chosen by the student and the professor in consultation.

21. OLD TESTAMENT LIFE AND LITERATURE—A study of Old Testament history, social life, and creative literature from their origins until the Christian era. Special attention to the backgrounds, purposes, and major contributions of the various books within the setting of the times which produced them. *Three hours*. 10:30, T., Th., F.; 2:10, M., W., F.

22. NEW TESTAMENT LIFE AND LITERATURE—A preliminary survey of the ancient civilization from which Christianity developed, followed by a careful study of the literature which the church produced. Careful attention to the social setting, authorship, purpose, and vital contribution of each book, with first-hand studies in each. *Three hours*. 10:30, T., Th., F.; or 2:10, M., W., F.

23. PSALMS AND WISDOM LITERATURE—This course covers the books of Psalms, Job, Proverbs, Ecclesiastes, and the Song of Solomon. These writings are studied in the light of their ancient setting with a view to the discovery of their practical and devotional value for present day experience. Alternate years; offered 1958-1959. *Three hours*. 9:35, M., W., Th.

24. HISTORY OF THE CHURCH OF THE BRETHREN—This course is designed to give an elementary survey of the main facts of the history of the Church of the Brethren. It includes the study of the origin of the church in Germany, the formative period in colonial America, expansion into the west, development of education, the missionary

movements, divisions, and present opportunities. Alternate years; offered 1958-1959. *Three hours.* 8:40, M., W., F.

26. THE CHURCH SCHOOL—A comprehensive and practical course dealing with the educational task and program of the church with special reference to the Sunday School. Aims, curriculum, organization, and administration will be studied. Alternate years; offered 1958-1959. *Three hours.* 8:40, M., W., F.

31, 32. DEVOTIONAL LIFE—A study of the principles and practices of prayer and worship, and the discovery of the available power which God seeks to bestow. *Three hours.* 7:45, T., W., F.

51-52. SEMINAR FOR MINISTERIAL STUDENTS—A course designed to introduce the student to the work of the ministry. The content of the course will vary according to the need of the class from semester to semester. *One hour.* 10:30, W.

108. PROPHET-STATESMEN OF THE OLD TESTAMENT—A study of the great prophetic characters of Hebrew religion in relation to the social problems and political crises of their times. Careful source studies in Amos, Hosea, Isaiah, Jeremiah, etc., show the sensitivity of these leaders to the message of God, and the creative impulse of their thought and action to the life of the world. Alternate years; offered 1957-1958. *Three hours.* 9:35, M., W., Th.

107. INTRODUCTION TO PHILOSOPHY—Approach is made to the field of philosophic thought in terms of its history, leading systems, and most vital problems. The course surveys the meaning, scope, and methods of philosophy; considers the most persistent questions about the universe; introduces the various theories of reality, the problems of knowledge, and the status of values. Alternate years, offered 1958-1959. *Three hours.* 8:40, M., W., F.

111. LIFE AND TEACHINGS OF JESUS—A careful study of Jesus' life and teachings in relation to His social environment, and in the light of the Gospels and of other primary sources of Christian literature. Emphasis upon the practical implication of His life and teachings for present day living. *Three hours.* 11:25; M., T., Th.

116. LIFE AND LETTERS OF PAUL—This course stresses the significance of the Graeco-Roman environment out of which Paul grew, the rise and development of the early Christian church, and the contributions of Paul's life and literary efforts to early Christian and later times. Careful attention to historical background and to the social life of the times is associated with source studies in Paul's own writings. *Three hours.* 11:25, M., T., Th.

126. CHURCH HISTORY—A survey of the origins, evolution, and widening functions of the Christian church in its development from an ancient voluntary association to the most powerful institution and influence of social life. Attention to the environment from which Christianity arose, the organization developed, vital leadership exer-

cised, literature produced, and the place occupied in modern life. Alternate years; offered 1958-1959. *Three hours.* 9:35, M., W., Th.

131. ETHICS—A course in moral philosophy which examines the nature of human conduct and the moral reasons underlying it. Conscience and duty are studied in relation to practical personal and social problems, with the constant objective to give worthy direction to daily life. Alternate years; offered 1957-1958. *Three hours.* 8:40, M., W., F.

141. WORLD RELIGIONS—A critical appreciation of the great living faiths of mankind with regard to their historic connections, social integration, and religious vitality. Special attention is accorded Taoism, Confucianism, Hinduism, Buddhism, Judaism, Islam, and Christianity. Alternate years; offered 1957-1958. *Three hours.* 9:35, M., W., Th.

150. PHILOSOPHY OF RELIGION—An introduction to the most vital problems of religious thought in relation to the working hypothesis of everyday religious living. Investigation into the relationships of philosophy, religion, and science is followed by a careful consideration of faith, God, evil, prayer, and immortality. Alternate years; offered 1957-1958. *Three hours.* 8:40, M., W., F.

161. TECHNIQUES AND PROCEDURES FOR PEACEMAKING—A study of successful procedures used in relieving tension on a personal and group level, and techniques for establishing peaceful human relationships. Alternate years; offered 1957-1958. *Three hours.* 1:15, M., W., F.

189-190. PROBLEMS IN PHILOSOPHY OR RELIGION—Advanced study of special topics in philosophy or religion. Prerequisite: Consent of the instructor. *One to three hours.* By appointment.

Physics

5-6. GENERAL PHYSICS—A study of mechanics, heat, sound, electricity, magnetism and light. Three recitations and one two-hour laboratory period a week. Prerequisite: Math 5-6. *Four hours.* 8:40, M., W., F.

105. ADVANCED PHYSICS—Advanced laboratory practice in electricity and magnetism. *One hour.* By appointment.

116. MECHANICS—A study of applications of the principles of mechanics to problems involving force, friction, velocity, acceleration, momentum, work and energy. *Three hours.* 11:25, M., T., Th.

121. MATHEMATICAL THEORY OF ELECTRICITY—(See Mathematics).

123. ATOMIC THEORY—Theory of electrons, atoms, isotopes, ionization, X-rays, crystal structure, radioactivity and formation of spectra. *Two hours.* 11:25, W., F.

152. ASTRONOMY—A study of constellations, planets, meteors and comets; size, composition, and motion of the sun and stars. *Three hours.* Offered on demand.

189-190. **PROBLEMS IN PHYSICS**—Prerequisite: Twelve hours of physics. *Two or three hours.* By appointment.

Rural Life

REQUIREMENTS FOR A MAJOR: A minimum of twenty-six semester hours including 7, 22, 56, 133, 142, and 180.

RELATED SUPPORTING COURSES: A minimum of twelve hours selected from Biology, Chemistry, or Mathematics.

1. **RURAL LIVING**—A study of rural living leading to an increased understanding of the problems to be faced in the rural community. Field trips to local communities offer opportunity for study of Rural Church, School and Recreational programs. *Two hours.* 8:40, T., Th.

7. **FARM CROPS**—Principles of crop production including classification, distribution, importance and identification of the common field crops. Three hours recitation and two hours laboratory a week. Alternate years; offered 1958-1959. *Four hours.* 7:45, T., W., F. Laboratory 1:15-3:00, T.

9. **POULTRY HUSBANDRY**—Principles and practices of poultry production. Identification of breeds and varieties, selection, and judging of laying and breeding stock and a study of brooding, housing and management practices. Two hours recitation and two hours laboratory a week. Alternate years; offered 1967-1968. *Three hours.* 7:45, W., F. Laboratory 1:15-3:00, T.

22. **ANIMAL HUSBANDRY**—A general survey of the livestock industry with a study of market types, classes, and grades of livestock. Two hours recitation and two hours laboratory a week. Alternate years; offered 1958-1959. *Three hours.* 7:45, W., F. Laboratory 1:15-3:00, T.

25. **DAIRY HUSBANDRY**—Fundamental study of the dairy industry, including selection and breeding of dairy cattle, herd improvement, dairy cattle management, constituents of milk, common dairy tests, and processing and manufacture of dairy products. Two hours recitation and two hours laboratory a week. Alternate years; offered 1957-1958. *Three hours.* 11:25, M., T. Laboratory 1:15-3:00, Th.

30. **LANDSCAPE GARDENING**—Introduction to the fundamental principles of landscape design as applied to the development of both city properties and farmsteads. Alternate years; offered 1957-1958. *Three hours.* 7:45, T., W., F.

56. **FARM SHOP**—Emphasis is placed upon such activities as farm carpentry, painting, cold metal work, sheet metal work, rope work, farm electricity, farm plumbing, and other activities commonly performed on the farm in the maintenance, care, and upkeep of farm equipment.

One hour recitation and four hours laboratory a week. *Three hours.* 10:30, M.

57. ARC WELDING—(See Industrial Arts).

59. ACETYLENE WELDING—(See Industrial Arts).

65. FARM MECHANICS—A course devoted to farm machinery and farm motors. The course is devoted to the study of the various kinds of farm machinery; its selection, operation, servicing, and reconditioning. One hour recitation and four hours laboratory a week. *Three hours.* 11:25, W.

66. FARM POWER—Emphasis is put on tractor engines and power transmission units. Laboratory work includes "tune up," maintenance, and common overhaul work. Offered second semester each year. Four hours laboratory per week. *Three hours.* 10:30, M.

111. GENERAL ENTOMOLOGY—Biology and control of insects, principles of control as demonstrated by studying selected crop and animal pests. A collection and classification of 100 insect species. Two hours recitation and two hours laboratory a week. Alternate years; offered 1957-1958. *Three hours.* 10:30, T., Th. Laboratory 1:15-3:00, W.

118. JUDGING AND SELECTION OF LIVESTOCK—A study of type and form of beef cattle, swine, sheep and horses. Four hours laboratory a week. Prerequisite: Rural Life 22. Alternate years; offered 1957-1958. *Two hours.* Laboratory 1:15-5:00, T.

121. AGRICULTURAL MARKETING—A study of the structure and organization of agricultural markets including principles of agricultural price determination, principles of co-operative marketing and commodity marketing. Prerequisite: Economics 1-2. Alternate years; offered 1958-1959. *Three hours.* 1:15, M., W., F.

133. PRINCIPLES OF FEEDING—The digestive system, nutritive requirements for maintenance, growth and reproduction, and the balancing of rations for the different classes of livestock. Prerequisite: Chemistry 41 or equivalent. Alternate years; offered 1958-1959. *Three hours.* 11:25, M., T., Th.

134. LIVESTOCK PRODUCTION—Feeding and management practices involved in the production of beef cattle, swine, and sheep. Prerequisite: Rural Life 22 and 133. Alternate years; offered 1958-1959. *Three hours.* 11:25, M., T., Th.

142. SOILS—Fundamental principles underlying the formation, fertility, and management of soils including physical, chemical, and biological properties of soils. Prerequisite: Chemistry 2 or equivalent. Three hours recitation and two hours laboratory a week. Alternate years; offered 1957-1958. *Four hours.* 1:15, M., W., F. Laboratory 1:15-3:00 P.

144. FARM ORGANIZATION—Application of economic principles to organization and management of the farm. Use and analysis of farm

records, budgeting, size of operation, choice of enterprises, types of farming, leases, and farm credit. Two hours recitation and two hours laboratory a week. Prerequisite: Economics 1-2. Alternate years; offered 1958-1959. *Three hours.* 1:15, M., W., ⁵Laboratory 1:15-3:00, F.

168. **AUTO MECHANICS**—An advanced study of auto engines. Work includes machine work in rebuilding auto engines such as valve facing, valve seating, pin fitting, reboring cylinders, etc. Much emphasis is placed on engine tolerances and fitting precision parts. *Three hours.* 11:25, W. Four hours laboratory required.

173. **FARM BUILDING CONSTRUCTION**—(See Industrial Arts).

180. **SEMINAR**—Restricted to seniors in Rural Life. Discussions and special assignments of topics in the field of rural life with emphasis on recent developments as reported in current literature. *One hour.* 7:45, M.

Secretarial Science

11. **ELEMENTARY TYPEWRITING**—A course for students who have had no previous training in typewriting. The purpose is to obtain a working knowledge of the keyboard, and to develop considerable speed. *Three hours.* 7:45, M.; 8:40, T., Th.

12. **ADVANCED TYPEWRITING**—This course is intended for students who wish to prepare for clerical or secretarial positions, or for the teacher who will teach typewriting. Prerequisite: Course 11, or its equivalent. *Three hours.* 7:45, M.; 8:40, T., Th.

13. **ELEMENTARY SHORTHAND**—A beginning course in Gregg shorthand in functional method. The aim is to develop an understanding of the basic principles of the shorthand system, and to apply these principles to an extensive vocabulary. Transcription and dictation is required with a minimum speed of sixty words a minute. *Three hours.* 9:35, M., W., Th.

14. **ADVANCED SHORTHAND**—Work is given in rapid dictation and transcription. A speed of from 110 to 120 words a minute is required. Prerequisite: Course 13 or its equivalent. *Three hours.* 9:35, M., W., Th.

NOTE: On sufficient demand courses may be offered as outlined in catalog of 1954.

Sociology

REQUIREMENT FOR A MAJOR: A minimum of twenty-four semester hours including courses 25, 30, 75, 107, and 114.

25. **PRINCIPLES OF SOCIOLOGY**—This is a basic course in sociology. The fundamentals of sociology are considered. It is designed for majors

in the department as well as those who want to understand the structure and function of society. *Three hours.* 1:15, M., W., F.

30. **RURAL SOCIOLOGY**—A study of rural life, its composition, characteristics, problems, trends, recreations, organizations, and religious, educational, and special interests. The importance of rural America and its attractiveness as a way of life are stressed and ways are sought in which it might meet its present day problems. *Three hours.* 1:15, M., W., F.

40. **SOCIAL PROBLEMS**—Some of the important present day social problems will be considered as well as a working philosophy for dealing with these problems. Such problems as race, poverty, and labor will be considered. *Three hours.* 7:45, T., W., F.

75. **MARRIAGE AND THE FAMILY**—This is a study of courtship and marriage particularly designed for college students. It seeks to examine something of the varied marriage practices in our society but the chief emphasis is upon the strengthening of the home through proper mate selection and marital adjustment. The spiritual, physical, and psychological factors of marriage are considered. Open to sophomores, juniors, and seniors. *Three hours.* 9:35, M., W., Th.

105. **THE GROWTH OF CULTURE**—This course seeks to help us understand more fully why we are as we are and why we believe as we do. It seeks to help the student understand cultural accumulation and directions. Religion, history, sociology, philosophy, and other areas are correlated. *Three hours.* 9:35, M., W., Th.

107. **CULTURAL ANTHROPOLOGY**—This course seeks to develop an understanding and appreciation of our debt to our progenitors from the standpoint of our beliefs, economics, art, music, language, customs, mores, inventions, all of our culture patterns. It seeks to understand and evaluate the present in the light of the past and to show the continuity of cultural development and accumulation. Alternate years; offered 1958-1959. *Three hours.* 7:45, T., W., F.

108. **THE CHURCH AND SOCIAL LIVING**—This course will consider the expression of the church through the centuries in social life. The church in general and the Church of the Brethren in particular will receive attention. Alternate years; offered 1957-1958. *Three hours.* 2:10, M., W., F.

110. **SOCIAL PSYCHOLOGY**—In this course an attempt is made to explain group behavior in terms of psychological laws and principles. Special emphasis is placed on the effects of environment and personality development. Alternate years; offered 1958-1959. *Three hours.* 2:10, M., W., F.

112. **CRIMINOLOGY**—A study of the causes and characteristics of the criminal and his crime. The course interests itself more in the individual, the criminal, and his relation to his fellows, than in institutions; but it also seeks to analyze and understand the legal and penal-

ogical aspects of crime, crime prevention, and criminal treatment. Alternate years; offered 1957-1958. *Three hours.* 10:30, T., Th., F.

114. URBAN SOCIOLOGY—The growing importance of cities is traced from early neolithic times, through the several world civilizations that developed, to our great cities of today, crowded with human beings and conditioned by new mores and customs. The city and its relation to the problems of poverty, delinquency, and disease are studied. Recent trends and progress in housing, zoning, and city planning, looking forward to a better city of tomorrow, are analyzed. Alternate years; offered 1958-1959. *Three hours.* 10:30, T., Th., F.

115. HISTORY OF SOCIAL THOUGHT—This course seeks to cover the social thinking of man from primitive times until the present. Great thinkers and systems of thought from the time of recorded history until the present time are considered. Something of the rise of modern sociological thought and writings in the more definite field of sociology are considered. Significant leaders in the field are brought to the attention of the students. Alternate years; offered 1957-1958. *Three hours.* 7:45, T., W., F.

117. SOCIAL WORK—This course offers a general survey of the field of social work, including a study of methods and of applications. Family and child welfare will be stressed in light of the present emergency and growing needs. It is designed for educational, religious, pre-professional, and social workers. Recommended prerequisite: Principles of Sociology. Alternate years; offered 1958-1959. *Three hours.* 10:30, T., Th., F.

161. SOCIAL DEVELOPMENT IN THE COMMUNITY—The place of personal development is considered. Social science in social living and the social processes are given recognition. Several basic institutions such as the family, recreational groups, the school, and the church are included. Some definite projects of social living in the community are given consideration. Alternate years; offered 1957-1958. *Three hours.* 10:30, T., Th., F.

165. SUMMER SOCIAL SERVICE PROJECTS—Students entering Brethren Volunteer Service work, in such projects as mental hospital units, work camps, and like supervised projects, may obtain college credit if arrangements are made with the department and the Curriculum Committee before the student joins the project. The student is expected to take part in the unit's educational program, do pertinent reading, and make a written evaluation of his experience within six weeks after the fall term begins. Summer session. *One to three hours.*

175, 176. SOCIAL SCIENCE FOR CHILDREN INCLUDING CONSERVATION OF RESOURCES—A specialized course directed towards the teaching of social science in the elementary school. *Three hours.* By appointment.

178. GROWTH AND DEVELOPMENT OF CULTURE. In this workshop we seek to follow the growth of various cultural stages of human de-

velopment, such as our marriage and family patterns, religious beliefs, economic understandings, methods of agriculture, transportation, etc. An effort is made to discover trends and to study how we can lend guidance in the right direction. *One hour. Summer, 1956.*

189-190. PROBLEMS IN SOCIOLOGY—Advanced study of special topics in sociology. Prerequisite: Consent of the instructor. *One to three hours. By appointment.*

199, 200. INDEPENDENT STUDY IN SOCIOLOGY—See regulations governing independent study. *One to three hours.*

TOURS

165. WORLD TOURS. Students who participate in organized tours of any geographic area of the world, may obtain college credit if arrangements are made with the Dean of the college and the Curriculum Committee *before* the tour is begun. This must meet the specified requirements established for such credit. *One to three hours.*

V. Administration and Faculty Board of Trustees

As of March, 1957

TERM EXPIRES IN 1957 *Ray E. Underhill*
~~RICHARD HEIN, Vice President~~ *Ray E. Underhill*, Nampa, Idaho
GEORGE OLTMAN, Enders, Nebraska
PAUL E. SARGENT, Chairman, 135 N. Maxwell St., McPherson, Kansas

TERM EXPIRES IN 1958
GEORGE GROVE, South English, Iowa
HARVEY LEHMAN, Route 4, St. John, Kansas
HAROLD MOHLER, Johnson County Mutual, Warrensburg, Missouri

TERM EXPIRES 1959
ROYAL YODER, Conway, Kansas
RALPH LANDES, 2007 Ann, Kansas City, Kansas
VERNON RHOADES, 1118 Maple Avenue, Rocky Ford, Colorado
E. A. WALL, 820 E. Euclid Street, McPherson, Kansas
HUBERT SWINGER, Essex, Missouri

TERM EXPIRES IN 1960
HAROLD BEAM, 321 N. Charles, McPherson, Kansas
HOMER FERGUSON, 1019 N. Walnut St., McPherson, Kansas
MRS. LELAND MOORE, 123 S. Pine St., Newton, Kansas
PAUL W. SHERFY, Secretary, 830 N. Ash, McPherson, Kansas

TERM EXPIRES IN 1961
~~FRANK SCHMIDT~~ *Handwritten*, 001 1/2 N. Main, Newton, Kansas
JACOB DAVIDSON, Route 1, McCune, Kansas
GLENN HARRIS, R. R. 1, Box 2, Jennings, Louisiana
MILFORD BEGLHY, Pfcson, Iowa
RAY A. EMMERT, 510-514 Empire Building, Des Moines 9, Iowa

TERM EXPIRES IN 1962
LESLIE HOLDERREAD, Ripley, Oklahoma
LOUIS BOWMAN, Quinter, Kansas
MARK EMSWILER, Froid, Montana
~~IRA MITCHELL-HOOTER~~ *Handwritten*, Plattsburg, Missouri

EX OFFICIO
DESMOND W. BITTINGER, President, McPherson, Kansas

TREASURER
R. GORDON YODER, McPherson, Kansas

EMERITUS TRUSTEE
J. J. YODER, McPherson, Kansas

*Each trustee is elected for six years.

Standing Committees of the Board

EXECUTIVE: Beam, Lehman, Sargent, Sherfy, Wall, G. Yoder, R. Yoder, (Bittinger, ex officio).

FINANCE AND INVESTMENTS: Sargent, Ferguson, Schrock, Wall, (G. Yoder, ex officio).

EDUCATIONAL: Mohler, Emmert, Landis, Moore, (President and Dean, ex officio).

BUILDINGS AND GROUNDS: Rhoades, Beam, Grove, Lehman, Sherfy, (G. Yoder, ex officio).

Officers of the Faculty

1956-1957

D. W. BITTINGER, Ph. D.	<i>President</i>
J. M. BERKEBILE, Ph. D.	<i>Dean</i>
ALICE E. MARTIN	<i>Registrar</i>
R. GORLON YODER, B. S.	<i>Treasurer and Business Manager</i>
RAYMOND L. FLORY, Ph. D.	<i>Dean of Students</i>
MARY FEE, Ph. D.	<i>Dean of Women</i>
S. M. DELL, M. S.	<i>Dean of Men</i>

Standing Committees of the Faculty

1956-1957

ADMINISTRATIVE: Bittinger, Berkebile, Dell, Fee, Flory, Hess, Wagoner, Sollenberger, Yoder.

ADMISSIONS AND CURRICULUM: Berkebile, DeCoursey, Frantz, Hess, Martin, Olson.

ATHLETICS: Yoder, Beam, Berkebile, Bittinger, Flory, Hayes, Wise, Sherfy, Smith.

CALENDAR AND BULLETIN BOARD: Miriam Dell.

CAMPUS AND GROUNDS: Clive, Kendall, Smith, Yoder, Ward.

CHAPEL AND LYCEUM: Metzler, Berkebile, Coppock, Frantz, Krehbiel, Ward.

DEANS: Berkebile, Dell, Fee, Flory.

FACULTY PROGRAM: Hayes, Frederick, Lehman, Olson, Rothrock.

FACULTY REPRESENTATIVES ON STUDENT COUNCIL: Berkebile, Dell, Fee, Flory.

FACULTY SOCIAL: Wagoner, Bechtel, Coppock, Kinzie, Seik, Wise.

HISTORICAL: Bechtel.

LIBRARY: Lehman, Bechtel, Harris, Ward.

LOANS: Yoder, Flory, Hawkinson, Sheets.

PERSONNEL AND COUNSELING: Flory, Berkebile, Bittinger, DeCoursey, Dell, Fee, Neher, Willems.

PLACEMENT: Fritz, Wagoner.

PUBLICITY AND PUBLIC RELATIONS: Wagoner, Bittinger, Brunk, Kirzle, Sheets.

RELIGIOUS LIFE: Sollenberger, Metzler, Zelles.

SOCIAL: Burkholder, Rothrock, Students.

SUMMER SESSION: Berkebile, Bechtel, Fee, Martin.

NOTE: The president is a member (ex-officio) of all committees.

Committee on Higher Education

COLLEGE AND SEMINARY PRESIDENTS CHURCH OF THE BRETHREN

A. C. BAUGHER, <i>Chairman</i>	Elizabethtown, Pennsylvania
C. E. DAVIS, <i>Secretary</i>	Elgin, Illinois
D. W. BITTINGER	McPherson, Kansas
WARREN D. BOWMAN	Bridgewater, Virginia
C. N. ELLIS	Huntingdon, Pennsylvania
HAROLD D. FASNACHT	La Verne, California
A. BLAIR HELMAN	North Manchester, Indiana
PAUL M. ROBINSON	Chicago, Illinois

The Faculty

1956-1957

DESMOND W. BITTINGER, A. B., A. M., Ph. D.

*President and Professor of Sociology (1950, 1940).**

A. B., Elizabethtown College, 1927; A. M., University of Pennsylvania, 1934; Ph. D., University of Pennsylvania, 1940. Instructor: University of Illinois, summer, 1939; Bethany Biblical Seminary, Chicago, 1949; Elgin Community College, 1948-49; Foreign Travel, 1930-40, 1952, 1958.

JAMES M. HERKEBILE, A. B., A. M., Ph. D.

Dean of College and Professor of Chemistry (1950, 1943).

A. B., Manchester College, 1934; A. M., Ohio State University, 1935; Ph. D., Ohio State University, 1951.

R. GORDON YODER, B. S.

Business Manager and Treasurer (1953, 1946).

B. S., McPherson College, 1939; College Business Management Workshop, University of Omaha, summers 1950, 1952.

ROBERT ELLSWORTH MOHLER, A. B., M. S., Sc. D.

Curator of the Museum and Professor Emeritus of Biology (1933).

A. B., Mt. Morris College, 1912; M. S., Kansas State College, 1917; Michigan State College, 1913; University of Wisconsin, 1923; University of Kansas, summer, 1927; Member Seminar, National University, Mexico City, 1929; Sc. D., La Verne College, 1941.

J. HOWARD FRIES, A. B.

Manager of College Farms and Treasurer Emeritus (1953, 1910).

New York University, summers, 1915, 1918; A. B., McPherson College, 1923.

ALICE B. MARTIN, B. S.

Registrar (1950, 1938).

B. S., McPherson College, 1929; K. S. T. U., Emporia, 1931-1932 and summer, 1925; Foreign Travel, summer, 1951; University of Denver, 1953.

RAYMOND L. FLORY, B. S., A. M., Ph. D.

Dean of Students and Professor of History and Political Science (1950, 1947).

B. S., McPherson College, 1930; A. M., University of Kansas, 1942; Ph. D., University of Kansas, 1955; Foreign Travel, summers, 1949, 1951, 1952, 1955.

SAMUEL MILTON DELL, B. S., M. S.

Dean of Men and Professor of Industrial Arts Education (1937, 1931).

B. S., McPherson College, 1926; M. S., Iowa State College, 1934; Central Missouri State Teachers College, summer, 1927; University of Chicago, summer, 1936; Kansas State College, summer, 1943; Foreign Travel, summer, 1952; Brothers Service and Foreign Travel, 1956.

MARY FEE, B. S., M. S., Ph. D.

Dean of Women and Professor of Education (1946).

B. S., 1930; M. S., 1932; Ph. D., University of Kansas, 1949.

JOHN K. SHEETS, A. B.

Director of Public Relations (1956).

Missouri State Teachers College, 1922; Chillicothe Business College, 1925-1936; A. B., McPherson College, 1949; Fort Hars State College, 1958.

*The first date indicates the year of appointment to present position; the second denotes the year of the first connection with the faculty when such is not indicated by the one date.

- EARL M. FRANTZ, A. B., B. D., A. M., D. D.**
Director of Capital Giving (1948, 1943).
 A. B., McPherson College, 1921; B. D., Bethany Biblical Seminary, 1922; A. M., University of Chicago, 1925; D. D., McPherson, 1928.
- VIRGINIA HARRIS, A. B., B. S., and M. S. in L. S.**
Librarian (1944).
 A. B., McPherson College, 1929; B. S. in L. S., Louisiana State University, 1942; M. S. in L. S., Louisiana State University, 1945.
- PAUL WAGONER, A. B., B. D.**
Alumni Secretary and Assistant in Public Relations (1955).
 A. B., McPherson College, 1949; B. D., Bethany Biblical Seminary, 1951.
- KENNETH C. BECHTEL, A. B., B. D., M. Th., Ph. D.**
Professor of Sociology and Language (1955, 1940).
 A. B., Juniata College, 1925; B. D., Presbyterian Theological Seminary, 1931; M. Th., Bethany Biblical Seminary, 1933; Ph. D., University of Chicago, 1937.
- JOSEPH L. BOWMAN, A. B., M. S.**
Professor of Mathematics and Physics (1925).
 A. B., McPherson College, 1918; M. S., University of Chicago, 1924; Oberlin College, 1918-1919; Yale University, 1919-1920; University of Kansas, summer, 1921.
- JESSIE BROWN, B. M.**
Professor Emerita of Piano (1952, 1915).
 Diploma Bethany Conservatory, 1907; B. M. Bethany College, 1910; Piano Instructor, 1908-1912, Bethany College; student, Royal Conservatory, Leipzig, Germany, 1913-1914; special student, Chicago summer, 1935.
- SARAH MAY BRUNK, A. B., A. M.**
Associate Professor of English and Journalism (1955, 1947).
 A. B., McPherson College, 1942; Library School, Kansas State Teachers College, Emporia, summer, 1945; A. M., University of Kansas, 1952.
- JOHN BURKHOLDER, A. B., Ph. D.**
Professor of Biology (1955, 1952).
 A. B., McPherson College, 1949; Ph. D., University of Chicago, 1954.
- DORIS COPPOCK, A. B., M. A.**
Director of Physical Education for Women; Associate Professor in Music (1955, 1950).
 A. B., McPherson College, 1945; University of Kansas, summer, 1950; M. A., University of Iowa, 1954.
- VERDA GROVE DECOURSEY, B. S.**
Instructor in Design in Home Economics Dept. (1952).
 B. S., McPherson College, 1940; Iowa State College, 1947 and 1948.
- WESLEY DECOURSEY, B. S., Ph. D.**
Professor of Chemistry (1955, 1952).
 B. S., McPherson College, 1940; Ph. D., Iowa State College, 1952.
- MERLIN FRANTZ, A. B., M. Ed.**
Associate Professor of Education and Psychology (1955, 1954).
 A. B., McPherson College, 1941; Brothers Service and Foreign Travel, 1944-1948; M. Ed., University of Nebraska, 1952; Residence requirements completed for Ed. D., University of Nebraska, 1954.
- DONALD R. FREDERICK, B. S., B. D., M. M.**
Professor of Voice, Director of Choral Organization, and Director of Bands (1955, 1945).
 B. S., Music Education, Manchester College, 1939; Ohio State University, ten-week summer session, 1941; B. D., Bethany Biblical Seminary, 1945; private voice study, Sherwood Music School, 1944-1945; M. M., Northwestern University, 1949.

GUY HAYES, A. B., A. M.

Professor of Speech and Debate (1956, 1956).

A. B., McPherson College, 1911; A. M., Colorado Agricultural and Mechanical College, 1911.

MAURICE A. HESS, A. B., A. M., Litt. D.

Professor Emeritus of English and Latin (1957, 1910).

Graduate, Cumberland Valley Normal, 1908; A. B., Ursinus College, 1911; A. M., University of Pennsylvania, 1917; University of Chicago, summers, 1938, 1937, Litt. D., McPherson College, 1951.

KENNETH KINZIE, B. F. A.

Assistant Professor of Art (1955).

B. F. A., Art Institute of Chicago, 1934; Commercial Artists Conference, Association of America, 1934-1955.

ANNE KREHBIEL, B. M., M. M.

Professor of Piano (1956, 1946).

B. M., University of Kansas, 1944; M. M., University of Kansas, 1945; Master Classes, University of Kansas City, summer, 1950; Student of Carl Friedberg, New York City, 1947-1948; Colorado College, summer, 1950; School of Church Music, Evergreen, Colorado, summer, 1952; Robert Shaw Choral Clinic, San Diego, California, Summer, 1955.

DELLA LEHMAN, A. B., A. M.

Professor of English (1927).

A. B., Manchester College, 1921; University of Chicago, summer 1921; A. M., University of Southern California, 1924; University of London, 1930; Harvard, summer, 1932; Columbia University, summer, 1937; Johns Hopkins, summer, 1939; Columbia College of Drama and Radio, summer, 1942; University of Minnesota, summer, 1944; Brethren Service and Foreign Travel, 1952.

BURTON METZLER, A. B., B. D., Th. B., Ph. D.

Professor of Philosophy and Religion (1937).

A. B., Manchester College, 1929; B. D., Bethany Biblical Seminary, 1921; Th. B., Princeton Theological Seminary, 1924; Ph. D., Southern Baptist Theological Seminary, 1928.

MILDRED I. OLSON, B. S.

Instructor in Secretarial Science (1956).

B. S., State University of Iowa, 1922.

OSCAR A. OLSON, B. S., A. M., Ph. D.

Professor of Economics and Business Administration (1939).

B. S., Northern State Teachers College (South Dakota), 1928; A. M., University of Iowa, 1932; Ph. D., University of Iowa, 1939; Economics in Action Program, University of Wisconsin, Summer, 1956.

DAYTON G. ROTHROCK, A. B., M. Ed.

Assistant Professor of Education, Director of Dramatics (1956).

A. B., McPherson College, 1947; University of Colorado, summer, 1948; M. Ed., University of Nebraska, 1951; University of Nebraska, summers, 1955, 1956.

AUDREY SAN ROMANI, B. M.

Associate Professor of Piano and Organ (1952, 1945).

B. M., Bethany College, 1925; University of Kansas, summer, 1943.

MILDRED SIEK, B. S., M. S.

Professor of Home Economics (1943).

B. S., McPherson College, 1925; University of Colorado, summer, 1930; Kansas State College, summers 1940, 1941; M. S., University of Wisconsin, 1943; Kansas State College, 1948; Columbia University, summer, 1956.

SIDNEY L. SMITH, A. B.

Director of Athletics and Coach (1953).

A. B., Kansas Wesleyan University, 1926; Ft. Hays State Teachers College, summer, 1926; Colorado State Teachers College, summer, 1948.

DOROTHY DAWSON SOLLENBERGER, B. S.

Instructor in Piano (1951).

Cincinnati Conservatory of Music, summer, 1944; B. S., Manchester College, 1944.

PAUL V. SOLLENBERGER, A. B.

Assistant Professor of Music Education and Theory, Stringed Instruments, and Director of Orchestra (1952, 1956).

Manchester College, 1941-42; University of Dayton, 1944-45; Sherwood Music School, 1945; A. B., McPherson College, 1947; Northwestern University, summers 1947 and 1948.

JOHN K. WARD, B. S., M. S.

Director of Rural Life and Manager of College Farm (1956).

B. S., McPherson College, 1930; B. S., Kansas State College, 1931; M. S., Oklahoma Agricultural and Mechanical College, 1935; Oklahoma Agricultural and Mechanical College, summer, 1934.

ALVIN W. WILLEMS, B. S.

Assistant Professor in Industrial Arts and Mechanics (1956, 1950).

B. S., McPherson College, 1930; Kansas State College, 1934-1937.

ROBERT WISE, B. S.

Assistant Coach, Instructor in Physical Education.

B. S., McPherson College, 1934.

MIRIAM W. DELL, A. B.

Secretary to the President and to the Dean (1951).

A. B., McPherson College, 1925; Foreign Travel, summer, 1932; Brethren Service and Foreign Travel, summer, 1935.

LORRETTA TIPTON, A. B.

Secretary to Business Manager (1952).

A. B., McPherson College, 1932.

EDNA NEHER, A. B.

Housemother in Dotzour Hall (1953, 1940).

A. B., McPherson College, 1924.

J. K. CLINE

Superintendent of Buildings and Associate Superintendent of Grounds (1946).

LEE KENDALL

Chief Engineer and Associate Superintendent of Grounds (1952).

FLORENCE ROYER, R. N.

School Nurse (1956).

DONALD E. ROWE, A. B., B. D.

Executive Secretary of the Western Region.

HARRY K. ZELLER, JR., A. B., B. D., A. M., D. D.

Pastor of the Church of the Brethren.

Application for Admission

1. Name, Mr. or Miss _____ Age _____
Address _____
2. Parent, or guardian _____
Address _____
3. In what year did you graduate from high school? _____
4. Name and address of your high school _____
5. Name and address of your high school principal _____
6. No. in your graduating class _____ Your rank in class _____
Average grade _____
7. If you have attended another college, give name, location, and dates _____
8. Church membership _____ or preference _____
Name of congregation _____
9. Intended vocation, if decided _____
10. Courses you have found most interesting _____
11. School honors achieved _____
12. Underscore extra-curricular activities of chief interest to you:
A Cappella Choir, Band, Orchestra, Solo Work, Quartette, Debate, Oratory, Dramatics, School Paper, Annual, Amateur Photography, Clubs, Deputation, Football, Basketball, Track, Tennis, Baseball, Student Council. Name others _____
What is your hobby? _____
13. References:
A former teacher in high school or college:
Name _____ Address _____
A responsible person who knows you well:
Name _____ Occupation _____
Address _____
14. Do you wish a room in the dormitory? _____ If so, please send a \$10.00 room reservation with this application and state which dormitory you prefer _____
15. Do you understand and agree to follow the rules and regulations of the college as outlined in the catalog? _____
16. Year you expect to enroll in M. C. _____
17. Date _____ Applicant's Signature _____
Please send this application and a recent picture to the Office of Admissions, McPherson College, McPherson, Kansas.

Physical Examination Blank

1. Full name _____ Age _____
2. Home address _____
3. Date of Birth _____ College Class _____
4. Height _____ Weight _____ Pulse _____ Spine _____
5. Systolic Pressure _____ Diastolic Pressure _____
6. Eyes _____ Ears _____ Nose and Throat _____
7. Heart _____ Lungs _____
8. Feet _____ Hernia _____ Hemorrhoids _____
9. Teeth _____
10. List serious injuries and operations and year of each:

11. Miscellaneous Information (check girls for dysmenorrhea):

12. What diseases have you had and the year:
- | | |
|----------------------|--------------------|
| Scarlet Fever _____ | Tonsillitis _____ |
| Diphtheria _____ | Tuberculosis _____ |
| Small Pox _____ | Pneumonia _____ |
| Whooping Cough _____ | Rheumatism _____ |
| Typhoid Fever _____ | Others _____ |
13. In your opinion are there reasons why this individual should not enroll and participate in regular college activities? _____
If your answer is yes, please give reason: _____

14. Date of Examination _____
15. Doctor's Signature _____
16. Doctor's Address _____

This application when completed should be forwarded to the Office of Admissions, McPherson College, McPherson, Kansas.

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