

BULLETIN OF  
**McPherson College**

FORTY-SIXTH YEAR



CATALOGUE  
NUMBER

*Published at McPherson College  
McPherson, Kansas  
February, 1933*



McPHERSON COLLEGE CAMPUS AS SEEN FROM THE WEST  
Gymnasium, Harvey Hall, Kline Hall, Sharp Hall, Arnold Hall, Faberstock Hall,  
Turner Library.

SERIES XXII

FEBRUARY, 1933

NUMBER 1

**BULLETIN**  
OF  
**McPHERSON COLLEGE**  
CATALOGUE NUMBER



*Life and Light — John 1:4*

**PUBLISHED BY**  
**McPHERSON COLLEGE**  
**McPHERSON, KANSAS**

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## CALENDAR

1933

- June 5—Registration for Summer Session<sup>S</sup> at McPherson College.
- July 28—Close of Summer School, at McPherson College.
- Sept. 11—Monday, registration begins for first semester.
- Sept. 13—Wednesday, first semester classes begin, opening address, 10:00 A. M.
- Nov. 30-Dec. 1—Thanksgiving recess.
- Dec. 21—Thursday, 4:30 P. M., Christmas recess begins.

1934

- Jan. 3—Wednesday, 8:00 A. M., classes convene after Christmas recess.
- Jan. 24, 25, 26—Final examination, first semester.
- Jan. 29, 30—Registration for second semester.
- Jan. 31—Classes convene for second semester.
- March 29—4:30 P. M. to April 3, 8:00, Easter Vacation.
- May 25—Friday, 8:00 P. M., Recital, Music Department.
- May 26—Saturday, 8:00 P. M., President's Reception to Seniors.
- May 27—Sunday, 8:00 P. M., Baccalaureate Sermon.
- May 28, 29, 30—Final Examinations, second semester.
- May 31—Thursday, 10:00 A. M., Class Day Exercises.
- May 31—Thursday, 6:30 P. M., Alumni Reunion.
- June 1—Friday, 10:00 A. M., Forty-sixth Annual Commencement.

## OFFICERS OF ADMINISTRATION

## BOARD OF TRUSTEES

Fred Beck	Nickerson, Kansas
Paul Brandt, Vice-Chairman	Holmesville, Nebr.
Roy A. Crist	Quinter, Kansas
D. T. Dierdorff	Surrey, North Dakota
Ira Frantz	Fruita, Colo.
Clark Garst	Cordell, Oklahoma
W. D. Grove	South English, Iowa
H. J. Haraly	McPherson, Kansas
Glen Harris	Jennings, La.
Floyd Jarboe	Nevada, Missouri
W. A. Kinzie	Navarre, Kansas
R. E. Loshbaugh	Fredonia, Kansas
J. E. Ralston	Sheldon, Iowa
V. F. Schwalm, Pres. of College	McPherson, Kan.
H. G. Shank	Bowmont, Idaho
Judge Shoemaker	Plattsburg, Missouri
Robert Sink	Carleton, Nebraska
B. F. Stouffer	Rocky Ford, Colo.
Dale Strickler, Secy.	McPherson, Kansas
Ray C. Strohm, Chairman	McPherson, Kansas
Ernest Wall	McPherson, Kansas
Ira Witmore	Rich Hill, Mo.
J. J. Yoder, Treasurer	McPherson, Kansas
Ray E. Zook	Elkhart, Iowa

## EXECUTIVE COMMITTEE OF THE BOARD

Ray C. Strohm	Chairman of the Board
Dale Strickler	Secretary of the Board
J. J. Yoder	Treasurer of the Board
H. J. Haraly	Trustee, S. W. Kansas
Ernest Wall	Trustee, S. W. Kansas
V. F. Schwalm	President of the College

## OFFICERS OF THE FACULTY

V. F. Schwalm, Ph. D.	President
F. A. Replogle, A. M.	Dean-Registrar
R. E. Mohler, M. S.	Dean of Men
Edith McGuffey, A. M.	Dean of Women
J. H. Fries, A. B.	Business Manager

→ MARY EDITH MCGAFFEY\*, A. B., A. M.

*Dean of Women and Professor of English* (1927, 1949).

A. B., McPherson College, 1919; A. M., University of Kansas, 1919; University of Chicago, summers 1921, 1928, 1928 and 1931.

• JOHN ALVIN BLAIR, A. B., A. M.

*Director of Student Teaching and Professor of Education and Psychology* (1931-1911).

A. B., 1917; A. M., University of Kansas, 1918; University of Colorado, summer 1924; University of Iowa, summer 1929; University Chicago, summer 1930.

→ JOSEPH L. BOWMAN, A. B., M. S.

*Professor of Mathematics and Physics* (1926).

A. B., McPherson College, 1918; Graduate student, Oberlin College; M. S., University of Chicago, 1924.

→ J. DANIEL BRIGHT, A. B., A. M., Ph. D.

*Professor of History and Political Science* (1926-1928, 1930).

A. B., Manchester College, 1922; A. M., University of Wisconsin, 1926; Ph. D., University of Wisconsin, 1930.

• JESSIE BROWN, B. M.

*Director of Piano Department* (1915), *Head of the Department of Music*.

Diploma from Bethany Conservatory, 1907; B. M., Bethany College, 1910; Piano Instructor in Bethany, 1908-1913; Student in Royal Conservatory, Leipzig, Germany, 1913-1914.

→ *Dr. Wick*  
LEUZE RECKMAN, A. B., B. D., Th. M., A. M.

*Professor of Philosophy and Religion* (1927).

A. B., Mount Morris College, 1913; B. D., Bethany Biblical Seminary, 1916; Th. M., Bethany Biblical Seminary, 1920; A. M., University of Chicago, 1922.



→ J. WILLARD HERSHEY, B. S., M. S., Ph. D.

*Professor of Chemistry* (1918).

B. S., 1907; M. S., Gettysburg College, 1910; Graduate student Harvard, 1907-1908; Johns Hopkins, 1911-1912; Ph. D., University of Chicago, 1924.

→ MAURICE A. HESS, A. B., A. M.

*Professor of Latin and Debating* (1925, 1919).

Graduate Cumberland Valley Normal, 1908; A. B. Ursinus College, 1914; A. M., University of Pennsylvania, 1917; University of Chicago, summer, 1930.

- DELLA LEHMAN, A. B., A. M.

*Professor of English and German* (1929, 1927).

A. B., Manchester College, 1921; Graduate student, University of Chicago, summer, 1921; A. M., University of Southern California, 1924; Student University of London, 1930.

↘ EARL R. BOHLING, A. B., A. M.

*Professor of Commerce* (1929).

A. B., Kansas Wesleyan University, 1927; A. M., University of Kansas, 1929. Summer School University of Kansas, 1929.

- MARGARET HECKETHORN, A. B. *Part of Section ... act*

*Assistant Professor of Library Science and Librarian* (1924).

A. B., McPherson College, 1924; Graduate work, summer 1925, Fort Collins, Colorado; summer 1927, Columbia University; Member American Library Association.

→ FERN LINGENFELTER, B. M.

*Assistant Professor of Public School Music* (1927).

B. M., McPherson College, 1925; Student in Piano under Thorsen and Ladgren, Bethany Conservatory, Lindsborg, Kansas; Student with Miesner in Public School Music and Boquelowsky in Piano, Chicago Musical College, summer 1927.

~~MARLEN McLEATH, B. S., A. M.~~

*Assistant Professor of Home Economics* (1931).

B. S., Kansas State College, 1919; University of Wisconsin, summer, 1924; A. M., Columbia University, 1930.

→ ALVIN C. VORAN, A. B., B. M.

*Professor of Voice.*

Diploma in Voice, 1927, McPherson College; A. B., 1928, McPherson College; B. M., 1928, American Conservatory of Music; Student, D. A. Clippenger, Chicago, Ill.

→ MELVIN J. BINFORD, B. S.

*Instructor in Physical Education, Director of Athletics (1930).*

B. S., Kansas State Teachers College (Pittsburg), 1926; Graduate Student, University of Iowa, 1930.

→ MAURINE STUTZMAN, A. B.

*Instructor in Stenography (1932).*

A. B., McPherson College, 1927; Chillicothe Business College, 1928-1929.

→ CLARA COLLINE

*Instructor in Art (1927)*

Bethany College, Artist Certificate Special Student Prof. Birger Sandzen, 1927; Student Chicago Art Institute, 1922; Special Student Mrs. A. Bass, Wichita, Kansas.

→ SAMUEL MILTON DELL, B. S.

*Instructor in Industrial Education (1931).*

B. S., McPherson College, 1926; Central Missouri State Teachers College, summer 1927; Iowa State College, summer 1931.

→ ~~HELEN BROWN, B. M.~~ *Ed. Dept.*

*Instructor in Violin (1929).*

B. M., Bethany College, 1927.

AUDREY GROVES, *McPherson*

*Instructor, Women's Physical Education.*

OLIVER H. AUSTIN, A. B., B. D.

*College Evangelist (1915).*

A. B., 1915; B. D., 1920, McPherson College.

→ *every body, this is all, all, all, school*

MRS. HAZEL AUSTIN, A. B.

*Evangelistic Singer (1915).*

A. B., McPherson College, 1920.

\* MRS. M. W. EMMERT,

*Home Mother (Arnold Hall) (1932).*

FRANK FORNEY,

*Superintendent, Buildings and Grounds,*

## GENERAL INFORMATION

### LOCATION AND ACCESSIBILITY

McPherson, Kansas, is not far from the center of the state of Kansas. It is in the center of a rich agricultural area which has been made famous by the quantity and quality of wheat produced. More recently it has become famous for its production of oil and gas. The town is a thriving little city of about five or six 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, corn and alfalfa. The climate is mild and healthful.

McPherson is easily accessible from all parts of the country. The El Paso division of the Rock Island system, over which run daily trains through McPherson. A branch of the Santa Fe system connects McPherson with the main line at Florence and at Ellinwood. The Union Pacific connects McPherson with Salina, and the Missouri Pacific with Eldorado and Newton. McPherson is located on the Santa Fe Trail and the Meridian Highway, and is therefore easily accessible by automobile.

### HISTORY

The history of McPherson College dates back to the year 1887, when at the Annual Conference of the Church of the Brethren held at Ottawa, Kansas, a committee was appointed at an educational meeting to locate and organize a college and industrial institute. The officers of the movement were: S. Z. Sharp, Pres.; M. M. Eshelman, Sec.; and George E. Studebaker, Business Manager.

September 5, 1888, school was opened in Fahnestock Hall, and the enrollment of the year reached almost 200. Owing to a financial crisis, a re-organization took place in 1895. Outstanding indebtedness was soon cancelled and in 1898 the Sharp Administration building was completed. The name, "McPherson College," was adopted in 1898 when a new charter was secured from the State of Kansas.

### MT. MORRIS COLLEGE

In the spring of 1932 Mt. Morris College, located at Mt. Morris, Illinois, announced an academic merger with Manchester College. Her trustees later recommended that the territory once constituting the Mt. Morris College area should be divided between Manchester and McPherson Colleges with the Mississippi as the dividing line. During the summer of 1932 the four Districts west of the Mississippi voted to affiliate with McPherson College. These Districts were (1) North Dakota and Eastern Montana; (2) Northern Iowa, Minnesota and South Dakota; (3) Middle Iowa and (4) Southern Iowa. This territory includes 68 churches and 5681 members.

The buildings of Mt. Morris College were sold to Kable Brothers. The Miller and Cassel Libraries were given to Bethany Biblical Seminary. The laboratories were purchased by Manchester College. The endowment and annuity funds are to be held by the General Educational Board of the church, the proceeds to be equally divided between Manchester and McPherson Colleges.

Mt. Morris College had its beginning as Rock River Seminary, in 1839. It was then a Methodist College and remained so until 1879 when its buildings were purchased by leaders of the Church of the Brethren, including such venerable names as D. L. Miller, J. H. Moore and M. M. Eshelman. In 1883 J. G. Royer became associated with the school and in 1884 became its President. He was a great college president for 20 years during which time the

College grew to great influence and power. He was succeeded by J. E. Miller, who was President from 1904 to 1915, further years of great development in the College. Later Presidents of Mt. Morris were J. S. Noffsinger, 1915 to 1918; Levi S. Shively, 1918-1921; A. J. Brumbaugh, 1921-1925; W. W. Peters, 1925-1928; O. W. Neher, 1928-1929; C. Ernest Davis, 1929-1932.

Mt. Morris College has had great influence in the life of the Church of the Brethren. From here our pioneer missionaries to India set forth, Bro. W. D. Stover and wife. Many other leaders of the church were trained here. The influence of the College will continue in many lines. McPherson College will seek to be a worthy successor of Mt. Morris College and to the people who now look to McPherson for training and leadership.

#### IMPORTANT DATES

- 1887—School Committee appointed at Annual Conference held at Ottawa, Kansas.
- 1888—Fahnestock Hall built, and foundation laid for Sharp Administration building.
- 1888—School opened.
- 1895—Reorganization.
- 1898—Institution named "McPherson College".
- 1901—Sharp Administration building completed.
- 1905—Carnegie Library built.
- 1911—Alumni Gymnasium built.
- 1912—Board of Trustees increased to 15.
- 1913—Election of Trustees by District Conferences.
- 1915—New Heating Plant built.
- 1916—Arnold Hall built.
- 1917—Completion of \$225,000 endowment.
- 1919—Erection of Kline Hall.

- 1922—Harnly Hall completed.
- 1927—Membership in The Association of American Colleges.
- 1928—Chapel remodeled and enlarged.
- 1932—Mt. Morris Territory west of Mississippi added. Trustees increased to 24.

#### PRESIDENTS OF McPHERSON COLLEGE

S. Z. Sharp, A. M., 1888—1896.

C. E. Arnold, A. M., 1896—1902.

Edward Frantz, A. M., D. D., 1902—1910.

S. J. Miller, A. M., L. H. D., 1910—1911 (acting President).

John A. Clement, Ph. D., 1911—1913.

H. J. Harnly, Ph. D., 1913—1914 (acting President).

Daniel Webster Kurtz, A. M., B. D., D. D., 1914—1927.

V. F. Schwalm, A. M., Ph. D., 1927.

#### CONTROL OF THE COLLEGE

McPherson College is the property of the Church of the Brethren, and is under the direct control of the following state districts: S. W. Kansas; N. E. Kansas; S. E. Kansas; N. W. Kansas; Nebraska; Northern Missouri; Middle Missouri; Southern Missouri; Oklahoma; Western Colorado and Utah; Idaho and Western Montana; Louisiana and Eastern Texas; Eastern Colorado; North Dakota and Eastern Montana; Northern Iowa; Minnesota and South Dakota; Middle Iowa; and Southern Iowa. The trustees, twenty-four in number, are all members of the Church of the Brethren, who are influential and aggressive in education. Of the Board, five, constituting an executive committee, have immediate con-

trol of the school. The president of the College is ex-officio a member of the Board. The Alumni of the college elect one member of the Board. The General Educational Board of the Church of the Brethren has a supervising control over all the colleges of the church.

### PURPOSE AND IDEALS

McPherson College was established in order to provide the young people of the Church of the Brethren with facilities for a thorough Christian education; there is no denominational test for admission, and its doors are open to all persons of good moral character who are in sympathy with the general spirit of the institution.

The College considers education a development of the whole being—body, mind, and spirit. While the most thorough and exacting intellectual discipline is demanded, special care is taken that the whole atmosphere of the school shall be favorable to spiritual culture. High ideals of character are constantly held forth, for true education includes both the acquisition of power and the direction of this power to worthy ends. Training for honorable service for humanity and for appreciation of the best things life affords, are ideals distinctly taught.

### MORAL AND RELIGIOUS INFLUENCES

The high ideals and principles for which the college itself stands, together with most favorable surroundings, combine to impart to the student life a moral tone of an exceptionally high order. McPherson has two colleges, many live churches, a large and active Y. M. C. A., a public library, and other uplifting agencies. McPherson depends for its prosperity upon the rich agricultural community and a prosperous oil field which surrounds it. It is an ideal college town; a place in which it is a pleasure to live and to which it is safe for parents to send their sons and daughters.



Devotional exercises for the entire school are conducted in the college chapel and student groups have evening devotionals in the dormitories. The morning watch is observed, and systematic daily Bible study pursued by many. There are Sunday School and two preaching services in the New Church each Lord's day. Active young people's societies exert a strong Christian influence upon the students. The teachers, who always determine the religious tone of an educational institution, are Christian men and women, and their daily work is permeated by the Christian spirit.

## MATERIAL EQUIPMENT

### SEARF ADMINISTRATION BUILDING

The main building, finished in 1898, is ninety-four feet wide by one hundred seventeen long, and contains three stories. In this building are the Chapel, recitation rooms, commercial hall, the book store, Y. W. C. A. room and the Administration offices.

### FARNESTOCK HALL

The men's dormitory, built in 1888, is a three-story building, with basement, 40 by 100 feet. The students' rooms are large and well lighted, and are equipped with steam heat. There are baths and lavatories on each floor. A man and his wife are employed by the college to have general charge of this dormitory.

### ARNOLD HALL

The women's dormitory is built of pressed brick, trimmed in Bedford limestone, and is a model of beauty and convenience. It is 32 by 70 feet with a wing 32 by 40 feet, three stories and basement. Kitchen and dining room are in the basement. There are large parlors, matron's rooms, baths and toilet on each floor, and thirty-five students' rooms. The rooms are large, and are furnished with comfortable and substantial furniture. This ideal home for girls

is in charge of a competent matron who devotes her time to their comfort and welfare.

#### ELINE HALL

This dormitory is a commodious three story brick building containing seven suites of two rooms each and eleven single rooms for women. It is modern in every respect. A matron is in charge.

#### ALUMNI GYMNASIUM

The Gymnasium was erected in 1911. It is a cement block building, 48 by 76 feet, with basement, main floor and gallery. It has baths, dressing rooms and lockers for both men and women.

#### HARNLY HALL

Harnly Hall, erected in 1922, is a fifty room, four story edifice, 128 by 54 feet, built of reinforced concrete and brick. All of the science departments are housed in this commodious structure, as are also the departments of Fine Arts, of History, and the Museum.

#### THE LIBRARY

The Carnegie Library, erected in 1906, furnishes a convenient study hall for the students. It is a two-story building with reading rooms amply equipped for the needs of students. Dictionaries, encyclopedias, general reference work, bound and current magazines are so placed as to be readily available. Over one hundred current periodicals, covering a wide range of interest, may be found in the magazine rooms.

The Readers' Guide to Periodical Literature makes the leading magazine articles available for reference work, while the card catalogue indexes the books in the stack room. All books and much of the pamphlet material are classified by the Dewey Decimal System, which groups them according to subject matter. The Library is kept up-to-date by the addition of over five hundred books annually. Special care is taken by the instructors and Library

committee that these additions shall be the most recent authoritative works in the field.

The Library hours are from 8:00 A. M. to 9:30 P. M. every day except Saturday and Sunday, and from 10:00 A. M. to 12:30 P. M. and 1:30 P. M. to 3:30 P. M. on Saturday.

### THE MUSEUM

McPherson College possesses one of the best college museums to be found in the middle west. Many friends of the institution have contributed or loaned specimens. The collections include rare and valuable fossils, Indian relics, birds and bird eggs, and one of the largest collections of meteorites in the West, besides a very large number of historic relics and souvenirs.

The museum is located on the fourth floor of Harnly Hall.

Persons who know of specimens which should be preserved in such an institution should communicate with Dr. H. J. Harnly, curator.

### LABORATORIES

#### AGRICULTURE

The laboratory is equipped to give courses in Soils, Dairying, Farm Mechanics, and Farm Crops. The following rather expensive pieces of equipment are to be found: soils shakers for mechanical analysis, Babcock tester, gasoline engine, cream separators, incubators, electric oven, seed tester, dynamometer, colormeter, soil tubes, great quantities of glass ware, and numerous other smaller items, such as must be found in a modern laboratory.

#### BIOLOGY

The material equipment consists of modern microscopes, projection microscopes, stereopticon, balopticon, microtome, paraffine baths, electric incubator and sterilizer, and other general apparatus, microscopic and lantern slides, latest maps and charts, collections of birds, mammals, and insects for systematic study, herbarium, etc.

There is a good collection of lepidoptera and coleoptera, besides a general collection of insects for class work in classification. In Botany there are herbarium, slides, and other necessary things for efficient laboratory work. McPherson County is rich in flora and fauna, since in it there are four or five geologic formations. The basin area is especially rich in protozoa, while two rivers and several running streams and many springs are rich in cryptogams and lower animal forms.

The department has a good reference library.

### CHEMISTRY

The Department of Chemistry occupies the first floor of Harnly Hall, which is a modern fire proof building designed after most approved models of the best scientific buildings in the country. This floor contains a lecture room with a raised floor, seating one hundred and fifty students; a laboratory for general and qualitative analysis, with individual desks for 112 students; an advanced laboratory with desks for 66 students to work individually, and room for desks for 20 students to be added later; a store room; a large stock room; a private laboratory; an office; and a balance room. All the laboratories are equipped with hoods with forced drafts, water, gas, air under pressure, and duplex plugs with push connections in all the hoods and in each table of the advanced laboratory for electrical experiments. The laboratories are equipped with all necessary apparatus for the courses offered.

### GEOLOGY

The department possesses a complete set of crystal models imported from Germany, 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.

### HOME ECONOMICS

The department is equipped with all the necessary apparatus for general class and laboratory work.

The courses of instruction given in this department are planned to meet the needs of those who desire a knowledge of the general principles and facts of Home Economics and those who wish to major in Home Economics for the purpose of teaching the subject in secondary schools.

#### MANUAL ARTS AND INDUSTRIAL EDUCATION

The Industrial Education Shops occupy six rooms of the basement of Fahnestock Hall. The Manual Training Bench room is equipped with benches, tools, and locker systems that accomodate fifteen students in a class. The machine room contains a variety of machines such as a band saw, universal circular saw, hollow chisel mortiser, a jointer, two turning lathes, a motor driven grinder, drill press and two mechanical sanders. The general tool room contains all of the various types of special tools that have been found necessary for general cabinet work. The drafting room is equipped with six regular drawing tables and with necessary drawing board racks, and lockers. A special dark room fitted for producing blue prints electrically is part of the drawing room equipment.

The lumber room contains at all times a fine assortment of kiln dried lumber for cabinet making purposes. In connection with the shops a store is maintained that carries a complete stock of all regular and special hardware that is needed in this type of work. A wide variety of finishes is kept in stock at all times enabling the student to do nearly any type of finish desired. A special fireproof booth fitted with an exhaust system and equipped with the latest type of lacquer spraying apparatus is maintained in connection with the finishing room. Much effort is made to keep at hand everything that is ordinarily needed in any phase of Manual Training. Special equipment is maintained for teaching the course in Home Mechanics.

#### PHYSICS

All necessary apparatus is at hand to give prop-

erly courses in Physics. An engineers' transit of modern make and accurate construction is a part of the equipment for surveying work. The laboratory is also equipped with an excellent 4-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 a much more intensive study of the heavens.

## COLLEGE ACTIVITIES

### GOVERNMENTAL

The Student Council, composed of two members from each college class, one from the fine arts department, and two from the faculty, is in charge of all student activities of the College.

### RELIGIOUS

The Y. M. C. A. and the Y. W. C. A.<sup>c</sup> provide opportunities for expression of the religious interests of the students. They hold regular religious meetings and conduct the student prayer meetings.

The World Service Group is composed of those students who plan to enter or have a particular interest in fostering religious work.

### LITERARY AND SCIENTIFIC

The Forensic Club offers opportunity for development in debate and oratory. In addition, membership in the Kansas Intercollegiate Debating League, the Kansas Intercollegiate Oratorical Association, the Intercollegiate Peace Association and the Intercollegiate Anti-Tobacco Association brings to McPherson students many opportunities to meet debaters and orators from other colleges of the state in forensic activities of high character. In oratory, prizes amounting to fifteen dollars are offered annually. Substantial prizes are offered to state winners in the several oratorical contests. The Thespian Club studies and presents a few dramas each year. Membership is obtained by try-out. The Chemistry Club furthers the interests of students in chemistry.

## MUSICAL

The Music Club is a study club organized among the students and townspeople. The Men's Glee Club and the Women's Glee Club are organized for the purpose of producing musical compositions of worth. A chapel orchestra, under the direction of the teacher of violin, gives amateur musicians an opportunity to study and present good musical compositions.

## PUBLICATIONS

The College Bulletin, designed to keep patrons and prospective students in touch with the College, is published in February, May, August and November of each year. The February number is the catalogue. The Spectator, a weekly newspaper, and the Quadrangle, an illustrated yearbook, are published by the Student Council. The Alumni Association is now issuing an alumni magazine.

## ATHLETICS AND PHYSICAL TRAINING

All athletic interests of the College are under the supervision of a committee composed of four members from the faculty, one from the Board of Trustees, one from the Alumni Association, and one student, with the physical director as an advisory member.

By means of the gymnasium, an athletic field, and a number of tennis courts the College is prepared to give helpful physical training. All freshmen are required to enroll in a regularly organized physical training class. In addition, students are encouraged to develop their physical skill by participating in various sports during the school year: football, basketball, volley ball, tennis, baseball, track and field athletics. Those who excel in any sport are privileged to represent the College in intercollegiate contests. Faculty regulations prevent all participation in intercollegiate games on the part of students deficient in their school work or in honor points.

The Women's Athletic Association sponsors an

intra-mural athletic program for the women of the College. Membership is open to all women students.

#### LIMITATIONS OF COLLEGE ACTIVITIES

In order to obviate the hardship incident to the holding by the student of several offices at the same time, the faculty has made the following groups, indicating the number of such honors which one student may receive.

##### *Group 1*

President World Service Group.  
 President Y. W. C. A.  
 President Y. M. C. A.  
 President Student Council.  
 Business Manager the Spectator.  
 Editor the Spectator.  
 Editor the Quadrangle.  
 Business Manager of Quadrangle.  
 Senior Class President

##### *Group 2*

Associate Editor the Spectator.  
 Treasurer Student Council.  
 Y. M. C. A. Cabinet members.  
 Y. W. C. A. Cabinet members.  
 President Forensic clubs or musical organizations.  
 Student assistants.  
 Member College Quartette.  
 Under class Presidents.  
 Member Varsity Athletic Teams.  
 Debaters who receive no academic credit.

##### *Group 3*

Members Student Council.  
 Gospel Team worker.  
 Minister doing active outside work.  
 Participants in oratorical contests.  
 Athletic Association.

##### *Rules*

1. No student may hold more than one position in group 1.



2. A student holding a position in group 1 may also hold one position in group 2 and one position in group 3.

3. A student holding one position in group 1 may also hold two positions in group 3, in case he does not also hold a position in group 2.

4. A student may hold two positions in group 2 and one in group 3, or three in group 3 and one in group 2.

5. It is suggested that so far as possible officers do not succeed themselves.

6. Special arrangements may be made for all athletes not on varsity teams, for students who are working for self-support and for members of senior play cast.

7. The faculty committee on the Student Activities shall enforce these rules.

### THE ALUMNI ASSOCIATION

The Alumni Association of McPherson College is composed of all persons who have received diplomas from any department of McPherson College. At the present time it numbers about 1,600. The purpose of the Association is to bind closer together those that were at one time members of the school, but are now engaged in the active duties of life. The Association attempts as far as possible to keep the addresses of all members, and several times during the year to inform all concerning the activities of the College. The affairs of the Association are conducted by an executive board composed of fifteen members. The Association has representation on the Board of Trustees.

### EXTENSION DEPARTMENT

McPherson College is ready to be of service in a larger way to high schools, to communities, and to churches. We are prepared to assist in teachers' institutes, parent-teachers' associations, lecture courses

es, entertainments, and in preaching. All those interested in securing the help of college representatives will please address the president of McPherson College.

### RULES OF CONDUCT

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.

The use of tobacco in any form on College grounds or in College buildings is forbidden, as are also dancing, gambling and the existence of secret societies. Card playing, even tho so widely practiced, we believe to be a wasteful, dangerous habit and strongly discourage the practice.

The college reserves the right of asking students whose lack of application or deportment is such as to make their stay in college inadvisable to withdraw without assigning specific reasons for such dismissal.

Students are expected to attend Sunday School and preaching services each Sunday.

Students who wish to arrange for socials, class-parties or gatherings of any kind should first obtain permission from the social committee, and provide a chaperon acceptable to the committee.

By order of the Board of Trustees, the official study hours are as follows: 8:00 A. M. to 12:30 P. M., 1:30 to 4:30 P. M., 7:30 to 10:00 P. M. Students should retire not later than 10:30 P. M.

Girls who wish to be away from their study after 7:30 P. M., during the school week are required to obtain permission from the Dean of Women. Similar permission must be secured for all out-of-town trips.

All out of town students are required to room in the dormitories, unless permission to room outside is granted by the Management of the College. In no case will woman students be permitted to room

where satisfactory arrangements for a house mother 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 home. Families wishing to take students as roomers or boarders must arrange with the college management 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 discipline of their children. A student will do better work if not furnished with too much money.

#### MISCELLANEOUS INFORMATION

Visitors are always welcome. Guests of the institution should report at the business office so that entertainment may be provided.

All students of the freshman and sophomore classes of the College are assigned to members of the faculty who act as their advisers. Junior and senior college students choose as advisers the teachers of their respective major subjects.

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.

Students representing the College on Deputation teams will first be approved by the Committee on Religious Life.

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.

All articles necessary for the student's comfort except such as are listed in the expense items will be furnished by the student himself. The student should bring quilts, comforts, blankets, sheets, pillows, pillow cases, napkins, rugs, etc.

## FELLOWSHIPS AND SCHOLARSHIPS

### THE KANSAS UNIVERSITY FELLOWSHIP

Kansas University offers annually a fellowship valued at \$400.00 to a member of the Senior class of McPherson College. The candidate is chosen by the faculty and is recommended to the University for election. Nomination is based upon natural ability, scholarship, character and at least two years of residence work in the college.

### UNIVERSITY FELLOWSHIPS

The leading Universities offer annually fellowships which vary in value from \$300.00 to \$600.00. Members of the Senior class possessing proper qualifications may be recommended for these fellowships.

### BETHANY BIBLICAL SEMINARY SCHOLARSHIPS

Bethany Bible School of Chicago, Illinois, offers annually three scholarships to members of the Senior class. These scholarships carry stipends, one of \$200.00, one of \$100.00 and one of \$50.00.

### HONOR GRADUATE SCHOLARSHIPS

McPherson College offers annually a limited number of scholarships to honor graduates of high schools. Application blanks may be secured upon request.

## LOAN FUNDS

### THE E. B. HOFF LOAN FUND

The late Elder E. B. Hoff and Mrs. E. B. Hoff who now reside at Chicago, Illinois, provided this fund to assist young men and women in McPherson

College who are preparing for a life of service in distinctive church work.

#### DELLA HOERNER LOAN FUND

Miss Della Hoerner of McPherson has started a loan fund which she promises to increase that will be available for needy girls as a rotary loan fund.

#### LYDIA EVANS LOAN FUND

Mrs. Lydia Evans of Kearney, Nebraska, has provided a fund whereby financial assistance may be secured by students who are able to meet the requirements of this fund.

#### ELIZABETH KEENER FUND

Mrs. Elizabeth Keener of Hoisington, Kansas, has contributed to a rotary loan fund to help some worthy young woman with school expenses.

#### SARAH W. HARNLY FUND

Mrs. Sarah W. Harnly, of McPherson has established a loan fund, to be loaned as a rotary fund for some worthy girl.

#### STUDENT'S ROTARY LOAN FUND

The General Educational Board of the Church of the Brethren maintains a fund for the benefit of members of the Church of the Brethren. Through this fund worthy students may secure assistance to the amount of \$100.00 a year at very reasonable terms. Applications for a loan from this fund must be made through and be approved by the officials of McPherson College.

The Kansas Federation of Women's Clubs, The P. E. O. Sisterhood, as well as the local civic organizations of the city of McPherson offer to worthy students loans which may be obtained on reasonable terms.

A limited number of scholarships are granted by McPherson College to students who are preparing definitely for the ministry or for work in the mission fields.

Special terms are given to children of active pastors of the Church of the Brethren within the districts supporting McPherson College.

### SEMESTER EXPENSES

College Tuition.. . . .	\$5 per semester hour
Board and Room in Dormitory, a semester	\$81

### TERMS OF PAYMENT

Board and room, and laboratory fees are quoted on a semester basis. Tuition and all fees are fixed with the understanding that they be paid at the time of enrollment. In special cases where cash in full is not readily available part settlement may be made with a short term note bearing 8% interest. Week rates for Board and Room will be 20% above semester rates. Satisfactory settlement of all accounts must be made before the student is enrolled for class work.

A contingent fee of \$5.00 is charged each student rooming in the dormitories. At the end of the school year, after charges are deducted for any unnecessary damage to the room or furniture and for excessive use of electricity, the balance will be refunded.

Students who present a receipt indicating registration and payment of fee of \$5.00 prior to July 1 will receive credit for this fee and an additional discount of \$5.00 on settlement of account following enrollment in September. This applies only to new students who enroll for a minimum of 15 semester hours.

Students may reserve rooms in the dormitories in advance of the opening date by depositing a fee of \$3.00. Credit will be given on room rent for this amount at the time of enrollment. The fee will be refunded if the student does not enroll, provided he notifies the school at least one month before the opening of school.

Because of possible fluctuations in prices the management reserves the right, if necessary, to change above prices during the year.

## SEMESTER LABORATORY FEES

Astronomy	\$ .50
Advanced Cabinet Making	1.50
Biology, any laboratory course	2.00
Clothing, I, II, III	1.50
Costume Design	.25
Dietetics	4.00
Dramatic Arts	2.00
Foods I or II	4.00
House Planning	.25
Home Economics, Men	1.75
Ornamental Gardening	1.00
Physical Education, 1, 2, 3, 4	1.00
Physica	3.00
Woodwork I, a semester hour	1.00
Woodwork II, a semester hour	1.50
First Aid and Massage	1.00
Chemistry Breakage Fee	2.00
Health Fee, per semester	.50
Contingent Fee, Dormitory, etc.	5.00

## SPECIAL FEES

Application, Elementary State Certificate	\$ 2.00 <sup>1</sup>
Chemistry Breakage Deposit	2.00
Graduation Fee	10.00
Key Deposit, Dormitory Students	5.00
Late Registration	1.00
Special Examination	1.00
Transcript of Credits, Duplicate Copies	1.00
Typewriting	5.00

## THE COLLEGE

### REQUIREMENTS FOR ENTRANCE

The total requirements for admission shall be 15 units, 6 of which shall be chosen from groups I to IV, as indicated below. The remaining 9 units may be chosen from the subjects outlined in the six groups.

All entrance conditions must be satisfied during the freshman year if the student is to be catalogued as a sophomore.

Group I.—English: Minimum, 3 units.

Group II.—Mathematics: Minimum, 1 unit.

When the minimum requirement only is presented it shall be Elementary Algebra, 1 unit.

Group III.—Science: Minimum, 1 unit. General Science, 1 unit; Botany, 1 unit; Zoology, 1 unit; Entomology, 1-2 unit; Physics, 1 unit; Biology, 1 unit; Chemistry, 1 unit.

Group IV.—History and Social Science: Minimum, 1 unit. Ancient and Medieval History, 1 unit; Modern History, 1 unit; American History, 1 unit; Civics, 1 unit.

The order in which the History shall be taught is that outlined in the manual of the State Board of Education.

Group V.—Foreign Languages: Minimum, none.

Group VI.—Miscellaneous: Maximum, 5 units. Agriculture, 3 units; Commerce, (maximum, 3 units) including Bookkeeping, 1-2 or 1 unit; Commercial Law, 1-2 unit; Stenography, 1 unit; Typewriting, 1 unit; Domestic Science, 1 unit; Domestic Art, 1 unit; Music, 2 units; Drawing, 1 unit; Manual Training, 2 units; Methods and Management, 1-2 unit; Psychology, 1-2 unit; Commercial Geography, 1-2 unit; Bible, 2 units.



## REQUIREMENTS FOR GRADUATION

### RESIDENCE REQUIREMENTS

In order to qualify as a candidate for a college degree a student must spend a minimum of one year of residence in McPherson College. The standard set by the State Department of Education for Kansas Colleges requires that twenty-four of the last thirty hours or fifty out of the last sixty hours necessary to complete work for a degree be completed in residence in the college issuing the degree.

### JUNIOR-SENIOR REQUIREMENT

Graduates of Kansas colleges must complete a minimum of forty hours in Junior-Senior courses. Junior-Senior courses include all courses in the catalogue and schedule numbered from 100-199 inclusive. It is also obligatory that the candidate for graduation submit a minimum of ten hours of Junior-Senior courses from his major department.

### MAJOR REQUIREMENT

At the beginning of the junior year, each student is required to select as his major subject the work of some one department in the college, and, in consultation with the head of this department, to determine the manner and order in which the work of the major subject shall be completed.

A minimum of 24 hours shall be required in a department for a major. Beyond the major and the requirement in each of the three divisions, additional courses and divisional stipulations may be made in terms of the individual needs and interests of the student. The student's counselor, the major professor, the curriculum committee and the dean are all available to give the individual student guidance in the selection, development, balance, and execution of his program of study. Building a curriculum is definitely a problem for individual attention and each student is urged to give very careful consideration to his part of this procedure. Each faculty member is

available to give guidance and counsel in the solving of student curricular problems.

### GROUP REQUIREMENTS

The curriculum is grouped into three divisions as follows:

- I. The Natural Sciences.
- II. The Social Sciences.
- III. Languages, Literature, Arts.

The departments are listed herewith as they classify in each of the divisions. The general requirement in each of the divisions is indicated in connection with the outline of departments and courses in the Natural Sciences, Social Sciences, and Languages, Literature, Arts. The asterisks indicate departments offering majors.

I. THE NATURAL SCIENCES—17 hours of required work, two of which must be Physical Education.

- |                 |                     |
|-----------------|---------------------|
| *Biology        | *Physical Education |
| *Chemistry      | *Physics            |
| *Home Economics | Agriculture         |
| *Mathematics    | Geology             |

II. THE SOCIAL SCIENCES—15 hours required.

- |                                |                          |
|--------------------------------|--------------------------|
| *Commerce                      | *Industrial Education    |
| *Education and Psychology      | *Philosophy and Religion |
| *History and Political Science | Library Science          |
|                                | Sociology                |

III. LANGUAGES, LITERATURE, ARTS—15 hours required, six of which must be English I and II.

- |            |        |
|------------|--------|
| *English   | French |
| *Fine Arts | German |
| *Latin     | Speech |

### STUDENT LOAD, EXTRA HOURS, SPECIAL COURSES

The average student load is fifteen hours a semester. Only the exceptional student should take

more. The maximum for freshmen is sixteen hours. All students are limited to seventeen hours except by special permission from the Committee on Curriculum and Classification.

Requests for (a) extra hours, (b) special or additional credit for courses taken under the personal direction of an instructor, and (c) offering of courses not catalogued, must be approved by the Committee on Curriculum and Classification, and if they deem it necessary, by the faculty. Under no circumstances will the Committee feel obligated to allow credit or recognize work taken under any other arrangement.

#### STUDENT CLASSIFICATION

In order to classify as a sophomore the student must present twenty-four hours of academic credit at the beginning of the year; as a junior, fifty-four hours; and a senior, eighty-four hours. All students must keep their first semester classification throughout the year except those juniors who will be candidates for graduation at the end of the summer session.

#### DEGREES

The courses of study lead to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Science in Commerce, and Bachelor of Music.

#### BACHELOR OF ARTS

In order to qualify for the Bachelor of Arts degree the student must submit a total of one hundred twenty-two semester hours credit including two semester hours of physical education, and a total of 122 honor points earned in accordance with the honor point system. A semester hour consists of one hour of recitation work or two (or three) hours of laboratory work a week for a period of eighteen weeks.

## BACHELOR OF SCIENCE

The requirements for the degree Bachelor of Science are the same as the Bachelor of Arts except in the following particulars:

(a) Foreign language is not required but some modern language is advised.

(b) A major must be submitted in natural science, home economics, manual arts, or agriculture.

## BACHELOR OF SCIENCE IN EDUCATION

The Bachelor of Science in Education presumes a major in Education including methods, theory, and practice in teaching. Foreign language is not required but otherwise the requirements are the same as for the Arts degree.

## BACHELOR OF SCIENCE IN COMMERCE

The Bachelor of Science in Commerce differs from the Arts degree in that foreign language is not required and credit is allowed in stenography, typing, and office practice.

## BACHELOR OF MUSIC

Descriptive requirements for the degree Bachelor of Music will be found in connection with the Department of Fine Arts.

## SUGGESTIVE GENERAL JUNIOR COLLEGE COURSE

### FRESHMAN YEAR

SEMESTER I	hrs.	SEMESTER II	hrs.
Rhetoric	3	Rhetoric	3
Math. or For. Lang.	3	Math. or For. Lang.	3
Chem. or Biol.	3-5	Chem. or Biol.	3-5
Psychology or Physiology	3	Psychol. or Physiol.	3
Orientation	1	Physical Education	1
Phy. Education	1		
Electives		Electives	
Agriculture		Agriculture	
Commerce		Commerce	
Religion		Religion	
Manual Training		Manual Training	
Music		Music	
Home Economics		Home Economics	
History or Social Science		History or Social Science	

### SOPHOMORE YEAR

English Literature	3	English Literature	3
Religion	2	Religion	2
European History	2	European History	2
Electives		Electives	
Science		Science	
Commerce		Commerce	
Methods		Management	
Speech		Speech	
For. Language		For. Language	
Home Economics		Home Economics	
Music		Music	
Agriculture		Agriculture	
Mathematics		Mathematics	
Manual Training		Manual Training	
		Hygiene and Sanitation	

## SUGGESTIVE PRE-MEDICAL COURSE

## FRESHMAN YEAR

SEMESTER I		SEMESTER II	
	hrs		hrs
Rhetoric	3	Rhetoric	3
Mathematics I	3	Mathematics II	3
Chemistry I	5	Chemistry II	5
Biology	3	Biology	3
Orientation	1	Psychology or History	3
Phy Education	1	Phy Education <sup>2</sup>	1

## SOPHOMORE YEAR

Physics	5	Physics <sup>1</sup>	5
French or German	3	French or German	3
Organic Chem.	5	Organic Chem	5
Comparative Anatomy	3	Comparative Anatomy	3

The following additional courses are suggested:

Psychology	Latin
History	Quantitative Analysis
Economics	Sociology
	Histology

## SUGGESTIVE PRE-ENGINEERING COURSE

## FRESHMAN YEAR

Rhetoric	3	Rhetoric	3
Mathematics	3	Mathematics	3 or 6
Chemistry I	5	Chemistry II	5
Mechanical Drawing	2	Machine Drawing	2
Wood Work	2	Wood Work	2
Physical Education	1	Physical Education	1

## SOPHOMORE YEAR

Physics	5	Physics	5
Mathematics	3 or 4	Mathematics	3 or 6
French or German	3	French or German	3
Quant Analysis	4	Quant. Analysis	3

## SCALE OF GRADING

The letter "A" indicates high honor and is reserved for very distinguished work.

The letter "B" indicates very good work of much more than average quality.

The letter "C" indicates that the work has been of good average quality.

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

The letter "I" indicates that work is incomplete.

The letter "F" indicates failure.

"WP"—Withdrawn Passing.

"WF"—Withdrawn Failing

A grade of "I" may be changed to a passing grade by completing the incomplete work to the satisfaction of the teacher. An extra examination or extra work may be required by the teacher for a passing grade. A grade "F" may be removed only by reenrolling in the course. A fee of one dollar is charged for all extra examinations. This fee is to be paid in the Business Office.

## GRADE POINT SYSTEM

The following grade point system has been adopted.

Grade "A" carries three grade points for each hour of credit.

Grade "B" carries two grade points for each hour of credit.

Grade "C" carries one grade point for each hour of credit.

Grade "D" carries no grade points.

Candidates for a degree must have as many grade points as credit hours required for graduation. Viz. 122.

Unless special provision is made through the Dean's office, students are expected to attend classes regularly. Absence from class affects the grade of the student in the course in which the absence occurs.

### HONOR STUDENTS

To be eligible for the honor roll, students must earn a minimum of forty honor points during the previous semester. A list of honor 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 percent of C grades are cited for honorable mention.

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 recommended for the honor roll.

All students whose college record shows a minimum of eighty per cent of A grades and no grade below B shall be graduated with highest honor.

### STATE TEACHERS' CERTIFICATES

McPherson College fulfills the requirements of the laws of Kansas and the State Board of Education for the certification of teachers. Any graduate of the Arts or Science course who shall have met the minimum state requirement of eighteen hours of Education, including three hours of General Psychology, three hours of School Administration, three hours of Educational Psychology and three hours of Supervised Observation and Teaching, may receive



the three year renewable state teacher's certificate. This certificate is valid in any high school or elementary school in the state. At the completion of two years of successful teaching before the expiration of the certificate, the holder of the certificate may have it renewed for life. This renewal may be obtained by application to the State Board of Education.

Graduates of any approved four-year high school who complete two years' work at McPherson College and include in the two years the professional branches required by the State Board of Education, namely, three hours of General Psychology, three hours of Methods in Education, three hours of School Management and three hours of Supervised Observation and Teaching, are entitled to a three-year certificate without examination. This certificate is valid in any elementary school and will be renewed at expiration for a three-year period provided the holder has been successfully and continuously engaged in teaching during the period the certificate is valid; or upon presentation of eight semester hours of college credit secured subsequent to the date the certificate was issued.

#### SYSTEM OF NUMBERING COURSES

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

(a) Courses open to Freshmen and Sophomores are numbered 1-99 inclusive.

(b) Courses open to Juniors and Seniors are numbered 100-199 inclusive.

(c) Odd numbers indicate first semester courses.

(d) Even numbers indicate second semester courses.

# THE DIVISION OF THE NATURAL SCIENCES

## FACULTY

Melvin J. Binford, B. S.	J. Willard Bershey, Ph. D.
Joseph L. Bowman, M. S.	Helan Meltrath, A. M.
Henry Jacob Harnly, Ph. D.	Robert Ellsworth Mahler, M. S.
	Audrey Groves.

## OBJECTIVES OF THE DIVISION OF THE NATURAL SCIENCES

To provide the cultural values that a knowledge of natural sciences should give to the liberal arts student.

To meet the preliminary requirements for those persons who wish to fit themselves for work in the applied sciences, such as, Medicine, Home Economics, Agriculture, Engineering, Pharmacy, and Industrial Work.

To get such a comprehension of the field of natural sciences that the student will be in a position to do graduate work in the field, or to teach in the elementary and secondary schools.

To bring to each student the best possible state of vigorous health as a basis for successful living.

## THE DEPARTMENT OF BIOLOGY

### 1-2. BIOLOGY.

A general course designed to acquaint the student with the fundamental principles of biology and to illustrate these principles both from the standpoint of plant and animal life. Two recitations and one laboratory period each week. Three hours.

### 16. ENTOMOLOGY.

A study of the structure, distribution, habits and economic importance of the various groups of insects, and their relationships to each other and to

plants. A field, laboratory and lecture course. Prerequisites: Biology 1 and 2 or equivalent. Three hours.

#### 50. ORNAMENTAL GARDENING.

A study of the principles, materials, and practices of ornamentation of the home grounds, together with a study of civic improvements. Lectures, assigned readings, and laboratory work. Three hours.

#### 41. SYSTEMATIC BOTANY.

Collecting, preserving, and classifying the local flora. Individual work with conferences. Prerequisite: Biology 1 and 2. Three hours.

#### 51. PHYSIOLOGY.

A cultural and practical study of the human body, its anatomy, histology, physiology, and hygiene. Two class hours and two laboratory hours a week. Three hours.

#### 60. PERSONAL HYGIENE.

A very practical course for all who desire a knowledge of the laws of health as they pertain to the individual and the public. The hygiene of the sex aspect of life will receive special attention. Two hours.

#### 105. INVERTEBRATE ZOOLOGY.

A comparative study of the invertebrate phyla. Notes on their life history, distribution, and relationships. Prerequisite: Biology 1 and 2 or equivalent. Three hours.

#### 110. BACTERIOLOGY.

A general course in bacteriology. Preparation and use of media and stains. Special attention is given to those forms causing disease in man and lower animals, and to immunity from the same. Prerequisite: Twelve hours Biology. Three hours.

#### 141-142. COMPARATIVE ANATOMY.

A comparative study of vertebrate anatomy. Dissections of the various types and a consideration

of the problems of adaptation. Special emphasis upon the structure of mammals. Prerequisite: Biology, 1 and 2. Three hours.

#### 161-162. HISTOLOGY.

The physiological histology of man and mammalian animals, based upon texts and drawings and written descriptions of fifty slides. A laboratory course. Three hours.

#### 163. PLANT ANATOMY.

This is a course combining microtechnique with plant anatomy. The student prepares his own sections, receiving instruction in sectioning, mounting and staining of specimens. Prerequisite: Biology 1 and 2. Three hours.

#### 166. PLANT PHYSIOLOGY.

The root system, wilting point, growth resistance, transpiration ration, water requirements, photosynthesis, respiration, digestion and assimilation of the plant. Prerequisite: Six hours Biology or Botany. Three hours.

#### 183. GENETICS.

A study of heredity, variation, inheritance of acquired characters, Mendelism, mutation, sexlinked, sex limited, and secondary sexual characters. Special attention is given to the laws of heredity as applied to man. Prerequisite: Biology 1 and 2, or equivalent. Three hours.

#### 184. BIONOMICS.

A lecture and reading course, with class discussions, in the study of life, with special reference to ecological development and historic problems. A candid examination of the facts of life, including the theories of evolution and their relation to religious thought. Three hours.

#### 190. PROBLEMS IN BIOLOGY.

Two or more hours credit. Prerequisite: Twenty hours of Biology. By appointment.

## THE DEPARTMENT OF CHEMISTRY

## 1-2. INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS.

This course is a prerequisite to all other courses in Chemistry. Most of the time the second semester is devoted to qualitative analysis. Five hours credit will be given those who cannot continue or do not need the second semester of Chemistry. Lectures and quizzes, three hours; four hours laboratory work. Five hours.

## 41-42. ORGANIC CHEMISTRY AND FOOD ANALYSIS.

These courses are designed as general organic chemistry and food analysis. The last ten weeks are devoted to food analysis, which includes class and laboratory work on plant and animal products. Class work, three hours; four hours laboratory. Five hours.

## 105-106. QUANTITATIVE ANALYSIS.

These courses are chiefly laboratory work in volumetric and gravimetric determinations. Such lectures as are desirable will be given. Accuracy and speed are insisted upon. Laboratory, six or ten hours a week; Three or Five hours.

## 131-132. ADVANCED ORGANIC PREPARATIONS.

Prerequisite: Chemistry 41 and 42. Laboratory, eight hours throughout the year. Four hours. Alternate years; given 1934-1935.

## 151. HISTORICAL CHEMISTRY.

Prerequisite: two years chemistry. Two hours. Alternate years; given 1933-1934.

## 160. PHYSICAL CHEMISTRY.

A general course in physical and theoretical chemistry. Lectures and quizzes, three hours a week. Laboratory, two hours. Prerequisite: Physics and two years chemistry. Four hours. Alternate years; given 1933-1934.

## 165. AGRICULTURAL CHEMISTRY.

Analytical Chemistry applied to analysis of farm

products, etc., such as grains, fertilizers, soils, dairy products, water, etc. Prerequisite: Chemistry 105. Laboratory seven or eleven hours a week. Three or five hours.

## THE DEPARTMENT OF HOME ECONOMICS

### 8-9. CLOTHING I AND II.

A study of clothing needs and an application of the fundamental processes of clothing construction. Three hours.

### 11. HOUSE PLANNING AND FURNISHING.

A study of household architecture, period and modern furniture, and planning of houses. Three hours.

### 16. FOODS I.

A study of food legislation and of recent scientific investigation of foods; also an economic study of food stuffs; and the nutritional value of common foods. Prerequisite: Inorganic Chemistry, 5 hours. Four hours.

### 17. FOODS II

A study of the food needs of the family group. Meal planning and table service are carried throughout the entire course. Prerequisite: Foods I. Four hours.

### 21. COSTUME DESIGN

A study of the principles of design and color with varied applications. Costumes for various occasions are designed for each individual based on art principles. Three hours.

### 30. HOME ECONOMICS FOR MEN.

A study of nutrition for the individual, preparation of simple food and camp cooking; its service and the correct table etiquette; social customs; selection and care of clothing; household management, family welfare; and the correct furnishings for house and office. Two hours. Alternate years; given 1933-1934.

## 101. HOUSEHOLD MANAGEMENT.

A study of the principles of the scientific management of the home, budget making, social, civic and economic duties and responsibilities of the home-maker. Prerequisites: Foods and Clothing I. Two hours. Alternate years; given 1933-1934.

## 118. CHILD WELFARE.

A study of the various aspects of child care, such as physical and mental development, child hygiene, child labor, and recreation. Three hours.

## 120. HOME NURSING.

The hygiene of the sick room, the nature and treatment of some of the common diseases, and first aid measures. Prerequisite: Foods I and Physiology. Two hours. Alternate years; given 1934-1935.

## 125. CLOTHING III.

This course gives practical experience in the use of commercial patterns and the fitting of garments. Special problems in selection are considered. Prerequisite: Clothing I and II. Two hours.

## 140. NUTRITION AND DIETETICS.

A study of the body's food needs under normal and abnormal conditions with particular emphasis on normal nutrition. Prerequisite: Foods I and II, Physiology and Chemistry. Five hours.

## 162. SPECIAL METHODS IN HOME ECONOMICS.

A survey of Home Economics in the various types of schools as an application for general methods of instruction to this special field. The course includes planning of courses of study and a study of equipment. Three hours. Alternate years; given 1934-1935.

## THE DEPARTMENT OF MATHEMATICS

## 3. ALGEBRA I.

A rapid review of high school algebra and a study of factoring, fractions, exponents, simultaneous equations and logarithms. Three hours.

**5. TRIGONOMETRY.**

Methods of measuring distances by the use of angles. Solving triangles, identities, inverse functions, and trigonometric equations. Prerequisite, one and one-half years of high school algebra. Three hours.

**6. ALGEBRA II.**

Quadratic equations, proportion, progressions, determinants, interest and annuities. Prerequisite, Algebra I or advanced algebra in high school. Three hours.

**8. ANALYTIC GEOMETRY.**

Coordinate systems, functions and graphs, loci, projections and conics. Prerequisite, college algebra and trigonometry. Three hours.

**101-102. CALCULUS.**

Differentiation of elementary functions, maxima and minima, problems involving areas, lengths, surfaces and volumes treated by the processes of integration. Integration by parts. Four hours, through the year. Prerequisite, analytic geometry.

**125. THEORETICAL MECHANICS.**

Conditions of equilibrium, non-current forces, center of gravity, moments of inertia, work, energy and power. Prerequisite, Calculus. Three hours.

## THE DEPARTMENT OF PHYSICAL EDUCATION REQUIRED WORK

No college degree will be granted until two semesters' work in physical training has been completed. Each student is given a physical examination upon entrance, and no student is excused from required work except upon the recommendation of a physician and the head of the department.

**INDOOR FACILITIES**

The gymnasium has a main floor 40 by 70 feet on which to play intra-mural contests. Intercollegi-



ate games are played on a 50x94 foot court in the McPherson Community Building.

### OUTDOOR FACILITIES

An athletic field joins the campus which provides a practice football field, a quarter mile track with a 220-yard straightaway and ample room for intramural games, such as soccer football, playground ball, and speed ball. To the west of the campus are located four tennis courts.

### GYMNASIUM COSTUME FOR MEN

White gymnasium shirt, white trunk, and rubber-soled shoes, which may be purchased at a very reasonable price.

### GYMNASIUM COSTUME FOR WOMEN

A regulation gymnasium costume is used by all women in physical education. It is desirable that all women leave the purchasing of this costume until after registration in college in order that the type of costume may be uniform as agreed upon by the director in charge.

### 1-2. ELEMENTARY PHYSICAL EDUCATION.

Required of all Freshmen. This course is of body building nature and consists of free exercises, marching tactics, tumbling, mass athletics, intra-mural games, and physical efficiency tests. One hour each semester.

### 3-4. ADVANCED PHYSICAL EDUCATION.

Intra-mural contests in basketball, volley ball, soccer, speed ball, play ground ball, tennis and track and field athletics will be played in their season. Not open to freshmen. Credit will be given on the basis of points earned. One hour each semester.

### 21. COACHING OF FOOTBALL.

A detailed study in the coaching of football to meet the needs of men who will be required to coach football in high school. The course will include a study of the rules, theory, fundamentals, equipment,

care and treatment of injuries, generalship, field tactics, and the systems of offensive and defensive football. Three hours.

#### 22. COACHING OF BASKETBALL.

A detailed study of the fundamentals of the game, systems of play, the selection of players, and training and equipment. Books by the leading coaches of the United States will form a basis for study and discussion. Three hours.

#### 23. TRACK AND FIELD ATHLETICS.

The rules and form for each track and field event will be considered, practiced and demonstrated. A study of the training and conditioning for each event will be given special emphasis. Two hours.

#### 58. PLAYGROUND MANAGEMENT AND GAMES.

Management and activities of the playground, history of the playground movement and the various theories of play. Types of games suitable for different age periods and methods of coaching and managing group contests. Two hours.

#### 101-102. FIRST AID AND MASSAGE.

Different forms of injuries and their temporary protection, dressing, bandaging, preparation of solutions and methods of massage will be considered along with actual practice on members of the varsity teams. Two hours. Course repeated second semester.

#### 105. PRINCIPLES OF PHYSICAL EDUCATION.

A course which clearly outlines the place of physical education in our modern educational scheme. The historic role, an analysis of the basic problems, the aims and objectives of physical education will make up a large part of the course. Three hours. Alternate years; given 1934-1935.

#### 112. ORGANIZATION AND ADMINISTRATION.

Discussions, reports, and investigations pertaining to the problems connected with a program of

physical education. Objectives of an ideal system, a study of state and national organizations, etc., will be given special attention. Three hours. Alternate years; given 1933-1934.

#### 121. PHYSIOLOGY OF EXERCISE.

Present knowledge of the mechanism of muscular activity and the effect of exercise on the tissues, systems, and organs of the body. Three hours. Alternate years; given 1933-1934.

#### 132. TEACHING METHODS IN PHYSICAL EDUCATION.

A course designed to provide the prospective teacher with correct methods of teaching physical education. The principles underlying the teaching of physical education and the selection and classifying of materials to be used will be considered. Two hours.

### THE DEPARTMENT OF PHYSICS

#### 5-6. GENERAL PHYSICS.

First semester, a study of the theory of sound and light, magnetism and electricity, motors, generators, electric machinery, radio broadcasting and receiving, and numerous practical problems. Second semester, a thorough study of force motion, energy, molecular motion and the measurements of heat. Three recitations and two laboratory periods per week. Students may enter at the beginning of either semester. Open to students who have taken algebra I or trigonometry. Five hours.

#### 20. RADIO.

Theory and operation of radio circuits and radio instruments, and television apparatus. Three hours.

#### 101. ADVANCED PHYSICS.

Advanced laboratory practice in mechanics, heat and light. Two laboratory periods per week. Prerequisite: Physics 5 and 6. Two hours.

#### 102. ADVANCED ELECTRICITY.

Advanced theory of electricity, direct current

and alternative current instruments and machinery, and practice in making accurate electrical measurements. Open to students who have had general physics and calculus. Four hours.

#### 109. MECHANICS.

Forces, centers of gravity, rectilinear motion, curvilinear motion, work, energy, power, moment of inertia and momentum. Prerequisite: Calculus II. Four hours.

#### 111. ATOMIC THEORY.

Theory of electrons, atoms, isotopes, ionization, X-rays, crystal structures, radioactivity, and the formation of spectra. Prerequisite: Physics 6. Two hours.

#### 112-113. ASTRONOMY.

The study of the size, composition and velocity of the sun, stars, nebulae, comets and double stars as determined by the spectrograph and interferometer. Two hours. Alternate years; given 1933-1934.

## AGRICULTURE

#### 6. FARM CROPS.

A scientific study of the field crops. Emphasis is placed upon the cereal crops of this region, methods of production, preparation of the seed bed, and methods of improvement. Three hours.

#### 9. SOILS.

A course designed to give the student a general insight into the subject of soils. The physical properties of soils and their relations to tillage and the preparation of the seed bed, soil texture, structure, moisture, heat, together with other phases of soil physics are given careful consideration. Three hours.

#### 15. ANIMAL HUSBANDRY.

A survey of the animal husbandry industry; study of breeds, pedigrees, judging and management. Three hours.

**110. FARM MANAGEMENT.**

The purpose of the course is to consider the farm as a business proposition. A survey is made of some of the more successful farms in the community with a view of determining labor incomes, methods of carrying on business, etc. Three hours.

**141-142. PROBLEMS IN AGRICULTURE.**

An advanced study of the problems of crops and soils. Students sufficiently advanced and capable of doing research work will be admitted into the course, by appointment. Two hours.

**GEOLOGY****102. GEOLOGY.**

A study of structural dynamic, physiographic, paleontologic, historic, and economic geology. Three hours.

## THE DIVISION OF THE SOCIAL SCIENCES

### FACULTY

John Alvin Blair, A. M.	Margaret Heckthorn, A. B.
Earl R. Bohling, A. M.	J. Hugh Heckman, B. D., A. M.
Maurine Stutzman, A. B.	Frederick A. Replegle, A. M.
J. Daniel Bright, Ph. D.	Vernon Franklin Schwalm, Ph. D.
Samuel Milton Dell, B. S.	

### OBJECTIVES OF THE DIVISION OF THE SOCIAL SCIENCES

To get the back drop on civilization.

To enlarge and enrich the specious present.

To weigh and widen viewpoints, analyze critically, and to handle social data skillfully.

To afford a practical and devotional interpretation of religion as an effective means to personal faith and life.

To develop skill commensurate with the ability of the individual.

To encourage adequate integration of the intellectual life.

To lay a foundation for the integrated education of those students who expect to pursue graduate work or for entry into vocations, success in which calls for a high degree of general culture.

To guide the total experience of the learner into the progressive achievement of personality.

### THE DEPARTMENT OF COMMERCE

#### 1-2. ELEMENTARY ECONOMICS.

The work of the first semester deals with general economic principles and lays a foundation for most courses in the field of business. The work of the sec-

and semester deals with an application of the principles to everyday economic problems. Some of the problems discussed are: banking, money, international trade, foreign exchange, transportation, wage problems, population and immigration, taxation and industrial unrest. Three hours.

#### 4-6. 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.

#### 10-11. TYPEWRITING.

The course in typewriting includes lectures on the parts and care of the machine, and instruction in speed and accuracy in typing. Three hours.

#### 12-14. SHORTHAND.

Phonetics, ease in taking notes in the business office or on any lecture, and accuracy in transcription are the essentials stressed in this course. Four hours.

#### 15. ECONOMIC GEOGRAPHY.

The physical basis of industry and trade; resources of the world, with special emphasis on the United States, their importance, use and conservation. Three hours.

#### 18. ECONOMIC HISTORY OF THE UNITED STATES.

A general survey of the development of agriculture, manufacturing, transportation, and exchange of goods; economic crisis, land, capital, labor, and the interplay of economic and political forces. Three hours.

#### 109-110. BUSINESS LAW.

Survey of the background of law. Contracts, sales, agency, bailments, negotiable instruments, partnerships and corporations are among the sub-

jects discussed. Emphasis on the relation of law to ordinary business transactions. Three hours.

#### 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. Three hours. Alternate years; given 1933-1934.

#### 122. BUSINESS ADMINISTRATION.

Theory of plant location, equipment of the plant, equipment and workers, determination of costs, types of organization, payment, record of goods, scientific management, time and motion studies and employment problems. Three hours. Alternate years; given 1934-1935.

#### 123. SALESMANSHIP AND ADVERTISING.

Special emphasis on the psychological basis of the selling process. Types of advertisements, the appeal, style, trade-marks, slogans. Illustrations, use of colors, the layout. Attention given to advertising in current periodicals. Three hours. Alternate years; given 1933-1934.

#### 124. 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. Three hours. Alternate years; given 1934-1935.

#### 125. BUSINESS FINANCE.

Forms of business organization, financial side of promotion and organization of corporations, financial policies, methods of raising capital, forms of securities, channels for sale of securities. Practical financial problems. Three hours. Alternate years; given 1933-1934.



**162. INSURANCE.**

Elementary facts of insurance from the business man's standpoint. Relative merits of the various types of life, fire, liability, and accident insurance. Economic functions of insurance. Insurance law. Governmental supervision. Three hours. Alternate years; given 1934-1935.

**168. INVESTMENTS.**

Elements of sound investment, types of securities, price fluctuations. Government, state, municipal, railroad, public utilities; real estate and other forms of securities. Transfer, assignment, taxation, interest rates, and bond yields. Three hours.

## THE DEPARTMENT OF EDUCATION AND PSYCHOLOGY

**1-2. ELEMENTARY PSYCHOLOGY.**

An elementary course in psychology, designed to give an outline of the subject of adult human psychology. Second semester is a repetition of the course of the first semester. Required for the Elementary, Special, and High School certificates. Three hours.

**11. ELEMENTARY METHODS OF TEACHING.**

This course provides training in the modern methods of presenting the common school subjects. The student is acquainted with the literature of the field and the results of scientific studies in methodology. Required for the Elementary certificate. Three hours.

**20. SCHOOL MANAGEMENT.**

The course gives the student a knowledge of the technique of successful school management in the light of accepted principles. Required for the Elementary certificate. Three hours.

**20-21. SUPERVISED OBSERVATION AND TEACHING IN THE ELEMENTARY SCHOOL.**

This course is required of all applicants for the

sixty-hours teachers certificate valid to teach for a three-year period in the elementary schools of Kansas. In this course students observe and do actual teaching in the city schools. Three hours.

110. SOCIAL PSYCHOLOGY.

This course attempts to explain group behavior in terms of psychological laws and principles. The practical problem method is used. This course does not apply toward the certificate requirements in Education. Prerequisite: Elementary Psychology. Three hours.

115. EDUCATIONAL PSYCHOLOGY.

A general course applying the principles of psychology to the learning process. Required of all candidates for the high school certificate. Prerequisite: Elementary Psychology. Three hours.

120. METHODS OF TEACHING IN THE HIGH SCHOOL.

A course designed to acquaint the prospective high school teacher with the more generally accepted methods of teaching the various high school subjects. Three hours.

125. PRINCIPLES OF SECONDARY EDUCATION.

A study of the educational systems best adapted for a complex modern society and the proper application of educational principles in a democracy. Three hours. Alternate years: given 1933-1934.

135. EDUCATIONAL MEASUREMENTS.

An introduction to the use of scientific methods in the field of education. Provides training in the fundamentals of the statistical method which has become essential to the modern teacher. Three hours. Alternate years; given 1932-1933.

141. HISTORY OF EDUCATION.

The essential features of educational development from the classical nations to the present time are traced that the student may have a basis for an intelligent understanding of present day theory and

practice. Three hours. Alternate years; given 1934-1936.

145-146. SUPERVISED OBSERVATION AND TEACHING IN THE SECONDARY SCHOOL.

This course is required of applicants for the standard high school certificate renewable for life. In this course students observe and do actual teaching in the Junior and Senior high schools of the city of McPherson. Three hours.

150. SCHOOL ORGANIZATION, ADMINISTRATION, AND KANSAS SCHOOL LAW.

A study of the problems of organization and administration of the Junior and Senior high school, including a survey of Kansas School law. Required of all applicants for the high school certificate. Three hours.

162. SPECIAL METHODS IN TEACHING HOME ECONOMICS.

(See department of Home Economics).

164. SPECIAL METHODS IN TEACHING INDUSTRIAL EDUCATION.

(See department of Industrial Education).

166. SPECIAL METHODS IN TEACHING ENGLISH.

(See department of English).

167. SPECIAL METHODS IN TEACHING LATIN.

(See department of Latin).

NOTE—The above courses in special methods may be applied toward the certificate requirement if the student has majored in the particular department from which he offers special methods course.

## THE DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

### I. UNITED STATES GOVERNMENT.

College civics. A critical study of the present with proposed remedies for defects. Political philosophy and party practice are joined for comparison. Not open to freshmen. Three hours.

**5-8. HISTORY OF WESTERN EUROPE.**

Beginning with the fall of Rome, the barbarian invasions, and the rise of the medieval church, the desired goal for the first semester is an appreciation of the medieval foundations of European civilization. The second semester continues from about 1600. Absolute monarchies, the French Revolution, Socialism, Nationalism, and the background of the World War. (These courses are recommended as the basic history courses). Three hours.

**7-8. ENGLISH HISTORY.**

The political, social, and economic history of the English people from the earliest times, noting especially England's institutions as antecedent of our own, and England's place in modern history. Elective by semesters. Three hours. Alternate years; given 1934-1935.

**25. AMERICAN COLONIAL HISTORY.**

Through the Revolution. The social, political and economic conditions from both the colonial and imperial viewpoint. Three hours. Alternate years; given 1933-1934.

**100. COMPARATIVE GOVERNMENT.**

A comparative study of the governmental machinery of the chief European states; and wherein the essential likeness and differences to the government of the United States are concerned. Three hours. Alternate years; given 1934-1935.

**107-108. UNITED STATES HISTORY.**

Beginning about 1783, the semester's study is divided at 1865. Constitutional development, expansion and conflict, social reforms, political parties, and gigantic personalities; reconstruction, major problems, the growth of big business, new tendencies, party struggles, imperialism, and the current situation. Elective by semesters. Three hours.

**111. GREEK HISTORY.**

Greek civilization—glorious Athens, militaristic

Sparta, the successive masterpieces of Thebes, Macedonia, and Rome. Three hours. Alternate years; given 1933-1934.

112. ROMAN HISTORY.

The Republic and the Empire; political, military, social, and constitutional development; the golden Ciceronian or Augustan period. Three hours. Alternate years; given 1933-1934.

117. CONTEMPORARY EUROPEAN HISTORY.

A study of twentieth century Europe, beginning with 1914, chiefly. The Peace settlement and the affairs of the European family of nations are scrutinized. Presupposes course 6, or its equivalent. Three hours. Alternate years; given 1934-1935.

120. REPRESENTATIVE AMERICANS.

Some leaders of the seven generations. Several hundred personalities in their chief connections and leaderships are emphasized. Three hours. Alternate years; given 1933-1934.

122. HISTORY OF THE WEST.

The significance of the frontier, 1763-1893. American ideals and traits as shaped by the westward growth. Three hours. Alternate years; given 1934-1935.

125. MEDIEVAL CIVILIZATION.

A study of the contributions and achievements of the middle ages at their best, particularly, 1100-1300. Three hours. Alternate years; given 1934-1935.

131-132. CZECH HISTORY.

Three hours, both semesters. Alternate years; given 1933-1934.

135. THE RENAISSANCE AND REFORMATION.

Attention will be paid to the developments in art and literature as well as politics and philosophy of the Renaissance. The latter half of the course will be a detailed study of the religious re-

formation led by Luther, Zwingli, Calvin Knox, and others. Three hours. Alternate years; given 1934-1935.

#### 150. INTERNATIONAL RELATIONS.

World politics and imperialism. The background of the last half century in diplomacy, and the developing means of international cooperation. Present world problems. Prerequisite; 6 hours of college history. Three hours.

## THE DEPARTMENT OF INDUSTRIAL EDUCATION

### 1-2. MECHANICAL DRAWING I.

A survey course which emphasizes correct drawing practices and principles. The course includes correct use of instruments, lettering, applied geometry, sketching, working drawings, pictorial drawings, perspective drawings, and methods of duplication. Required in engineering courses, and should be taken before any of the other courses in Industrial Education. Two hours.

### 4. MECHANICAL DRAWING II.

A continuation of Industrial Education 1, 2. Includes orthographic projection, sectioning, revolving views, isometric, oblique, cabinet, and perspective drawings. Prerequisite: Industrial Education 1 or 2. Two hours.

### 9-10. MACHINE DRAWING I.

Requirement for Engineering Course. Includes assembly, detail and working drawings of machine parts, bolts, nuts, screws, springs, castings and pipe fittings. Prerequisite: Industrial Education 1 or 2 or its equivalent. Two hours.

### 21. ARCHITECTURAL DRAWING I.

Introduction to Architectural methods. Course includes standard conventions and symbols, plans, elevations, and details of buildings. Prerequisite: Industrial Education 1 or 2. Two hours.

**25-26. HOME MECHANICS.**

A course for women, designed to teach the up-keep and repair of the household, to give information needed in the wise selection of industrial products, and to make more intelligent customers of the products of industry. This course includes some experience in electricity, drawing, woodworking, finishing and refinishing, metal-work, and plumbing. Two hours.

**51-52. WOODWORK.**

An introductory course in manual training. Emphasis is placed on the tool process and learning units involved, as well as design, construction and finishing wood. This course will fill the requirements for Woodwork in the pre-engineering courses. Two hours.

**53-54. MACHINE WOODWORK.**

An advanced course in design, joinery and finishing. Fine technique in woodwork is emphasized. Prerequisites: Industrial Education 1 or 2, 31 and 52, or equivalent. Three hours.

**61-62. WOODTURNING I.**

An introductory course in turning which includes spindle, faceplate, combination of spindle and faceplate, chuck, and spiral turning. Special emphasis is placed on the manipulation of the turning chisels and the learning units involved. Prerequisites: 51, 52, or its equivalent. Hours are arranged by appointment. Two hours.

**105-106. CABINET MAKING AND FURNITURE DESIGN.**

A special course in advanced cabinet-making for major students. Two hours of advanced woodwork and wood-turning are combined with lectures on theory of design, joinery and finishing. Each student is expected to prepare a paper on some related subject and to construct a woodwork masterpiece. Four hours.

**109-110. ADVANCED WOODTURNING.**

A continuation of Woodturning I for major stu-

dents. It includes the making of larger and more difficult projects and spiral and off-center turning. Prerequisite: Education 61, 62. Two hours.

112. ADVANCED MACHINE DRAWING.

An advanced course in engineering drawings as a continuation of Industrial Education 9, 10. Two hours credit.

122. ADVANCED ARCHITECTURAL DRAWING.

A continuation of Architectural Drawing I. Student is required to make drawings of plans, elevations, and details of an original dwelling. Also to make blue prints and write up the specifications for building the dwelling. Some attention is given to the arrangement and construction of the outbuildings, water systems, sewer systems, and to the landscaping of the grounds. Prerequisites: Industrial Education 1 or 2 and 21. Two hours.

141. WOOD FINISHING.

A course designed to give training, experience and understanding of wood finishing. Sufficient work is given for the student to learn the modern methods of finishing, together with all the materials used and the process of their manufacture. Some time is spent in refinishing old furniture and the repairing of damaged finishes on furniture. It affords opportunity for the comparison of the various finishes used at the present time. Prerequisites: 53, 54. Two hours.

154. TEACHING METHODS IN INDUSTRIAL ARTS.

A course designed to provide the prospective teacher with training in correct methods of teaching manual and industrial arts. Special emphasis is placed on practical problems that the beginning teacher meets. All students who expect a teaching recommendation from this department are expected to take this course. Students who are majoring in Manual Arts may receive credit for this course in their educational requirement. Two or three hours.



## THE DEPARTMENT OF PHILOSOPHY AND RELIGION

### 1. BIBLE INTRODUCTION.

A historical survey of the whole Bible, with emphasis upon Hebrew history, types of literature, compilation, canonization, translation, inspiration, and method in Bible study. Three hours. Alternate years; given 1933-1934.

### 2. LIFE OF CHRIST.

A study of the four Gospels with a view to working familiarity with the actual facts of Jesus' life. Conditions in Palestine are considered and attention is given to a harmony of the Gospel materials. Three hours. Alternate years; given 1934-1935.

### 20. NEW TESTAMENT LIFE AND LITERATURE.

The Acts, Epistles, and Revelation are carefully studied for information as to their writers, their history, and their message in relation to the life of the early Christian church and their bearing upon life today. Three hours. Alternate years; given 1933-1934.

### 21. OLD TESTAMENT LIFE AND LITERATURE.

The books of the Old Testament are examined in their relation to the life which produced them. Varieties of literature are classified and notable examples are studied for their religious values. Three hours. Alternate years; given 1934-1935.

### 106. OLD TESTAMENT POETS AND PROPHETS.

The poetical, philosophical, and prophetic figures and writings of the Old Testament are studied. Emphasis is given to the Psalter, Job, and Isaiah. Three hours.

### 107. INTRODUCTION TO PHILOSOPHY.

A survey of the field of philosophy as a persistent endeavor to discover the truth in regard to life and reality. The main problems and chief theories

on the subject are examined and evaluated. Numerous standard texts are consulted. (Three hours. Alternate years; given 1933-1934.)

#### 110. HISTORY OF PHILOSOPHY.

The history and development of philosophic thinking is the content of this course. A study is made of the life and system of various leading philosophers and tendencies in the philosophical field are indicated and their merit discussed. Three hours. Alternate years; given 1934-1935.

#### 111. TEACHINGS OF JESUS.

An advanced course in the materials of the Gospels, emphasizing the doctrines of the Christian life as taught by Jesus himself. The world in which he lived, the forms of his teaching, and present-day applications, all come in for a share of attention. Three hours.

#### 120. THEISM.

A philosophical study of the paths of human knowledge which lead to a realization of God. The world is full of evidences that a personal spiritual God lives in his universe and this course proposes to examine these witnesses to his divine character and relations with mankind. Three hours. Alternate years; given 1933-1934.

#### 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. Three hours.

#### 140. WORLD RELIGIONS.

A careful study of the non-Christian religions of the world for their values, with a view of understanding how Christianity excels and fulfills the hopes of them all. Three hours. Alternate years; given 1933-1934.

**150. PHILOSOPHY OF RELIGION.**

A study of the facts of religion, inclusive of its nature, function, and varieties of expression. Special attention is given to the doctrines of conversion, prayer and immortality. Three hours. Alternate years; given 1934-1935.

**161. INTRODUCTION TO RELIGIOUS EDUCATION.**

A survey of the theory and practice of religious education. Some of the units covered are objectives, curriculum, leadership, organization and administration, the psychological approach, and records and reports. Three hours. Alternate years; given 1934-1935.

**162. PROBLEMS IN RELIGIOUS EDUCATION.**

An advanced course operating on a seminar basis. Students select a problem for individual study and research. Three hours. Alternate years; given 1934-1935.

**170. SEMINAR.**

Special Bible Studies, such as individual books of the Bible, or New Testament Greek, to be offered as occasion may demand, and to qualify for the usual credit of three hours. By appointment.

**180. SEMINAR.**

For ministers on ministerial work and problems, or a study of The History and Doctrine of the Church of the Brethren, either to be offered as occasion may demand and to qualify for the usual three hours credit. By appointment.

**190. SEMINAR.**

Special Problems of Philosophy for advanced students to be offered on occasion and qualify for the usual credit of three hours. By appointment.

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By action of the State Board of Education fifteen hours in accredited Bible Study may be presented toward the requirements of graduates applying for

## 8. LIBRARY METHODS.

Organization and administration of libraries; designed for those especially interested in library work, and for those who as teachers will have charge of the school library. Prerequisite: Library Science 1-2. Two hours by appointment.

## SOCIOLOGY

## 101. INTRODUCTION TO SOCIOLOGY.

A study of the nature and scope of sociology, including social origins, social activities, social control, social ideals, social progress, and the attainment of these through social organization. Three hours.

## 110. RURAL SOCIOLOGY.

The social, economic, educational, and religious life of rural communities is studied. Tendencies and deficiencies are noted and methods of improvement are indicated according to the best ideals of social life. Three hours.

## 122. THE FAMILY.

In addition to a historical survey the family is studied as a social, educational, moral, and religious institution. Emphasis is given to present tendencies and deteriorating influences. Three hours.

# THE DIVISION OF LANGUAGES, LITERATURE, ARTS

## FACULTY

Jessie Brown, B. M.  
Clara Colline  
Maurice A. Hess, A. M.  
Della Lehman, A. M.

Fern Lingenfelter, B. M.  
Mary Edith McGaffey, A. M.  
Alvin C. Voran, A. B., B. M.

## OBJECTIVES OF THE DIVISION OF LANGUAGES, LITERATURE, ARTS

To develop an understanding of the English language through a study of derivatives and syntax.

To contribute to the cultural influences of a college education by developing an appreciation for classical and contemporary literature and art.

To develop skill in the effective use of the English language.

To enable students to secure the basic preparation needed for vocational work and for continued work in graduate schools.

## THE DEPARTMENT OF ENGLISH

### 1-2. ENGLISH.

A study of the fundamentals of composition through their practical application in oral and written themes, and in class room discussion. Required of all freshmen. Three hours.

### 12. ADVANCED COMPOSITION.

A study in composition in advance of English 1 and 2. Three hours.

### 21-22. ENGLISH LITERATURE.

An introductory course designed to develop a sense of values and an appreciation for the best in literature through the study of representative writers. Open to freshmen. Two hours.

**31. AMERICAN POETS.**

An intensive study of the chief American poets from Bryant to Lanier. Two hours.

**32. AMERICAN PROSE.**

A companion course to American Poets. Intensive study is made of the chief American prose writers from Franklin to Holmes. English 81 and 32 give the student a basis for appreciation of American literature, both early and recent. Two hours.

**51-52. SURVEY OF THE DEVELOPMENT OF ENGLISH LITERATURE.**

A study of periods of literary history, rise of literary forms, etc. Required of major students. Six hours. Alternate years, given 1933-1935.

**111. THE ENGLISH ESSAY.**

A study of the development of the English essay from the time of Bacon. Two hours. Alternate years, given 1933-1934.

**122. THE SHORT STORY.**

A study of the technique of the short story from representative types, with practice in the writing of that form. Two hours. Alternate years, given 1932-1933.

**123. 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. Three hours. Alternate years, given 1933-1934.

**131. CANTERBURY.**

A detailed study of the Prologue and the reading of the Canterbury Tales. Supplementary reading and reports. Two hours. Alternate years, given 1933-1934.

## 132. MILTON.

A detailed study of the poetry of Milton. Two hours. Alternate years, given 1933-1934.

## 133. ROMANTIC POETS.

A study of selections from the Romantic poets, with special attention to Wordsworth, Coleridge, Byron, Shelley, and Keats. Three hours. Alternate years; given 1934-1935.

## 134. VICTORIAN POETS.

A study of the English poetry of the Victorian era, with particular emphasis on Browning and Tennyson. Three hours. Alternate years; given 1933-1934.

## 135. CONTEMPORARY POETRY.

A survey of recent poetry in England and America. Two hours. Alternate years, given 1933-1934.

## 141. DEVELOPMENT OF THE DRAMA.

A study of the development of the drama in England from the beginning to 1642, exclusive of Shakespeare. Three hours. Alternate years; given 1934-1935.

## 142. SHAKESPEARE.

An introductory study of Shakespeare's plays and of his place in the development of the drama. Three hours.

## 144. MODERN DRAMA.

A survey course in the field of recent drama. Representative plays of all nations making noteworthy contributions to modern drama are studied. Three hours. Alternate years; given 1934-1935.

## 150. BACKGROUNDS OF ENGLISH LITERATURE.

A study of masterpieces of Grecian literature, including epics, lyrics, dramas, and orations. Three hours. Alternate years; given 1934-1935.

## 158. SPECIAL METHODS IN TEACHING ENGLISH.

A course intended for prospective teachers of English in the secondary school. Two hours.

## THE DEPARTMENT OF LATIN

## 21-22. CICERO, ORATIONS.

The four orations against Catiline, Manilian Law and Archias. Latin composition and grammatical drill. A study of Cicero's style and political background. Three hours. Alternate years, given 1933-1934.

## 31-32. VIRGIL, THE AENEID.

First six books. Careful study of scansion and Roman mythology. Three hours. Alternate years, given 1934-1935.

## 60. ROMAN PRIVATE LIFE.

Johnston's *Private Life of the Romans*, supplemented by lectures and assigned readings in English of the more important authors. No Latin required, does not satisfy language requirement. One or two hours. Alternate years; given 1934-1935.

## 106. CICERO, DE SENECTUTE.

A critical analysis of this delightful essay, with a thorough review of the grammar. Two hours. Alternate years; given 1934-1935.

## 112. LIVY, BOOK XXI.

History of the Punic wars. Supplemented by a careful study of Mackail, *Latin Literature*. Three hours. Alternate years, given 1934-1935.

## 115. HORACE, ODES.

Careful practice in metrical reading. Attention is given to geographical, historical and mythological allusions of this "people's poet." Three hours. Alternate years, given 1935-1936.

## 120. PLAUTUS, CAPTIVI.

History of the rise and development of the Roman drama. Peculiarities in form or syntax of the colloquial Latin of the period are observed. Three hours. Alternate years, given 1935-1936.



## 128. OVID, METAMORPHOSES.

The masterpiece of a born story teller. A<sup>C</sup> reading course with collateral work in mythology. Three hours. Alternate years; given 1936-1937.

## 130. TACITUS, AGRICOLA AND GERMANIA.

Attention is given to the author's style, and to the political and social conditions of Britain and of the German people. Three hours. Alternate years; given 1936-1937.

## 135. CICERO'S LETTERS.

These letters form a basis for the study of the history and life at the end of the Roman republic. Three hours. Alternate years, given 1933-1934.

## 140. HORACE, SATIRES AND EPITLES.

Lectures on the origin and development of Roman satire. Three hours. Alternate years, given 1933-1934.

## 145. ADVANCED LATIN COMPOSITION.

Study of grammatical principles as applied to translation of connected discourse to Latin. Course may be repeated with new material. One hour. Alternate years; given 1933-1934.

## 167. THE TEACHING OF LATIN.

A discussion of the values, aims and methods of Latin study in high schools. Examination of textbooks and other teaching material. Lectures, outside readings and reports. Open to students with four years of Latin. Two hours. Alternate years, given 1934-1935.

## THE DEPARTMENT OF FINE ARTS

The department of Fine Arts consists of two groups, Music and Art, which offer the following major courses:

## I. MUSIC.

- (a) Piano.
- (b) Voice.
- (c) Violin.
- (d) Public school music.

## II. ART.—NORMAL ART COURSE.

These courses include systematic and progressive instruction in the theory, history and practice of the arts to which they are severally related.

The college of liberal arts affords excellent opportunities to students, so desiring, to pursue studies related to fine arts other than those included in the courses of the school.

## ADMISSION

Entrance is effected in two ways: First, as a regular student. For any course leading to a degree the student must satisfy the entrance requirements of the College of Liberal Arts and Science, and give satisfactory evidence that the preparatory course in piano, voice or violin has been completed. Second, as a special student. In this case the student may elect any course which his previous training has qualified him to pursue.

## COURSES OF INSTRUCTION

The following courses are offered:

- (1) A four year course leading to the degree of Bachelor of Music with Piano, Violin, or Voice as a major.
- (2) A three year course leading to a Diploma with Piano, Violin, or Voice as a major.
- (3) A two year course leading to a Teacher's certificate with Piano, Violin, or Voice as a major.
- (4) A four year's (one hundred and twenty hours) supervisor's course in Public School Music leading to a degree and to a state certificate.

(5) **Artist course:** A four year's course with Piano, Violin or Voice as a major leading to an artist certificate.

### CREDITS

In all class work one hour of recitation and two hours of preparation for a period of one semester is required for one hour credit.

In applied music six hours practice each week for a period of one semester is required for one hour credit.

A maximum of 30 hours credit from the school of Fine Arts may be elected towards an A. B. degree.

### GENERAL REQUIREMENTS

Candidates for certificates or degrees in music are required to pass an examination in their major subject before the examination board. They must also appear in private, public and graduation recitals.

Each student shall confer with the advisory committee chosen from the music faculty concerning courses to be taken. Students are not allowed to arrange for public engagements without the permission of the faculty.

All students are required to study with the head of the department in which they major during the year of graduation and are required to take two lessons per week in their major subject.

All preparatory courses must be completed before the student is eligible to enter advanced courses. Preparatory courses require about four years work for completion, depending upon branch of study selected and the natural ability of the student.

A series of recitals are given during the year. Music students are required to attend.

## OUTLINE OF COURSES LEADING TO DEGREE, B. M.

### PIANO

The Roman numerals indicate the semester and the Arabic numerals the credits allowed in each semester.

<i>Freshman.</i>			<i>Sophomore.</i>		
	I.	II.		I.	II.
Piano	2	2	Piano	2	2
Harmony	2	2	Harmony	2	2
Sight Singing and Ear Training	3	3	Normal Training		2
English	3	3	Conducting and Instrumentation	2	2
Appreciation and History of Music	3	3	Psychology	3	
Chorus	$\frac{1}{2}$	$\frac{1}{2}$	Music Form	2	
Electives	3	2	Methods	3	
			Management		3
			Chorus	$\frac{1}{2}$	$\frac{1}{2}$
			Electives	—	4
<i>Junior Year.</i>			<i>Senior Year</i>		
	I.	II.		I.	II.
Piano	2	2	Piano	4	4
Counterpoint	2	2	Canon	2	
Harmonic Analysis	2		Fugue		2
Public Speaking	3	3	Expression	3	3
Chorus	$\frac{1}{2}$	$\frac{1}{2}$	Chorus	$\frac{1}{2}$	$\frac{1}{2}$
Electives	5	9	Electives	5	5

### VOICE

<i>Freshman.</i>			<i>Sophomore.</i>		
	I.	II.		I.	II.
Voice	2	2	Voice	2	2
Piano	1	1	Harmony	2	2
Harmony	2	2	Conducting and Instrumentation	2	2
English	3	3	French or German	3	3
Sight Singing and Ear Training	3	3	Psychology	3	
Appreciation and History of Music	2	2	Chorus	$\frac{1}{2}$	$\frac{1}{2}$
Chorus	$\frac{1}{2}$	$\frac{1}{2}$	Piano	1	1
Electives	1	1	English	3	3
			Electives		2
<i>Junior.</i>			<i>Senior.</i>		
	I.	II.		I.	II.
Voice	2	2	Voice	2	2
Counterpoint	2	2	French or German	3	3
Harmonic Analysis	2		Expression	3	3

Musical Form	2	Chorus	½	½
French or German	2	Recital		4
Public Speaking	2	Electives	2	2
Methods	2			
Management	2			
Chorus	½			½

## VIOLIN

<i>Freshman</i>		I.	II.	<i>Sophomore</i>		I.	II.
Violin, Cello	2	2	2	Violin, Cello	2	2	2
Harmony I	2	2	2	Piano	2	2	2
Sight Singing I and Ear Training I	2	2	2	Harmony II	2	2	2
English I and II	2	2	2	Conducting and Instrumentation	2	2	2
Appreciation and History of Music	2	2	2	Violin Normal			1
Recital, Orchestra	½	½	½	Form Analysis	2		
Electives	2	2	2	Sight Singing II	1	1	1
				Psychology	2		
				Recital, Orchestra	½	½	½
				Electives	1	1	1

<i>Junior</i>		I.	II.	<i>Senior</i>		I.	II.
Violin, Cello	2	2	2	Violin, Cello	4	4	4
Piano	2	2	2	Canon	2		
Counterpoint	2	2	2	Fugue			2
Harmonic Analysis	2			Elem. Composition			2
Methods	2			Recital, Orchestra	½	½	½
Management	2			Electives	2	2	2
Recital, Orchestra	½	½	½				
Electives	2	2	2				

## PUBLIC SCHOOL MUSIC

This course leads to a Bachelor of Music degree and to a certificate granted by the state which permits a student to teach in the public schools.

## OUTLINE OF PUBLIC SCHOOL MUSIC

<i>Freshman</i>		I.	II.	<i>Sophomore</i>		I.	II.
Pub. Sch. Methods	—	2	2	Pub. Sch. Methods	—	2	2
Harmony	—	2	2	Harmony	—	2	2
Ear Tr. & Sight Sing.	2	2	2	Voice	—	1	1
Mus. Hist. & Appr.	2	2	2	Piano	—	1	1
Piano	—	1	1	Ear Tr. & St. Sing.	—	2	2
Voice	—	1	1	Psychology	—	2	2
Orientation	—	1	1	English	—	2	2
Rhetoric	—	2	2	Chorus or Orch.	—	½	½
Chorus or Orchestra	—	½	½				
<i>Junior</i>		I.	II.	<i>Senior</i>		I.	II.
Piano	—	1	1	Piano	—	1	1
Voice or Violin	—	1	1	Voice or Violin	—	1	1
Methods	—	2	2	Music Form	—	2	2
Management	—	2	2	Keyboard Harmony	—	2	2
Fris. of Interpre.	—	2	2	Practical Teach.	—	2	2
Pub. Speaking	—	2	2	Chorus or Orch.	—	½	½
Harmonic Analysis	—	2	2	Conducting or Instrumentation	—	2	2
Electives	—	5	7	Electives	—	6	8

## DESCRIPTION OF COURSES

PIANO  
PREPARATORY COURSE

## FIRST YEAR

1-2—Elements of pianoforte playing, including hand culture, notation and rhythm, technical exercises from Schmitt, elementary studies by Kohler, Czerny, Guriſt, and others; selections from Lichner, Diller-Quail, Crosby-Adams, Gaynor, etc. Four hours.

## SECOND YEAR

3-4—Technical studies from Schmidt or Blehl, selected studies from Czerny, Doring, Brauer, Ber-

tini, Burgmüller; compositions from Schumann, Wilm, Gurlitt, Gade and others. Four hours.

### THIRD YEAR

5-6—Technical from Hanon and Wiehmayer; selected studies from Czerny, Lecoupepy, Berens, Leoschhorn, Heller, Kuhlau, Dussek, Reinecke; easier compositions from standard composers. Four hours.

### FOURTH YEAR

7-8—Technical studies from Wiehmayer, Special studies from Czerny, Hasert, Leoschhorn, easier studies from Bach; sonatas from Haydn and Mozart; medium grade selections from Mendelssohn, Godard, Grieg, Scharwenka, Rheinhold, etc. Four hours.

### REGULAR COURSE

#### FRESHMAN YEAR

11-12—Technical studies from Wiehmayer, Phillip, Etudes from Czerny, Leoschhorn, Hasert, two part inventions—Bach. Sonatas from Haydn, Mozart, Beethoven; compositions from Grieg, Godard, Schubert, Saint-Seans, Schumann. Four hours.

#### SOPHOMORE YEAR

101-102—Technical studies from Wiehmayer, Phillip, Beringer; etudes from Cramer, Czerny, Bach Inventions; sonatas from Mozart, Beethoven; selections from Grieg, Sinding, Mac Dowell, Moszkowski, Chopin, Schubert, Liszt, and others. Four hours.

#### JUNIOR YEAR

115-116—Advanced technical studies from Pischner and Tausig; selected etudes from Neupert. The suites and partitas from Bach, more difficult compositions from MacDowell, Rubinstein, Chopin, Brahms, Liszt, Tschaikowsky; sonatas from Beethoven, Brahms; concertos from Mendelssohn, Beethoven, Mozart and others. Four hours.

## SENIOR YEAR

131-132—Selected studies from Gradus and Parnassum, Chopin, Henselt, etc.; well-tempered Clavichord Bach. More difficult sonatas from Beethoven, Brahms, Chopin; compositions from Liszt, Chopin, Schumann, Debussy, Schubert, Brahms and others; concertos from Grieg, Schumann, Beethoven, Mendelssohn, etc. Eight hours.

## VOICE

## PREPARATORY COURSE

5-6—One year preparatory work is required before entering upon the course leading to Bachelor of Music. This work consists of elementary vocalization to be continued throughout the courses according to the requirements of the individual, breathing exercises as applied to tone production and art of vocalization, voice placing, solfeggio, diction, technical exercises and simple songs. Four hours.

## REGULAR COURSE

## FRESHMAN YEAR

11-12—Study of exercises for the special needs of the individual voice, selected studies, songs by English and American composers, stage presence. Four hours.

## SOPHOMORE YEAR

121-122—Exercises, scales, Concone op. 9, songs of classic composers. Arias of moderate difficulty. Four hours.

## JUNIOR YEAR

125-126—Continuation of Concone and other advanced vocalizers. Study of oratorio of Handel and Mendelssohn, etc., operas of Gounod, Offenbach, Flotow, Verdi, etc. Songs sung in French and German. Four hours.

## SENIOR YEAR

131-132—Advanced vocalizers of Concone opera



II. These exercises form a transition from the Grand style to the extreme difficulties of vocalization. Songs from the classic lieder Schubert, Schumann, Rubinstein, etc. Songs from modern Oratorio and opera sung in German. Four hours.

#### VOCAL MUSICAL ORGANIZATIONS

There are a number of vocal music organizations in which music students may find opportunity for self expression, such as varsity male quartette, ladies' quartette, men's glee club, women's glee club. These will vary with the years, depending on the number and quality of voice available.

One of the most attractive organizations now is the A Capella Choir. This is an organization of mixed voices, the membership of which is selected by the Director, and through qualifying tests the membership is limited. The work is of the highest standard and all programs are presented without accompaniment.

#### VIOLIN

The description of the courses in violin suggests the type of material used, which varies to meet individual requirements. The time required to complete the several courses depends upon the talent and industry of the student.

#### PREPARATORY COURSE

##### FIRST YEAR

1-2—Correct position of arm and fingers. Bowing exercises, exercises for intonation in first position; studies by Wohlfahrt, Henning, Sevcik, Dancla, Kayser and others; scales; easy selections. Four hours.

## SECOND YEAR

8-4—More advanced studies by Wohlfahrt, Sevcik, Dancla, Kayser, Gruenberg, Sitt in first and third positions; scales, arpeggios, bowing studies, easy selections. Four hours.

## THIRD YEAR

5-6—Study of second, fourth and fifth positions. Studies by Kayser, Mazas, Sevcik and selected etudes by Gruenberg, easier student concertos by Seitz, Sitt and others; three octave scales and arpeggios; double-stops; sonatas; selections. Four hours.

## REGULAR COURSE

## FRESHMAN YEAR

11-12—Technical studies; etudes by F. Ziegler, Campagnoli, Dont, Meeris, Kreutzer; concertos by Rode, Kreutzer, de Beriot; standard solos. Four hours.

## SOPHOMORE YEAR

101-102—Technical studies; etudes by Kreutzer, Fiorillo, Rode; concertos by Viotti, Spohr, Mozart; Mendelssohn, sonatas by Handel, Mozart, Grieg, Tartini; standard solos. Four hours.

## JUNIOR YEAR

125-126—Complete review and continued technical studies; etudes by Rode, Gaviniis, Rovelli, Dont; concertos by Mendelssohn, Mozart, Vieuxtemps, Wieniawski, Bruch, Beethoven; sonatas by Grieg, Beethoven, Franck; advanced solo selections. Four hours.

## SENIOR YEAR

181-182—Thorough training of left hand technique necessary for the classical and modern literature for violin; mastery of the many kinds of bowing; intense study of standard concertos, sonatas and other compositions included in the modern concert repertoire. Eight hours.

## NORMAL TRAINING COURSE

41—Violin Normal—Study of the methods of procedure, teaching material for solo and ensemble, and pedagogical problems. Two hours.

45—Piano Normal—This course embraces the methods of teaching piano. Subjects pertinent to musical pedagogy are presented. Student is required to participate in practice teaching under supervision. Two hours.

## ORCHESTRA

The Orchestra is open to all who desire to learn something of standard orchestra work and who pass suitable examinations for admission. Only music of the highest quality is studied. One hour credit is given.

## BAND

An opportunity is offered for those who wish to play and receive instructions on any band instrument. Those who wish to play must avail themselves of the best instruments.

## THEORY OF MUSIC

1—Harmony First Year—Thorough review of scales, intervals, chords, and beginning of four part writing. Practical work. Two hours.

2—Various chords of the seventh, ninth and their inversions. Easy modulations. Practical work. Two hours.

3—Second Year—Modulations, key relations, altered chords. Much practical work required. Two hours.

4—Non-harmonic notes, dissonances, modern harmony, and review. Practical work in advanced harmony. Instrumental Application. Two hours.

101—Harmonic Analysis (Prerequisite: Course 4)—Detailed analysis of standard and representative masterpieces. Explanations of chord formations.

non-harmonic notes, modulations, etc., as applied to the piano. Two hours.

102—Keyboard Harmony (Prerequisite: Course 4)—Practical work at the piano in harmonizing melodies, figured and unfigured basses, and transposition. One hour.

103—Instrumentation (Prerequisite: Courses 1-4)—Analysis of scores; study of instruments of the orchestra and band; arranging of easier composition for same. Two hours.

104—Counterpoint (Prerequisite: Course 2)—Strict counterpoint in two, three and four voices, using the various species singly and in combination. Two hours.

105—Continuation of the preceding course in the addition of more parts. Modern, or instrumental, counterpoint. Application to the invention. Two hours.

106—Canon and Fugue (Prerequisite: Courses 4-102)—Canon in a detailed study of the various devices of canon and canonic imitation. Two hours.

107—Fugue, its relation to composition and the structural development of fugue. Practical work and a thorough analysis of standard work. Two hours.

108—Form and Composition (Prerequisite: Course 102)—Analysis of all the structural factors and designs employed in musical composition from the figure, motive and phrase to the Sonata—Allegro—Form, and the irregular forms. Two hours.

109—Practical work in the smaller homophonic forms. Two hours.

110—Composition and Orchestration (Prerequisite: Course 109)—Advanced form and composition in the larger forms. Development of variations on a theme, working out of concerto, sonata, or other forms at the discretion of the instructor. Two hours.

111—Advanced Instrumentation and arranging of some standard work for orchestra. Two hours.

11—Conducting—A two-hour course open to all students of music, but required of all candidates for Diploma, Degree and Public School Music Certificate. Thorough drill in the technique of the baton with opportunity for practical work; all phases of music necessary to the leading of an organization are considered, including a study of orchestral and band instruments and their characteristics; practical work in transposition. Two hours.

12—Ear Training I.—This course takes up the study of rhythm, intervals and melodies heard by ear. Four hours.

112—Ear Training II—A continuation of the first year course and also four part writing. Four hours.

15—Appreciation—A course on musical appreciation and construction designed to broaden musical culture by a study of some of the masterpieces from the viewpoint of the auditor. A phonograph is used. This course is offered particularly for college students and no previous technical training is required. One hour.

16—Sight Singing—One hour. Selfeggio in all keys, beginning with the simplest and most fundamental problems in pitch and rhythm; two-part singing. Two hours.

112—Sight Singing—One hour. Involves mastery of all tonal and rhythmic problems in choral music; singing by syllable, interval, neutral syllable and words, in all keys; two, three and four-part singing. Two hours.

17—Ensemble—Excellent training in ensemble playing for all instruments as found in the orchestra, quartets, trios, and duets.

18—Orchestral Instruments—In the public school music course the students become familiar

with all instruments of each choir; namely, violin, cornet, clarinet, and drums.

#### HISTORY OF MUSIC

113—Study of ancient and medieval music and polyphonic schools. Folk music and ancient modes in detail. Two hours.

114—Development of oratorio, opera and instrumental music. The Renaissance and its effect; Romantic composers, modern tendencies in music. Two hours.

#### PUBLIC SCHOOL MUSIC METHODS

##### FIRST YEAR

47—Kindergarten Methods, songs, games. The child voice, methods of teaching. Rote songs, observation songs, sight singing. Four hours.

##### SECOND YEAR

48—Classification of voices, intermediate grades, music appreciation, songs, methods in grammar grades, methods in high school. Outlines for teaching harmony, instrumentation, and music history. Outlines for musical activities. Cantatas, operettas, oratorios. Four hours.

#### EXPRESSION AND PUBLIC SPEAKING

##### PRICES OF COURSES

	one 30-min. les. a week	two 20-min. les. a week
Miss Brown	\$25.00	\$50.00
For Elementary and High School Students	18.00	36.00
Mr. Voran	25.00	50.00
For Elementary and High School Students	18.00	36.00
Miss Lehman (Expression)	20.00	40.00
Miss Lingenfelter	18.00	36.00
Violin	18.00	36.00

History, Theory, Harmony, Counterpoint, Canon and Fugue, Form, Composition, Orchestration, Ear

Training, Conducting, Sight Singing, Public School Music Methods, or Folk Games. One semester hour—\$5.00.

When fewer than five are in one class tuition will be charged at rates of private lessons divided equally among the class.

No reduction made for lessons missed through fault of student and such lessons will be made up only through the courtesy and at the discretion of the instructor.

Lessons falling on legal holidays, when general school activities are suspended, will not be made up.

Lessons missed through sickness will be arranged to suit the convenience of the instructor.

#### CLASS INSTRUCTION FOR CHILDREN

From 6-12—four in class—each semester (45 minute lessons a week)—each pupil—\$9.00.

### ART

The study of art is one of the mediums through which we learn thoroughly to know and to appreciate nature and life. We have a wide range of subjects for study and interpretation.

Art students are required to furnish their own materials except easels and drawing boards. Every student is expected to work 2½ hours per week for each hour of credit given.

#### PAINTING

1-2—First Year—Still Life, Arrangements of still life in water colors, oil, pastel. 3-4 hours, each semester.

3-4—Second Year—Still Life, Landscapes. Study of Color and Pigments. 3-4 hours, each semester.

101-102—Third Year—Study from life, landscape and still life. 4-6 hours, each semester.

121-122—Fourth Year—Continuation of third year courses. 4-6 hours, each semester.

#### DRAWING

5-6—First Year—Drawing from cast. Study of form and values, principles of perspective. Simple composition in still life. 2-4 hours, each semester.

7-8—Second Year—Development in the handling of pencil, charcoal and ink. Study of still life and landscape. Original Compositions. 4 hours, each semester.

131-132—Third Year—Advanced Drawing. Continuation of second year. 4 hours, each semester.

#### ENGRAVING

135-136—Third Year—Wood engraving. Study of principles and practice of engraving on wood blocks from which prints are made. 2 hours, each semester.

137-138—Fourth Year—Lithography. Etching (Dry point). 2 hours, each semester.

#### HISTORY OF ART AND APPRECIATION

151-152—History of Painting, etc. 2 hours, each semester.

#### INDUSTRIAL AND APPLIED ART

160—Industrial Art problems for Primary Teachers. 2 hours.

21—Methods of using water color, elements of design, blackboard drawing, weaving, modeling, paper cutting and lettering. Two hours.

22—Industrial art for intermediate teachers. Problems adapted to children. Fourth to Eighth grades. Two hours.

23—Industrial Art for High School Teachers. Problems in design and Construction adapted to high school pupils. Two hours.



## DESIGN

31—Elementary Color and design—Principles and practice of design, color harmonies, original design and color harmonies which may be applied to leather, wood, glass, fabrics, etc. Three hours.

32—Poster design—Practice in lettering. Study of alphabets suitable for posters. Advanced color and designs. One hour.

33—Basketry. Two hours.

34—China Painting—Realistic, Conventional. 2-4 hours.

ALL FEES FOR ART WORK, \$5 PER CREDIT HOUR.

## FRENCH

## 1-2. ELEMENTARY FRENCH.

Grammar, pronunciation, reading, composition, conversation. No credit towards graduation given for 1 unless 2 is completed. Three hours.

## 3-4. SECOND YEAR FRENCH.

Reading of such authors as Daudet, Corneille, Maupassant, About, Loti, Moliere, Merimee, Dumas, Flaubert. Grammar review, composition and conversation. Three hours.

## 105-106. FRENCH COMPOSITION.

Thorough review of grammar, phonetics, advanced composition and conversation. Prerequisite: 4. Two hours.

## 109-110. SEVENTEENTH CENTURY FRENCH LITERATURE.

With a rapid survey of the preceding centuries as an introduction to Classicism. Prerequisite: 4. Two hours.

## 121-122. NINETEENTH CENTURY FRENCH LITERATURE.

With a rapid survey of the eighteenth century as an introduction to Romanticism. Contemporary literature will be included with Realism. Prerequisite: 4. Three hours.

## GERMAN

## 1-2. ELEMENTARY GERMAN.

Grammar, pronunciation, reading, composition, conversation. No credit towards graduation is given for 1 unless 2 is completed. Three hours.

## 3-4. SECOND YEAR GERMAN.

Reading of such authors as Arnold, Zschokke, Heyse, Storm, Baumbach, Wildenbruch. Grammar review, composition, and conversation. Three hours.

## SPEECH

## 8. PUBLIC SPEAKING.

A course to train the student in impromptu, extempore, and formal delivery. A study of the different types of public address. Students will prepare and deliver brief addresses. Three hours. Alternate years; given 1933-1934.

## 11. ARGUMENTATION AND DEBATE.

A study of the principles of argumentation with practice in application by written briefs and oral argumentation. Important public questions studied and debated. Two hours. Alternate years; given 1934-1935.

## 20. ADVANCED DEBATE.

This class is intended for students who have won in the preliminary debate contests. Teams from this class represent the college in the annual intercollegiate debates. Two hours.

## 25. ORATORY.

In this course especial attention is given to the study of orations, as to composition, structure, style, logic, and thought. An original oration is required to be given by each student. This oration may be used in the intercollegiate contests. Two hours. Alternate years; given 1933-1934.

## 31-32. PRINCIPLES OF SPEECH.

A course in general speech education and fundamentals of interpretation. Three hours.

## 41. STORY TELLING.

Sources of story material, the selection of different types of stories suitable for the different ages of childhood. Principles of effective story telling, with actual practice. Each student is required to appear in a program of stories. Two hours.

## 151-152. DRAMATIC ART.

The aim of this course is to give the student elementary principles of standards of acting, character interpretation and producing. Course repeated second semester. Not open to freshmen. Prerequisite: Speech 31 and 32. Three hours. Alternate years; given 1934-1935.

## 105-106. ADVANCED EXPRESSION.

An interpretative study of literary masterpieces, and a practical application of the principles of interpretation to platform reading, dramatic art, etc. Prerequisite: Speech 31 and 32. Three hours. Alternate years; given 1933-1934.

# SUMMER SCHOOL

Eight Weeks, June 5—July 28, 1933

*Earn Nine Hours Credit*

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## THE TEACHING STAFF OF 1933

- V. F. SCHWALM, A. M., Ph. D.  
Manchester College, Columbia University, University of Chicago.  
*President, McPherson College.*
- F. A. REPLDGLE, A. B., A. M.  
Northwestern University, University of Chicago. Resi-  
dence work completed for Ph. D. Degree.  
*Director of Summer School, Dean of the College, Educa-  
tion and Psychology.*
- MARY EDITH McCAFFEY, A. B., A. M.  
A. B. McPherson College, A. M. University of Kansas,  
Summer Work, University of Chicago, 1921, '23, and 1928.  
*Dean of Women, English.*
- J. W. HERSHEY, M. S., Ph. D.  
Gettysburg College, Harvard, John Hopkins, Chicago.  
*Science.*
- J. H. FRIES, A. B.  
New York University, McPherson College.  
*Business Manager of Summer School.*
- J. DANIEL BRIGHT, A. B., A. M., Ph. D.  
Manchester College, University of Wisconsin.  
*History and English.*
- MAURICE A. HESS, A. B., A. M.  
Cumberland Valley Normal, Ursinus College, University  
of Pennsylvania, University of Chicago.  
*Reviews of Common Branches.*
- MARY FEE, B. S. in Ed., M. S.  
State Teachers College, Emporia, Life Certificate, 1928;  
Kansas University.  
*Supervisor Practice Teaching.*
- JESSIE BROWN, B. M.  
Bethany Conservatory, Royal Conservatory, Leipzig, Ger-  
many.  
*Director of Piano Department.*

**FERN LINGENFELTER, B. M.**

McPherson College, Bethany Conservatory, Chicago Musical College.  
*Public School Music, Piano.*

**CLARA COLLINE,**

Private Teacher (Mrs. A. Bass, Wichita, Kansas), Chicago Art Institute, 1922. Special Work (Sandzen) Bethany College. Artists certificate, Bethany College, 1927.  
*Art.*

**ADVANTAGES OF SUMMER STUDY**

Summer study is becoming more popular each year. Long vacations are now generally considered uneconomical from the educational as well as from the social and industrial points of view. Most colleges and universities have made the summer term an integral part of the regular college organization with equal standards for academic accomplishment. The courses offered in McPherson College Summer School are similar and in most instances identical with those offered in the regular semesters.

The summer session provides opportunities for students and teachers to pursue work toward the realization of the following objectives:

(1). The wise investment of a part of the summer in study enables the student to complete work required for a Bachelor's degree in three years.

(2). To adjust irregularities in courses and fulfill group and major requirements.

(3). To qualify for advanced grade of certificates.

(4). To complete the requirement in practice teaching.

(5). To meet requirements for renewal of various types of certificates.

(6). To keep constantly growing in the teaching profession. This must be the primary qualifications of all progressive teachers.

(7). To review the common branches in preparation for the county examinations.

For Bulletin describing the work of the Summer School, address—

THE REGISTRAR,  
McPherson College,  
McPherson, Kansas.

## COLLEGE STUDENTS 1932-1933

## SENIORS

Austin, Charles	Fruita, Colo.
Brown, Esther	Hutchinson, Kansas
Brunk, Ada	McPherson, Kansas
Buskirk, Raymond	Latham, Kansas
Crist, Genevieve	Quinter, Kansas
Crist, Odessa	Quinter, Kansas
Dresher, Donald	Canton, Kansas
Dresher, Dorothy	Canton, Kansas
Dresher, Florence	Canton, Kansas
Early, Milton	Northorne, Mo.
Evans, Clarice	McPherson, Kansas
Fowler, Bernice	Worthington, Minn.
Gottmann, Lillian	Center, Mo.
Griffis, Greta Willma	McPherson, Kansas
Hanks, A. W.	McPherson, Kansas
Heckman, Grace	McPherson, Kansas
Holzomer, Elizabeth	McPherson, Kansas
Johnson, Lillian	McPherson, Kansas
Kelly, Delbert	Liberal, Kansas
Landes, Melvin	Hamlin, Kansas
Larsen, Lloyd	Abilene, Kansas
Nickel, Hope	Wichita, Kansas
Nigh, Ruth	McPherson, Kansas
Nyquist, Millicent	McPherson, Kansas
Peterson, Clara	McPherson, Kansas
Rhoades, Vernon	Topoka, Kansas
Rock, Loren	Enterprise, Kansas
Rump, Elsie	Conway, Kansas
Shank, Harvey	Carthage, Mo.
Steinberg, Ellen	Lorraina, Kansas
Stucky, Milo	Elyria, Kansas
Walker, Pearl	Omaha, Nebr.
Williams, Ward	Egeland, N. Dak.
Zinn, George	McPherson, Kansas

## JUNIORS

Barber, Amelia	McPherson, Kansas
Barber, Frances	McPherson, Kansas
Bowers, Corrine	McPherson, Kansas
Bowman, Elizabeth	Quinter, Kansas
Bowman, Robert	Quinter, Kansas
Bradshaw, Delvis	Waldo, Kansas
Campbell, Charlotte	McPherson, Kansas
Carlson, Edwin	Little River, Kansas
Carr, Wayne	Batavia, Iowa
Crumpacker, Franz	McPherson, Kansas

Dahlinger, Mildred	McPherson, Kansas
Edwards, Lois	Twin Falls, Idaho
Fasocchi, Everett	Wiley, Colo.
Groves, Audrey	McPherson, Kansas
Harris, Blanch	Nampa, Idaho
Hastings, Paul	Partridge, Kansas
Hayes, Guy	Geneseo, Kansas
Hoover, Golub	Quinter, Kansas
Kurtz, Wheeler	Chicago, Ill.
Ledell, Marcolis	McPherson, Kansas
Lytle, Clinton	McPherson, Kansas
Miller, Mary	Waterloo, Iowa
Minear, Cleo	Canton, Kansas
Nettleton, Warner	Lewiston, Minn.
Pote, Lester	Ripley, Okla.
Richards, Alex	Waldo, Kansas
Ring, Una	McPherson, Kansas
Sherfy, Paul	Hampton, Iowa
Stevens, Vivian	McPherson, Kansas
Suter, Corrine	South English, Ia.
Thompson, Marianna	McPherson, Kansas.
Wine, Leta	Enders, Nebr.
Wine, Newell	Enders, Nebr.
Yoder, Wilbur	Waterloo, Iowa

## SOPHOMORES

Anderson, Arlene	McPherson, Kansas
Anderson, Eugene	McPherson, Kansas
Andes, Martha	Mound City, Mo.
Austin, John	McPherson, Kansas
Barber, Marjorie	McPherson, Kansas
Barngrover, Lawrence	McPherson, Kansas
Bean, Agnes	McPherson, Kansas
Beard, Elaine	McPherson, Kansas
Bechtelheimer, Edith	Sabetha, Kansas
Blume, Wayne	Summerfield, Kansas
Brown, Marjorie	McPherson, Kansas
Burkholder, Vera	Bellwood, Nebr.
Carpenter, Russell	Sabetha, Kansas
Dappen, Marlene	McPherson, Kansas
Dresler, Bernice	McPherson, Kansas
Duncanson, David	Lewiston, Minn.
Eddy, Orval	Lewiston, Minn.
Ellis, Fred	McPherson, Kansas
Fearey, Dorothy	Anness, Kansas
Ferris, Maxine	Conway, Kansas
Fisher, Merle	Fruitland, Idaho
Flora, LaVern	Quinter, Kansas
Frantz, Harry	Rocky Ford, Colo.
Frantz, Royal	Fruits, Colo.



Geering, John	Elyria, Kansas
Hammann, Glen	McPherson, Kansas
Hawkins, Lola	Tampa, Kansas
Hedge, Alice	Kingsdown, Kansas
Hobart, Ruth	Oklahoma City, Okla.
Hughes, Hobart	Bartlesville, Okla.
Hurst, Martha	Cassoday, Kansas
Idle, Ruth	Hope, Kansas
Ketterman, Faith	Abilene, Kansas
Kitahl, Henry	McPherson, Kansas
Kraus, Gordon	Tampa, Kansas
Lackey, Lois	Fruitland, Idaho
LaFever, Robert	Galva, Kansas
Laraw, Grace	Portia, Kansas
Lewis, Lotte	Galva, Kansas
Lindholm, Archie	McPherson, Kansas
Lindholm, Elsie	McPherson, Kansas
Miller, Burr	McPherson, Kansas
Minter, Cleason	Abilene, Kansas
Moore, Kenneth	Texhoma, Okla.
Marrison, Lorene	Roxbury, Kansas
Mellnay, Jane	Polo, Illinois
Nelson, Paul	McPherson, Kansas
Nickel, Etta	McPherson, Kansas
Ogden, Galen	Unionville, Iowa
Oliver, Margaret	McPherson, Kansas
Oxley, Zeha	Wiley, Colo.
Paula, Walter	Inman, Kansas
Pete, Esther	Ripley, Okla.
Pray, Mildred	Hope, Kansas
Reinacker, Harold	Quinter, Kansas
Riddell, Gladys	McPherson, Kansas
Ring, Maxine	McPherson, Kansas
Robertson, James	Galva, Kansas
Sallee, Harold	Elkhart, Kansas
Spilman, Ruth	Gypsum, Kansas
Stank, Eimer	Sylvia, Kansas
Stansel, Marcella	McPherson, Kansas
Stoner, Samuel	Lagoda, Illinois
Suttle, Bernard	Yakima, Wash.
Sweetland, Ralph	McPherson, Kansas
Taylor, Arnold	Arlington, Kansas
Urrub, Alice	McPherson, Kansas
Wampler, Arlene	McPherson, Kansas
Webb, Glen	McPherson, Kansas
Weddle, Walter	Bloom, Kansas
Whitcher, Carrol	Falforrias, Texas
Wiggins, Leonard	Geneseo, Kansas

## FRESHMEN

Abel, Leland	McPherson, Kansas
Anderson, Chester	McPherson, Kansas
Barngrover, Phyllis	McPherson, Kansas
Bengtson, Edna	McPherson, Kansas
Benhardt, Leona	Rayona, Kansas
Bonham, Dorothy	McPherson, Kansas
Boca, Paul	McPherson, Kansas
Boyer, Oneita	Hutchinson, Kansas
Brammell, Willard	Ozawkie, Kansas
Brooks, Robert	McPherson, Kansas
Brubaker, Price	Prairie City, Iowa
Buckingham, Ralph	Prairie City, Iowa
Carlson, Elrac	Little River, Kansas
Christiansen, Ruth	McPherson, Kansas
Colburn, Bill	McPherson, Kansas
Cornelius, Alberta	Waterloo, Iowa
Custer, Gerald	Quinter, Kansas
Davis, Pascal	McPherson, Kansas
Deardorff, Ruth	Eikhart, Iowa
Decker, Paulino	McPherson, Kansas
Edwards, Merland	Twin Falls, Idaho
Egbert, Alice	Abilene, Kansas
Enberg, Leland	McPherson, Kansas
Evans, Donald	McPherson, Kansas
Evans, Raymond	McPherson, Kansas
Feiler, Ezra	Perryton, Texas
Fields, Laurel	McPherson, Kansas
Follmer, Cleora	Buffalo, Kansas
Follmer, Willie	Buffalo, Kansas
Fry, Lois	Morrill, Kansas
Fuchs, Anna	McPherson, Kansas
Groves, Mary Jane	McPherson, Kansas
Hauser, Margaret	Marion, Kansas
Hansen, Edna	Amelia, Nebr.
Hanson, Rosaline	McPherson, Kansas
Hart, Albert	Dennis, Kansas
Heaston, Nellie	Liberty, Nebr.
Hockman, Ann	Rocky Ford, Colo.
Hockman, Raul	McPherson, Kansas
Heithecker, Leland	McPherson, Kansas
Houser, Orlen	McPherson, Kansas
Jamison, Rufus	Quinter, Kansas
Johnson, LeNora	Galva, Kansas
Johnston, Chester	McPherson, Kansas
Johnston, Harold	McPherson, Kansas
Juifis, Betty	McPherson, Kansas
Kauffman, Bruce	McPherson, Kansas
Kauffman, Modena	Topka, Kansas

Kauffman, John	Abilene, Kansas
Keeth, Roy	McPherson, Kansas
Lichty, Glen	Sabetha, Kansas
Mathes, Eldred	McPherson, Kansas
Matson, Dorothy	McPherson, Kansas
Meyers, Gerald	Merrill, Kansas
McChristy, Joyce	McPherson, Kansas
Nace, Fred	Dwight, Kansas
Nelson, Ruth	McPherson, Kansas
Overholt, Don	Ellinwood, Kansas
Replogle, Herbert	Rossville, Indiana
Replogle, Ralph	Rossville, Indiana
Richwine, Lola	Froid, Montana
Saylor, Norman	Merrill, Kansas
Schwartz, Margaret	McPherson, Kansas
Seilberg, Mildred	McPherson, Kansas
Severtson, Narcella	Galva, Kansas
Severtson, Verna Mae	Galva, Kansas
Shank, Marjorie	Bowmont, Idaho
Shelty, Lois	Ollie, Iowa
Shirk, Leone	Ramona, Kansas
Sink, Clarence	Carleton, Nebr.
Stegeman, Esther	Hope, Kansas
Stryker, Mabel	Haxton, Colo.
Stutzman, Pauline	Thomas, Okla.
Sweetland, Ernest	McPherson, Kansas
Tice, Raymond	Summerfield, Kansas
Tice, Ruth	Summerfield, Kansas
Vetter, Ronald	Moundridge, Kansas
Wagoner, Elizabeth	McPherson, Kansas
Wagoner, Josephine	McPherson, Kansas
Walstrom, Donald	McPherson, Kansas
Webber, Helen	Hazine, Kansas

## FINE ART STUDENTS

Allison, Ann	McPherson, Kansas
Allison, Ann Janet	McPherson, Kansas
Allison, Francis	McPherson, Kansas
Allison, Mildred	McPherson, Kansas
Angevine, Julia	McPherson, Kansas
Aspegren, Gladys	McPherson, Kansas
Beard, Mildred	McPherson, Kansas
Boos, Marjorie	McPherson, Kansas
Carlson, Madelynn	McPherson, Kansas
Carpenter, Ann Jeanette	McPherson, Kansas
Christiansen, Juanita	McPherson, Kansas
Coons, Frances	McPherson, Kansas
Crary, Ruth	McPherson, Kansas
Crawford, Hazel	McPherson, Kansas
Dahlinger, Benita	McPherson, Kansas

Doll, Glennys	McPherson, Kansas
Fanning, Mary	McPherson, Kansas
Feldt, Viola	McPherson, Kansas
Felton, Theda	Great Bend, Kansas
Ferguson, Don	McPherson, Kansas
Ferguson, Jimmie	McPherson, Kansas
Foster, Kathleen	McPherson, Kansas
Fraser, Roger	McPherson, Kansas
Fries, Arthur	McPherson, Kansas
Fries, Mildred	McPherson, Kansas
Fries, Ramona	McPherson, Kansas
Pullager, Maxine	McPherson, Kansas
Gallo, Sadie Ann	McPherson, Kansas
Hamburg, Reta	McPherson, Kansas
Hammann, Audrey	McPherson, Kansas
Hawkinson, Inez	McPherson, Kansas
Hawkinson, Mary L.	McPherson, Kansas
Hiebert, Merrill	McPherson, Kansas
Holzemer, Mary J.	McPherson, Kansas
Horn, Evelyn	McPherson, Kansas
Jackson, Marjorie	McPherson, Kansas
Jones, Edward	Canon, Kansas
Luckey, Ruthie Jean	McPherson, Kansas
Lindblom, Autumn	McPherson, Kansas
Lingenfelter, Ruth	McPherson, Kansas
Lohrentz, Lois	McPherson, Kansas
Lohrentz, Walter	McPherson, Kansas
Mattox, John	McPherson, Kansas
Miner, Warren	McPherson, Kansas
Mingenbeck, Julia	McPherson, Kansas
Mobler, Richard	McPherson, Kansas
Marine, Blanch	McPherson, Kansas
Mullins, Anita	McPherson, Kansas
Mullins, Julia	McPherson, Kansas
Murrey, Lela	McPherson, Kansas
Murry, Mary Sue	McPherson, Kansas
McCoy, Frederick	McPherson, Kansas
McFall, Kathleen	McPherson, Kansas
McInteer, Marjorie	McPherson, Kansas
McQuiston, A. J. Mrs.	McPherson, Kansas
Nelson, Edna	McPherson, Kansas
Oberlind, Marg' etta	McPherson, Kansas
Palmer, Tessabelle	McPherson, Kansas
Pattison, Rosemary	McPherson, Kansas
Peden, Hazel Mae	McPherson, Kansas
Peterson, Caroline	McPherson, Kansas
Peterson, Estyre	McPherson, Kansas
Quiring, Virginia	McPherson, Kansas
Rape, Mary	McPherson, Kansas

Riechert, Anna	Moundridge, Kansas
Risbel, Hattie	Galva, Kansas
Risbel, Mrs. Mary	Galva, Kansas
Roberts, Kathleen	McPherson, Kansas
Rolander, Arthur	McPherson, Kansas
Runyan, Margaret	McPherson, Kansas
Saylor, Arlene	McPherson, Kansas
Schmidt, John	Buhler, Kansas
Schwalm, Betty	McPherson, Kansas
Sheehan, Emma	McPherson, Kansas
Spencer, Lucille	McPherson, Kansas
Stucky, Linda	McPherson, Kansas
Stucky, Mae	McPherson, Kansas
Stucky, Sarah	McPherson, Kansas
Tillman, Dorothy Mae	McPherson, Kansas
Uhrlaub, Carolee	McPherson, Kansas
Vetter, Joyce	Moundridge, Kansas
Voshell, Lorenz	McPherson, Kansas
Voth, Arnold	Buhler, Kansas
Walter, Johnny	McPherson, Kansas
Weaver, Olive	McPherson, Kansas
Westling, John	Conway, Kansas
Westling, Virgil	Conway, Kansas
Witteinan, Ella May	McPherson, Kansas
Zimmerman, Era June	McPherson, Kansas

## SPECIAL STUDENTS

Bartles, Roy	McPherson, Kansas
Friessen, John	Buhler, Kansas
Harnly, John	McPherson, Kansas
Horn, Luther	McPherson, Kansas
Johansen, Chris	Chicago, Ill.
Johnson, Alfred	McPherson, Kansas
Johnson, Rudolph	McPherson, Kansas
Voth, Cornelius, Jr.	Goessel, Kansas

## SUMMER SCHOOL STUDENTS

## SUMMER 1932

Abel, Gertrude	McPherson, Kansas
Allison, Mildred	McPherson, Kansas
Aiken, Rosalind	McPherson, Kansas
Anderson, Bernice	Canton, Kansas
Angevine, Julia	McPherson, Kansas
Austin, John	McPherson, Kansas
Beard, Mildred	McPherson, Kansas
Blair, Maurine	McPherson, Kansas
Booz, Marjorie	McPherson, Kansas
Borgstrom, Mabel	McPherson, Kansas
Boston, Faye	Marquette, Kansas

Bowers, Corrine	McPherson, Kansas
Brooks, Dorothy	McPherson, Kansas
Brunk, Violet	McPherson, Kansas
Campbell, Charlotte	McPherson, Kansas
Carlson, Elva	Little River, Kansas
Carlson, Geneva	McPherson, Kansas
Carlson, Madelynn	McPherson, Kansas
Carpenter, Ann Jeanette	McPherson, Kansas
Clary, Hobart	Elk City, Kansas
Coopridge, Pauline	Windom, Kansas
Crabb, Lucille	McPherson, Kansas
Crabb, Milford	McPherson, Kansas
Crawford, Hazel	McPherson, Kansas
Crist, Norma	Marquette, Kansas
Crumpacker, Isabel	McPherson, Kansas
Crumpacker, Frank	McPherson, Kansas
Dappen, Marlene	McPherson, Kansas
Diggs, Vera Flora	Quinter, Kansas
Downing, Cleo	Geneseo, Kansas
Drake, Marie	Abilene, Kansas
Dresler, C. H.	McPherson, Kansas
Ely, Lois	Inman, Kansas
Evans, Clarice	McPherson, Kansas
Evans, Dorothy	McPherson, Kansas
Fanning, Mary	McPherson, Kansas
Ferguson, James	McPherson, Kansas
Fields, Autumn	McPherson, Kansas
Fields, Rosalie	McPherson, Kansas
Fischer, Rudolph	Hudson, Kansas
Fleming, Pauline	McPherson, Kansas
Flores, Ina Gray	McPherson, Kansas
Frisbie, Jeanette	Ruxbury, Kansas
Gallagher, Catherine	Solomon, Kansas
Goering, Mabel	Galva, Kansas
Goudy, Mabel	Marksville, Kansas
Griffes, Dorothy	Lyons, Kansas
Griffis, Gretta Wilma	McPherson, Kansas
Hamilton, Donna Merle	McPherson, Kansas
Hammann, Audrey	McPherson, Kansas
Hawkinson, Mary L.	McPherson, Kansas
Huckman, Paul D.	McPherson, Kansas
Heidebrecht, Mrs. C. O.	Inman, Kansas
Heidebrecht, Tilly	Buhler, Kansas
Helm, Juliana Juana	McPherson, Kansas
Hobart, Ruth	McPherson, Kansas
Hodge, Kenneth	McPherson, Kansas
Hohner, Clara	St. John, Kansas
Holzner, Elizabeth	McPherson, Kansas
Holzner, Mary Jo	McPherson, Kansas

Horn, Evelyn	McPherson, Kansas
Horn, Luther	McPherson, Kansas
Ibrig, Prudence	McPherson, Kansas
Jackson, Marjorie	McPherson, Kansas
Jacobson, Mrs. Marian	Roxbury, Kansas
Jeffers, Gladys	McPherson, Kansas
John, Ruie	Marquette, Kansas
Johnson, Edith	Marquette, Kansas
Johnson, Lillian	McPherson, Kansas
Johnson, Zorada	Lindborg, Kansas
Kaufman, Edna	Galva, Kansas
Keesling, Hattie	Chase, Kansas
Kessinger, Muriel	Mulvane, Kansas
Kim, Bertha	Buhler, Kansas
Kittell, Helen	McPherson, Kansas
Kittell, Mary	McPherson, Kansas
Lam, Hazel	Kingman, Kansas
Lehman, Lawrence	Guthrie, Okla.
Lesovsky, Helen	Cuba, Kansas
Lindberg, G. W.	Galva, Kansas
Loder, Viola	Marquette, Kansas
Lohrentz, Lois	McPherson, Kansas
Lohrentz, Walter	McPherson, Kansas
Long, Gertrude	Chase, Kansas
Loper, O. P.	Athol, Kansas
Mast, Clara Fern	McPherson, Kansas
Mattox, John	McPherson, Kansas
Mawhirter, Celia	St. John, Kansas
Miller, Richard	Noundridge, Kansas
Mingenback, Julia	McPherson, Kansas
Minter, Cleason	Abilene, Kansas
Mohler, Elizabeth	McPherson, Kansas
Morine, Blanch	McPherson, Kansas
Mugler, Minnie	McPherson, Kansas
Mullins, Anita	McPherson, Kansas
Mullins, Julia	McPherson, Kansas
Murrey, Lola	McPherson, Kansas
Muse, Elsie	McPherson, Kansas
McDonald, Lola	McPherson, Kansas
McGill, Wallace	Waldo, Kansas
Oberst, Mildred	Soddy, Tenn.
Ohmart, Bernadine	Conway, Kansas
Ohmart, Verle	McPherson, Kansas
Pair, Ruby	McPherson, Kansas
Pankrats, B. F.	Burr Oak, Kansas
Pattison, Rosemary	Hillshoro, Kansas
Peden, Hazel Mae	McPherson, Kansas
Peters, George	McPherson, Kansas
Peterson, Clara	Croveland, Kansas
	McPherson, Kansas

Peterson, Eleanor	Conway, Kansas
Peterson, Ealyre	McPherson, Kansas
Peterson, Viola	McPherson, Kansas
Quiring, Virginia	McPherson, Kansas
Rape, Mary	McPherson, Kansas
Richards, Elizabeth	Waldo, Kansas
Richards, Laura Jane	McPherson, Kansas
Roberts, Kathleen	McPherson, Kansas
Roberson, Minnie	Haven, Kansas
Rock, Clarice	Enterprise, Kansas
Ruehlen, Billie	McPherson, Kansas
Runyan, Margaret	McPherson, Kansas
Saylor, Arlene	McPherson, Kansas
Schwalm, Betty	McPherson, Kansas
Schrag, Clarence	Moundridge, Kansas
Schrag, Orlia	Moundridge, Kansas
Schwartz, Margaret	McPherson, Kansas
Sellberg, Mrs. Agnes Henkle	McPherson, Kansas
Shackelford, Sylvia	Arlington, Kansas
Sheehan, Emma	McPherson, Kansas
Sheffer, Gwendolyn	McPherson, Kansas
Sherman, Maude	Turon, Kansas
Smith, Charles	McPherson, Kansas
Smith, Walton	McPherson, Kansas
Stucky, Linda	McPherson, Kansas
Stump, Nora	Waco, Texas
Uhrlaub, Carolee	McPherson, Kansas
Vetter, Ronald	Moundridge, Kansas
Vetter, Joyce	Moundridge, Kansas
Voshell, Doris	McPherson, Kansas
Voshell, Lorene	McPherson, Kansas
Wagoner, Elizabeth	McPherson, Kansas
Wagoner, Josephine	McPherson, Kansas
Ward, Gerald	Preston, Kansas
Webber, Helen	Bazine, Kansas
Webb, Dorothy	Conway, Kansas
Wedel, Martha	Moundridge, Kansas
Wedel, Marie	Galva, Kansas
Wegman, Nadine	Conway, Kansas
Westling, John	Conway, Kansas
Westling, Virgil	Conway, Kansas
Zimmerman, Era June	McPherson, Kansas
Zimmerman, Mary	McPherson, Kansas
Zimmerman, Ruth	Buhler, Kansas
Zumbram, Mary Ann	McPherson, Kansas

## SUMMARY OF STUDENT ATTENDANCE

## Liberal Arts:

Seniors	34
Juniors	34



## McPHERSON COLLEGE

<b>Sophomores</b> .....	73
<b>Freshmen</b> .....	81
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	154
<b>Fine Arts</b> .....	39
<b>Specials</b> .....	6
	<hr/>
	167
<b>Summer School, 1932</b> .....	154
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<b>Total for Year 1932-1933</b> .....	482