

SERIES XI

FEBRUARY, 1922

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McPHERSON COLLEGE
CATALOGUE NUMBER

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McPHERSON, KANSAS

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BOARD OF TRUSTEES

President D. W. Kurtz, Ex-officio.

TERM EXPIRES 1923

Northern Missouri Elder E. G. Rodabaugh, Stet.
Oklahoma.....Elder J. E. Small, Oklahoma, City
Northwestern Kan. and Northeastern Colo., Elder
G. W. Burgin, Burr Oak, Kan.
S. W. Kan. and S. E. Colo. Elder J. J. Yoder, McPherson,
Kan. and W. R. Bish, Rocky Ford, Colo.

TERM EXPIRES 1922

Northeastern KansasNorman Saylor, Morrill
Southeastern KansasGideon E. Shirky, Madison
Middle Missouri ..Elder W. W. Holsopple, Versailles
S. W. Kan. and S. E. Colo., H. J. Harnly, McPherson,
Kan. and R. C. Strohm, McPherson, Kan.
Alumni Trustee ...Elder W. H. Yoder, Morrill, Kan.

TERM EXPIRES 1921

Western Colorado and Utah, Elder S. Z. Sharp,
Fruita, Colorado.
Southern Missouri
.....Elder W. R. Argabright, Fairview
Nebraska.....J. S. Gabel, Lincoln, Neb.
Idaho and W. Montana, S. A. Rhodes, Nampa, Idaho.
S. W. Kan. and S. E. Colo., F. A. Vaniman, McPherson,
Kan. and J. N. Dresher, McPherson, Kan.

EXECUTIVE COMMITTEE OF THE BOARD

Elder J. J. YoderPresident
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President D. W. Kurtz, Ex-officio, R. C. Strohm,
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H. J. Harnly Secretary

J. H. Fries Assistant Treasurer

President D. W. Kurtz, Ex-officio, R. C. Strohm,

J. N. Dresher.

FACULTY FOR 1922-1923

(Arranged with the exception of the President, in order of seniority of membership.)

DANIEL WEBSTER KURTZ, A. M., B. D., D. D.

A. B., 1905, (Juniata College); B. D., *magna cum laude* 1908; A. M., 1908 (Yale); student in universities of Leipzig, Berlin, and Marburg; professor of Greek, 1909-1910, (Juniata College); D. D., 1911, (Juniata College); pastor First Church of the Brethren, Philadelphia, 1910-1914. President of the College, Professor of Philosophy, and Dean of the Bible School, 1914.*

HENRY JACOB HARNLY, B. S., A. M., Ph. D.

B. S., 1891; A. M., 1892, (Illinois Wesleyan); A. B., 1892, (Harvard); Ph. D., 1900, (Illinois Wesleyan); Special student in Leland Stanford Junior University, 1910-1911; World Tour, 1920-1921. Dean of the College and Professor of Physiology and Bionomics, 1911; 1892.

AMANDA FAHNESTOCK, A. B., B. D.

B. S. L., 1903; A. B., 1916; B. D., 1917 (McPherson College.) Instructor in Bible; Dean of Women, 1920; 1912.

ELMER LeROY CRAIK, A. M.

A. B., 1910; A. M., 1911, (McPherson College). Graduate student in University of Kansas, 1915 to 1917; A. M., 1916 (University of Kansas.) Professor of History and Political Science; Secretary of the Faculty, 1914, 1910.

JOSEPH J. YODER, A. B.

A. B., 1913, (McPherson College). World Tour, 1920-1921. Professor of the Bible and Social Science. Business Manager of the College, 1911.

JOHN ALVIN BLAIR, A. M.

A. B., 1917; A. M., 1918 (University of Kansas.) Professor of Education and Psychology; Registrar 1918; 1911.

ELLIS M. STUDEBAKER, A. M.

A. B., 1915, (McPherson College); A. M., 1921 (University of Chicago.) Professor of Greek and N. T. Interpretation and Director of Religious Extension, 1911.

ROBERT ELLSWORTH MOHLER, M. S.

B. S. D., 1907 (McPherson College) A. B., 1912, (Mt. Morris College); Michigan Agricultural College, 1913; M. S., 1917, (Kansas State Agricultural College); Professor of Agriculture, 1913; Dean of Men.

*The first date indicates the year of appointment to present position; the second denotes the year of first connection with the faculty, when such is not indicated by the one date.

BARTEL EDWARD EBEL, A. M.

A. B. 1909 (McPherson College); A. M. 1910 (University of Kansas). Professor of Latin and Greek, McPherson College, 1905-1909. Graduate student in Harvard University, on Austin scholarship, 1914-1915.
Professor of Ancient and Modern Languages, 1920, 1905.

MINNIE WALTERS, B. S.

B. S., 1910, (Oklahoma A. and M. College).
Professor of Home Economics, 1914.

****WILLIAM O. BECKNER, A. M.**

A. B., 1909; A. M., 1915, (McPherson College.)

JESSIE BROWN, B. M.

Diploma from Bethany Conservatory, 1907; B. M., 1910, (Bethany); Piano instructor in Bethany, 1908-1913; Student in Royal Conservatory, Leipzig, Germany, 1913-1914.
Director of Piano School, 1916.

J. HOWARD FRIES

Graduate Cambrian Business College, Johnstown, Pa., 1913; completed course in Business Writing, Zanerian in 1914; summers of 1915 and 1916, student in New York University; taught in South Fork High School, Pa., 1912-13. Worcester (Mass.) Business Institute, 1913-'15; principal Commercial Department, Elizabethtown College, 1915-'16; Superintendent of Commercial School; Assistant Business Manager, 1920; 1916.

AMMON SWOPE, A. M.

A. B., 1912 (Mount Morris College); A. M., 1914, (University of Chicago); Instructor in Physics, Mount Morris College, 1912-1913; Instructor in Industrial Education, University of Chicago, summer 1914; Teacher in Industrial Education, Montana State College, summer 1914; Superintendent Manual Training, Jefferson County High School, Boulder, Montana, 1914-1916.
Professor of Industrial Education, 1916.

CHARLES STEPHEN MORRIS, A. M.

A. B. 1913, (Manchester College); Professor of Physics and Chemistry, Blue Ridge College, 1913-1914; Graduate Assistant in Physics, Ohio State University, 1914-1915; A. M., 1915, (Ohio State University); Graduate student, University of Chicago, summer 1916; Professor of Mathematics and Physics, Mount Morris College, 1915-1917.
Professor of Mathematics and Physics, 1927.

**Absent on leave.

JOHN WILLARD HERSHEY, M. S.

B. S., 1907; M. S., 1910 (Pennsylvania College); Graduate student in Harvard, Johns Hopkins and Chicago. Professor of Chemistry, 1918.

JOHN WILBY DEETER, A. B., B. D.

A. B., 1913, (McPherson College); B. D., 1918, (Yale University). Professor of Theology, 1918.

MARY EDITH McGAFFEY, A. M.

A. B., 1918 (McPherson College); A. M., 1919 (University of Kansas).

Professor of English, 1919.

MRS. J. W. DEETER, B. S. D.

B. S. D., 1913, (McPherson College); Student in Charcoal and China Painting (1916-1918) in New Haven, Conn.; Special student in Art, Chicago, summer 1919. Instructor in Art, 1919.

MAURICE A. HESS, A. M.,

Graduate Cumberland Valley Normal, 1908; A. B., 1914 (Ursinus College); A. M., 1917 (University of Pa.). Principal of Academy, 1921; 1919.

ALVHH RAY LAUER, B. M.,

Graduate (1917) of four year course, Palmer College Conservatory, Albany, Mo. One summer with Wort S. Morse, Kansas City, Mo. One summer with Arcule Sheasby, Highland Park College, Des Moines, Ia. Post graduate work (1917-1918 and 1919-1920) under Arthur E. Uhe, Bethany College, Lindsborg, Kan. Four months under Armand Parent at Schola Cantorum, Paris. Composition under Vincent d'Indy, Paris. Two years assistant instructor of Violin, Palmer College. One summer head of Violin department, Creston School of Music, Creston, Ia.

Professor of Violin, 1919.

HARVEY HARLOW NININGER, A. M.

A. B., 1914 (McPherson College); A. M., 1918 (Pomona College.) Professor of Biology and Curator of the Museum, 1920.

ALMA GLADYS ANDERSON, A. B.

A. B., 1920 (McPherson College).
Instructor in English, 1921.

PAULINE VANIMAN, B. M.

B. M., 1917 (McPherson College); B. M., 1919 (Bethany College); student in Oberlin Conservatory, 1920-1921.
Instructor in Piano and History of Music.

E. J. UNRUH

Instructor in Shorthand and Typewriting, 1921.

FORREST WILLIAM GAW

Diploma from David Grosch School of Music, Kansas City, Mo., 1918; Private instructor three years; Student in New York under A. Phillips, Madame Valeri, and Frederick Cheeswright.
Director of the Vocal School, 1921.

LOLA M. HILL, A. B.

A. B., 1921 (McPherson College.)
Instructor in German and English, 1921.

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

A. B., 1916, B. D., 1920, (McPherson College.)
College Evangelist, 1915.

MRS. HAZEL AUSTIN, A. B.

A. B., 1920, (McPherson College.)
Evangelistic Singer, 1915.

(To be supplied)

Librarian.

LORA TROSTLE

Matron, 1915.

ARTHUR C. LONBORG, LL. B.

LL. B., 1921, (University of Kansas); Assistant Coach University of Kansas; Coach, 1921.

RAY S. WAGONER

Field Secretary, 1921.

COMMITTEES OF THE FACULTY

(The member whose name appears first is in each instance the chairman, and the President of the College is ex-officio a member of all committees.)

Administration—Kurtz, Yoder, Harnly

Publications—Craik, Blair, McGaffey,

Classification and Curriculum—Harnly, Blair,
Craik.

Library—Craik, Nininger, Hess.

Athletics—Mohler, McGaffey, Fries.

Advertising—Wagoner, Blair, Yoder.

Social—Swope, Mrs. Deeter, the Matron.

Discipline—Yoder, Harnly, Mohler, the Matron.

Student Welfare—Morris, Hershey, Fahnestock.

Literary Societies—Ebel, Hess, Anderson.

Appointments—Blair, Swope.

Student Council—Swope, Hershey.

Health—Nininger, Harnly, Walters.

Schedule—Morris, Craik.

Chapel—Deeter, Hershey, Studebaker.

Lecture Course—Kurtz.

Director of Religious Extension—Studebaker.

Registrar—Blair.

GENERAL INFORMATION

LOCATION AND ACCESSIBILITY

McPherson, Kansas, is not far from the center of the state whose geographical and material advantages have been made famous in Governor Hoch's celebrated metaphor, "The rich, juicy meat in the heart of the national sandwich." It is a thriving little city about five 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 waving 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 through trains between Chicago and California, passes through it. 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 at El Dorado and Newton.

The College is beautifully situated on an elevation at the eastern end of Euclid street, the principal east and west thoroughfare of the city. The campus is dotted with growing maples, elms and evergreens, and is far enough from the center of business to insure an environment most favorable to student life.

East Euclid Street is paved up to the campus with asphaltic concrete pavement, which makes it one of the favorite driveways of the city.

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.

IMPORTANT DATES

- 1887—School Committee appointed at Annual Conference.
- 1888—Fahnestock Hall built and foundation laid for Sharp Administration building.
- 1888—School opened.
- 1895—Reorganization.
- 1898—Sharp Administration building completed.
- 1898—Institution named "McPherson College."
- 1906—Carnegie Library built.
- 1909—College farm bought.
- 1909—James Richardson donated farm for agricultural purposes.
- 1911—Alumni gymnasium built.
- 1912—Board of Trustees increased to 15.
- 1913—Election of Trustees by District Conferences.
- 1913—Departments of Agriculture and Home Economics organized.

- 1915—New Heating Plant built.
1916—Arnold Hall built.
1917—Completion of \$225,000 endowment.
1919—Erection of second dormitory for ladies.
1921—Accredited with North Central Association
of Colleges and Secondary Schools.
1921—December 21, Contract let for Science Hall.

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 Presi-
dent.)
Daniel Webster Kurtz, A. M., B. D., D. D., 1914.

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 and S. E. Colorado, N. E. Kansas, S. E. Kansas, N. W. Kansas and N. E. Colorado, Nebraska, Northern Missouri, Middle Missouri, Southern Missouri, Oklahoma, Western Colorado and Utah, and Idaho and Western Montana. The trustees, seventeen 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 supervision of the school. The president of the col-

lege is ex-officio a member of the Board. The Alumni of the college elect one member of the Board.

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. However, 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.

The institution stands definitely for the doctrine of "The Simple Life." Modesty in dress and deportment, general simplicity of life, the dignity of all honest labor, are popular ideas. No aristocracy, save that of character, is known.

BRETHREN EDUCATIONAL BOARD

The Annual Conference has appointed a General Educational Board of five members. Committees of the Board are sent to each of the Brethren schools to promote co-operation between the church and the schools. The visit of the committee has always been helpful to our school.

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. It is freer than the average city or town from vices which are likely to prove pitfalls for young people. McPherson depends for its prosperity upon the rich agricultural community which surrounds it, and consequently, the city is free from the less desirable classes of inhabitants. It is an ideal college town; just the kind of place in which it is a pleasure to live, and to which it is safe for parents to send their sons and daughters.

In the college, chapel exercises are held each school day, and regular evening devotions in the dormitory. The morning watch is observed, and systematic daily Bible study pursued by many. There are Sunday School and two preaching services in the college chapel 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

SHARP 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, society hall, the book room, the Administration offices, and the music studios.

FAHNESTOCK 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 and electric lights. Water can be had on any of the three floors. There is a well furnished lobby on the first floor. There are baths and lavatories on each floor. In accordance with the state law, fire escapes are conveniently arranged on the building.

ARNOLD HALL.

The Ladies' 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 with large closets and are furnished with comfortable and substantial furniture. This is an ideal home for the girls.

KLINE HOME

This is the seventh building to be erected on the campus. It is a commodious three story brick building and contains seven suites of two rooms each and eleven single rooms. It is modern in every respect.

ALUMNI GYMNASIUM.

The Gymnasium was erected in 1911. It is a cement block building, 48x76 feet, with basement, main floor and gallery.

LIBRARY

The Carnegie Library, erected in 1906, is a two-story building. There are about 7,000 books besides

pamphlets and magazines in the stack rooms. The reading rooms are amply equipped for the needs of students. They are furnished with mission furniture, and the walls decorated with pictures donated by the King of Italy. Additional shelving has been put in convenient to study tables, providing room for reference books for the various departments. During the year many volumes have been added, practically all being the latest and best in each department. The library is especially well-equipped in reference and encyclopedic works and card indexes and the entire library is catalogued by the Dewey Universal System, thus making it easily and readily available. The Readers' Guide Index to periodical literature has also been added. The library hours are from 8:00 a. m. to 5:30 p. m., every day except Saturday and Sunday, and from 1:30 to 5:30 p. m. on Saturday.

THE MUSEUM

H. H. Nininger, Curator.

The Museum contains specimens of birds, mammals, insects, fossils, corals, relics of aboriginal peoples of America, and other miscellaneous materials, which acquaint the student or visitor with the world in which we live, both past and present. The College is dependent largely upon its friends for the enlargement of these collections and solicits donations, for which due recognition will be given.

McPHERSON COLLEGE FARM

The College Farm, consisting of 173 acres, is located just south of the Campus. This farm is fully equipped with machinery, buildings, and livestock. It is under the direct management of the department of Agriculture. Many experiment plots are con-

ducted for the benefit of the students of Agriculture, but most of the farm is farmed in large fields, and conducted as a demonstration project. Wheat, oats, corn, kafir, and alfalfa are grown. These crops in connection with a dairy, hogs and poultry making up the business of the farm.

LABORATORIES

AGRICULTURE

The laboratory is sufficiently equipped to give courses in Soil Physics, 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, colorometer, soil tubes, and 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, bal-opticon, 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 run-

ning streams and many springs are rich in cryptogams and lower animal forms.

The department has a good reference library.

CHEMISTRY

The chemistry laboratories occupy a part of the basement of Sharp Hall. One of the two main laboratories is given over to the Freshman and Sophomore courses and the other to advanced work. Besides these two there is a lecture room adjoining the elementary laboratory, a stock room, and the professor's office and laboratory. The elementary laboratory will accommodate fifty-six students working at one time and the advanced laboratory twenty-four. Each student's working place is provided with water and gas. The laboratories are equipped with all necessary apparatus for all 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 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.

INDUSTRIAL EDUCATION.

The manual training shops are located on the lower floor of Fahnstock Hall. The main shop is a

room 40 by 16 feet, well heated and lighted from one side. In addition to this there is a well lighted finishing room, a tool room, and a large stock room. On the same floor are two large lecture rooms and several smaller rooms which will be used by the department.

The shop is equipped with ten student benches of the cabinet type and one instructor's bench. The room is supplied with water, steam heat, and electricity. The machines of the department are operated by individual motor drive.

In the finishing room will be found the best brands of fillers, dyes, and finishing materials.

The tool room contains a classified assortment of general shop tools and a variety of special tools. The tools are of a standard make.

The stock room is supplied with hard and soft wood, selected and kiln dried. A small quantity of three-ply material and foreign woods is kept on hand.

Each bench is equipped with necessary tools, a vise, lockers, etc.

The equipment of the department makes possible the construction and finishing of many different projects in elementary and advanced woodworking, cane and reed work, upholstery, metal decoration, etc.

PHYSICS

All necessary apparatus is at hand to give properly courses in college and academy physics. Several sets of apparatus for each experiment are provided in academy physics, but in the other courses such duplication is not needed. An engineer's 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

THE STUDENT COUNCIL

The Student Council of McPherson College is the body governing all the student activities of the school. Its membership is made up of two representatives from each of the College classes, one from each of the Academy classes, and one each from the Commercial and Fine Arts departments. The faculty is represented by two members.

THE RELIGIOUS ORGANIZATIONS.

The Y. M. C. A. and Y. W. C. A. of the college are active and engage the efforts of the best students in the school. Under their auspices are conducted weekly Bible and Mission classes, prayer meetings, deputation work, etc. Their numerous committees give place to many of the younger students to engage in religious work.

The United Student Volunteers, commonly called the Mission Band, were organized under the auspices of the Church of the Brethren in 1916. Those preparing for either home or foreign missionary work are eligible to this organization.

The Student Volunteer Movement for Foreign Missions has no organic connection with the above named missionary organization, but consists of those students who are expecting to spend their lives in missionary activity in foreign lands.

The Students' Christian Extension Department was organized in 1919. It is composed of representatives of six organizations of the school; namely, the Y. M. C. A., the Y. W. C. A., the Anti-Tobacco Association, the Foreign Volunteer Band, the Home Mission Band, and the Student Ministers' Association, the aim being to unify the efforts of these bodies. The deputation work of the students is managed thru this department.

CONTESTS AND PRIZES

McPherson College believes in the highest development of self-expression through oratory and debate. The College is a charter member of the Kansas Intercollegiate Debating League, organized in 1919. This organization includes eight of the leading colleges of the state. The champion debating team of the state is determined by a series of elimination contests.

Our Academy maintains debating relations with the Academy departments of Bethany, Bethel, Tabor, and Central colleges, thru a Pentangular League.

McPherson College is a member of the Kansas Intercollegiate Oratorical Association. This association holds annual contests and prizes are awarded to the winner.

McPherson College is a member of the Kansas Inter-Collegiate Anti-Tobacco Association which was organized in McPherson in 1917. The object of the association is to interest students in the scientific study of the effects of tobacco and to create sentiment against its use. Annual local and inter-collegiate oratorical contests are held and prizes are awarded to the winners.

Through kindness of friends of the college, the following prizes are made available:

Discussion Contest.—Open to students of strictly college rank. First prize, seven dollars; second prize, three dollars. Both prizes are the gift of W. E. Ray.

The rules of contest for the above prizes are administered by the faculty literary society committee.

Expositors Prize.—Fifteen dollars worth of books will be given to the ministerial student delivering the best expository sermon. The contest is open to both academy and college students. Sermon must be outlined and written out in full manuscript form before it is finally delivered.

THE BULLETIN

The College Bulletin is published in February, May, August and November. The February number is the catalogue. The publication contains much news from the school and is a great help toward keeping patrons and prospective students in touch with the institution. Copies will be sent on application to the President.

LITERARY ORGANIZATIONS

The College Forum, organized for the discussion of problems of public interests, is intended primarily for College students. Membership in the Athenian Literary Society is open to all Academy students and lower classmen of the College. The Forum and the Literary Society meet in the College Chapel on alternate Saturday evenings at 7:30 o'clock. All programs are open to the public.

No student meeting or public meeting that would interfere with society attendance may be arranged for except with the consent of the faculty literary society committee and the President of the institution.

The College Debate Club and the Academy Debate Club meet on alternate Friday evenings at 6:30 o'clock. Membership in the debating clubs is limited to twenty-five each. Members are elected by the clubs on the approval of the faculty literary society committee.

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 800. 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.

ATHLETICS

The Athletic Department is managed by a committee composed of the Coach, Physical Director, students, and faculty members. The chairman of the committee is a faculty member. The student members are appointed by the College Y. M. C. A. and Y. W. C. A.

All College Freshmen are required to take Physical Training in one of the regularly organized gymnasium classes. Two semesters of class work are required for graduation from the College department. All Academy students are required to take Physical Training. Four semesters of training are

required for graduation from the Academy. Students may be excused from Physical Training work only upon written recommendation from parents or faculty.

The athletic work for men is under the supervision of a Coach. The outdoor work consists of tennis, base ball, foot ball, and track. During the winter months the indoor work includes basket ball, volley ball, tennis, and other indoor games in addition to the regular organized class work. Professor Mohler is general manager of athletics.

The physical work for girls is under the direction of a trained woman. It consists of the Emerson system—Indian club and wand exercises, rhythmic work and games. Special attention is given to constructive and corrective work.

The Gymnasium is large and well equipped, including two large and well furnished dressing rooms. The athletic field is large, including a track and base ball diamond. A sufficient number of tennis courts are well kept to meet the needs of all.

McPherson College is a member of the Kansas Inter-Collegiate Athletic Conference.

All competitive athletic games are under the direct supervision of the Director of Physical Training, and only those physically able are allowed to compete. A student must do passing work in twelve hours to play on any College team.

Limitations On 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 Student Council.
 President Y. M. C. A.
 President Y. W. C. A.
 President Volunteer Band.
 Editor College Paper.
 Business Manager College Paper

GROUP 2.

Associate Editor College Paper.
 Treasurer Student Council.
 Y. M. C. A. Cabinet members.
 Y. W. C. A. Cabinet members.
 President of Oratorical or Debating clubs or musical organizations.
 Participants in debating contests.
 Student teachers or assistants.

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.

THE EXTENSION DEPARTMENT

McPherson College is attempting through this department to be of service to the surrounding communities and churches in various lines.

Members of our faculty go out during the holidays and at other times for lectures and short institutes.

We have been assisting a number of churches and communities for several years in arranging lectures.

Institutes and lectures may be arranged through this department by applying early to Ellis M. Studebaker, McPherson, Kansas.

THE DORMITORIES

The dormitories are in charge of the matrons who are employed by the Board of Trustees, and devote their time to the welfare and comfort of the students. They are constant friends and advisers to the young people who come to the college.

Every effort is made to surround the students with wholesome, helpful influences, as nearly like those found in the home as possible.

The rules of conduct in these buildings are made as simple and as few as possible, but careful observance of the same is required of all, and the authority of the matrons must be respected.

Each student is held responsible for any damage done to furniture and buildings.

The men's dormitory is governed by a committee of ten students elected by the men themselves from their own number. These men, in connection with the Dean of Men, constitute the governing body.

The plan is entirely democratic and has proved very effective in dealing with problems such as present themselves in a rooming house of this nature. The committee above mentioned attempts in every way to make the men's dormitory a real home for the men of McPherson College.

RULES OF CONDUCT.

The use of tobacco in any form, or intoxicating liquors, card-playing, gambling, unbecoming language and conduct, and dancing are prohibited.

No secret societies are tolerated.

Realizing the importance of the simple life as manifested in dress in its relation to the general well-being of the student and to the financial, physical, mental, and moral aspects of college life, the college insists upon simple, modest apparel which makes for economy, comfort, mental poise, and health.

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 student whose deportment is such as to hinder others in their moral and scholastic attainments cannot be permitted to remain connected with the College.

All students not residents of McPherson are required to room and board in the college dormitories unless special permission is obtained from the Board of Trustees to room and board elsewhere.

All students are expected to attend chapel exercises regularly.

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

Students are not allowed to arrange for socials, class parties, or gatherings of any kind without first obtaining permission from the Social Committee and the President and having provided a suitable chaperon.

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. All students are expected to retire at 10:30 p. m.

MISCELLANEOUS INFORMATION

Students will find it to their advantage to enter at the beginning of the school year.

Students registering late will pay \$1.00 extra.

Students are registered at the beginning of each semester. Monday and Tuesday are used for enrollment. The first semester for 1922-1923 will begin on September 11-12, 1922.

Students entering the college are requested to send to the Registrar or to bring with them their transcripts showing a record of work done in other schools.

Application for college credit for work done in other schools must be made during the first semester in residence.

Students entering school late or leaving early will be reduced in their credit to the extent of one hour for each week thus missed.

Each teacher has a conference hour when the students may come for assistance or for friendly interviews.

Students desiring to change courses first secure the consent of the teacher of the course from which

they wish to withdraw and next from the teacher of the course they desire to enter. The consent of these teachers having been secured, the change may be made, if in the mind of the Dean it is for the best interest of the student. A fee of one dollar must be paid for any change in course after the end of the second week.

Students boarding 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 beforehand, and agree to see that the rules and regulations are observed.

A contingent deposit, to insure against damage to property, is required of each student. After deducting charges, the balance will be returned at the end of the year, on return of deposit receipt. Room deposit receipt is good for one year only. Students are urged to deposit their money in a bank downtown so as to prevent loss.

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.

Visitors are always welcome. Guests of the institution should apply at the office of the president so that they may be entertained.

All students of the academy and of the freshman and sophomore classes of the College are assigned to members of the faculty who act as their advisers.

The President of the college is ex-officio adviser of the college senior class and the Principal of the academy serves in the same capacity to the senior academy class.

Junior and senior college students choose as advisers the teachers of their respective major subjects.

No student shall be permitted to engage in extra-institutional activities other than regular church activities, without the consent of the President of the college.

An official emblem and seal has been adopted by the college and it is expected that all classes and organizations shall restrict themselves to the use of the same. No class pins other than the college pin are permitted.

The college charges one dollar for each special examination given, such fee to be devoted to the library fund. Students required to take special examinations apply first to the Treasurer of the college for a permit and present this to the teacher under whom the examination is to be taken.

A fee of one dollar is charged all undergraduate students who apply for state certificates. A similar fee is charged all students for duplicate copies of transcripts of credits.

Students representing the college on Gospel teams will first be approved by the Director of Religious Extension.

Agents and solicitors will not be permitted to operate among the students on the college campus, without permission from the President.

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 and comforts, blankets, sheets, pillows, pillow cases, napkins, rugs, etc.

A pamphlet containing suggestions for a suitable wardrobe for women students has been prepared for free distribution to all girls who consider enrolling in McPherson College. Girls are requested to write to the Dean of Women, McPherson College, for a copy of the same.

FELLOWSHIPS AND SCHOLARSHIPS

The University of Kansas offers annually a fellowship valued at \$350 to one member of the Collegiate graduating class. Only students who have spent at least two years in residence in McPherson College are eligible. The candidate is chosen by our faculty on the basis of scholarship and general ability and is recommended to the Graduate School of the University for election.

Other fellowships can be obtained at the University by ambitious graduates of our institution.

There are always some students who must have financial help to enable them to continue their education. A limited number of scholarships has been made available by various individuals and organizations, and by special offerings.

McPherson College, in common with other denominational colleges of Kansas, offers free tui-

tion during the first semester of the Freshman and Sophomore years to the highest honor graduate of any high school or academy of Kansas and of the McPherson College territory. The academy senior class of McPherson College shares in these scholarships.

The college further invites country school graduates into its Academy and offers a year's tuition free to the honor country school graduate of any county in its territory.

Further information regarding any of the above scholarships will be gladly furnished by the college to any one interested.

REPORTS TO PARENTS AND GUARDIANS

The College reports at the close of each semester to parents and guardians the class standing of all students.

EXPENSES

COLLEGE

Tuition (12 to 18 hours), each semester.....	\$ 45.00
Tuition for fewer than 12 hours or more than 18 hours, an hour.....	3.75
Incidental fee, a semester.....	5.00
Tuition, incidental fee, board, and room, a semester.....	140.00
Total paid in advance for the full school year	275.00

ACADEMY

Tuition, each semester.....	\$ 37.50
Incidental fee, a semester.....	5.00
Tuition, incidental fee, board, and room, a semester.....	132.50
Total paid in advance for the full school year	260.00
Typewriting fee, extra, a semester.....	8.00

Special examination fee in college and academy 1.00

Board and room by the week will be figured at 20 per cent above semester rates. A semester is eighteen weeks.

Because of present uncertainties we reserve the right, if necessary, to change above prices during the year.

Expenses are payable at the time of registration. Settlement is required before a student is enrolled for class work.

Holiday vacation at week rates in the dormitory.

Students compelled to withdraw on account of sickness will be charged at week rates for less than a semester and the balance will be refunded.

Students who are suspended or expelled will receive no refund.

Those who discontinue their work for other causes will be charged at week rates, and will receive a refund, provided satisfactory reasons are given for withdrawing.

When a refund is given, tuition is charged for at least one-half semester; when a semester is more than half expired, no rebate will be given for the remainder of that semester.

Text books and stationery are kept on sale at the college book store and are sold for cash only. Students should bring with them any text books that they may have on hand.

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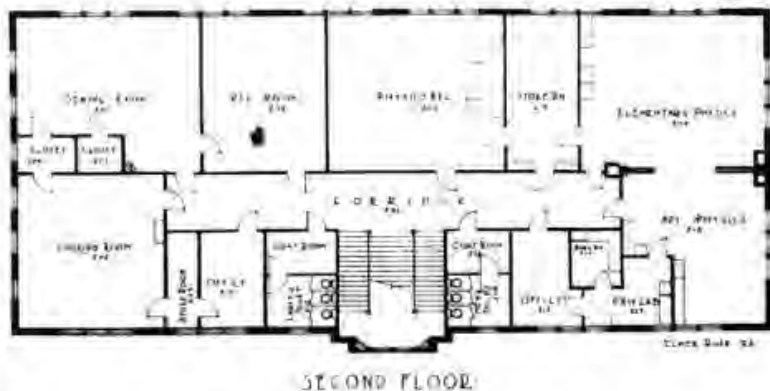
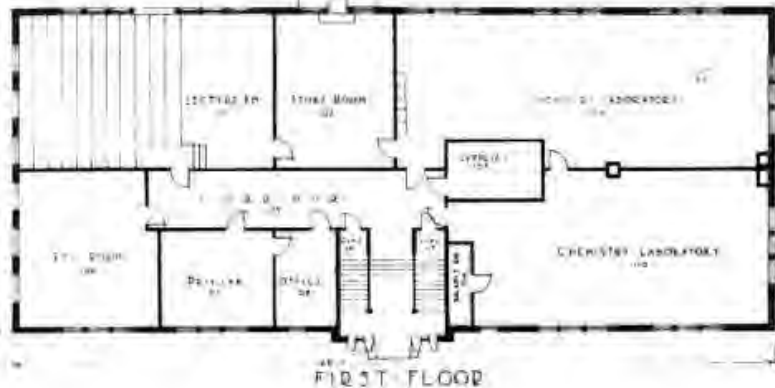
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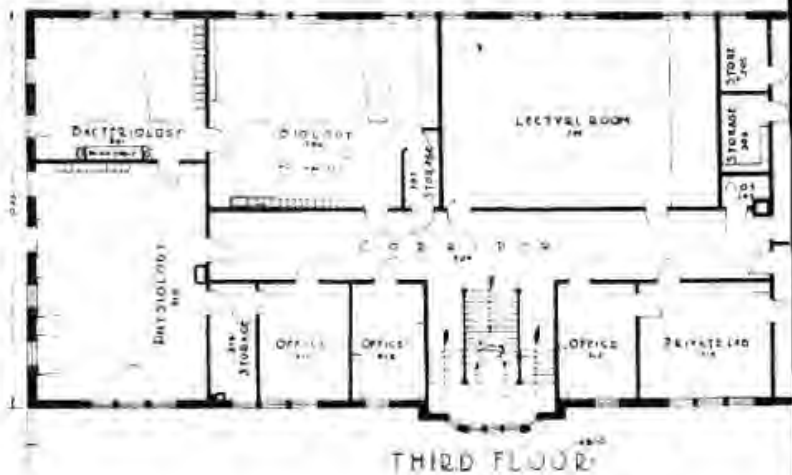
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LABORATORY FEES

(Subject to Change)

All courses in Chemistry, other than those in Organic, each a semester.....	\$5.00
Courses in Organic Chemistry, each semester	6.50
Academy Physics, a semester	2.00
Elementary Physics, a semester	2.50
College Physics, a semester	3.00
Advanced Laboratory Physics, a semester, (2 hrs.)	4.00
Astronomy, a semester50
Surveying, a semester	2.00
Physiology, a semester	1.00
Biological courses, a semester	2.50
Academy Botany, a semester	1.00
Academy Zoology, a semester	2.00
General Science, a semester50
Shop fee (Manual Training), a semester	4.00
Wood Turning, a semester	3.00
Horticulture and Agronomy.....	\$1.00 a semester
Teachers' Agric	2.00 a semester
Animal Husbandry 5	2.50 a semester
Sewing.....	\$2.00 a semester
Embroidery.....	1.00 a semester
Food preparation.....	7.00 a semester

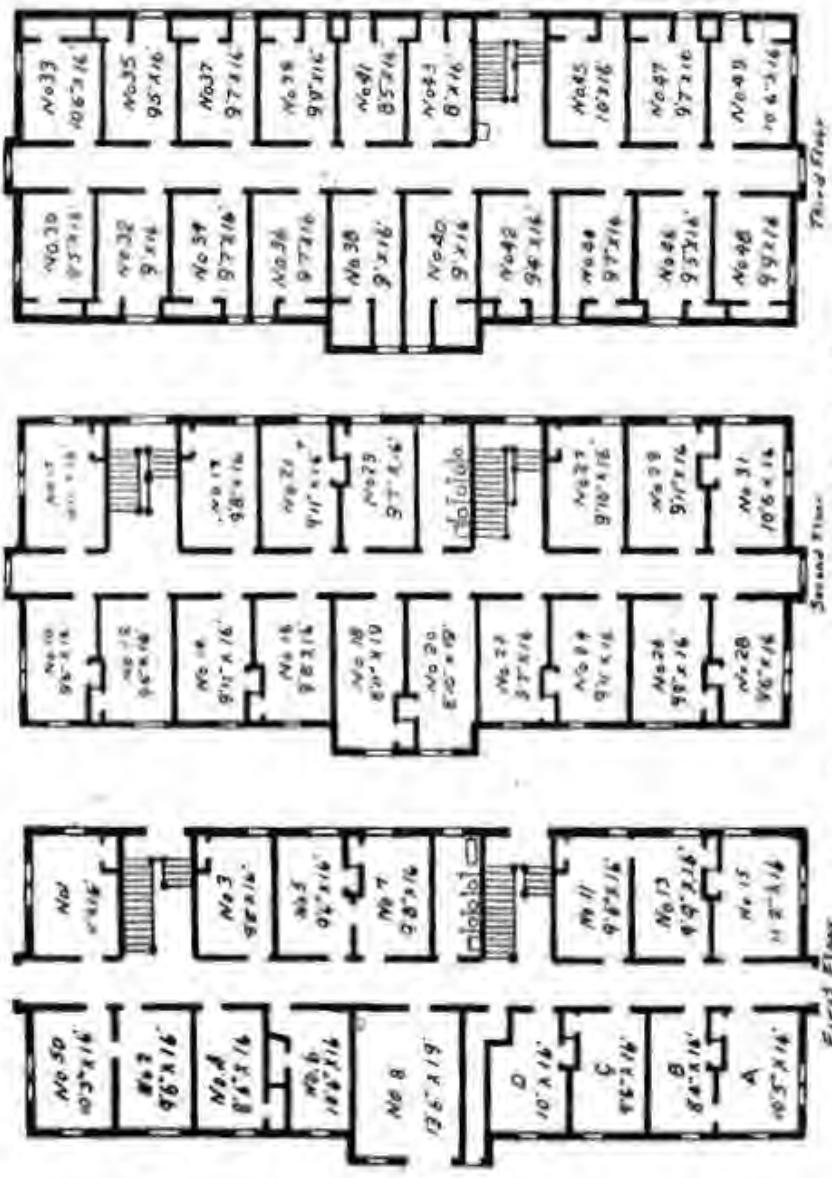




LABORATORY FEES

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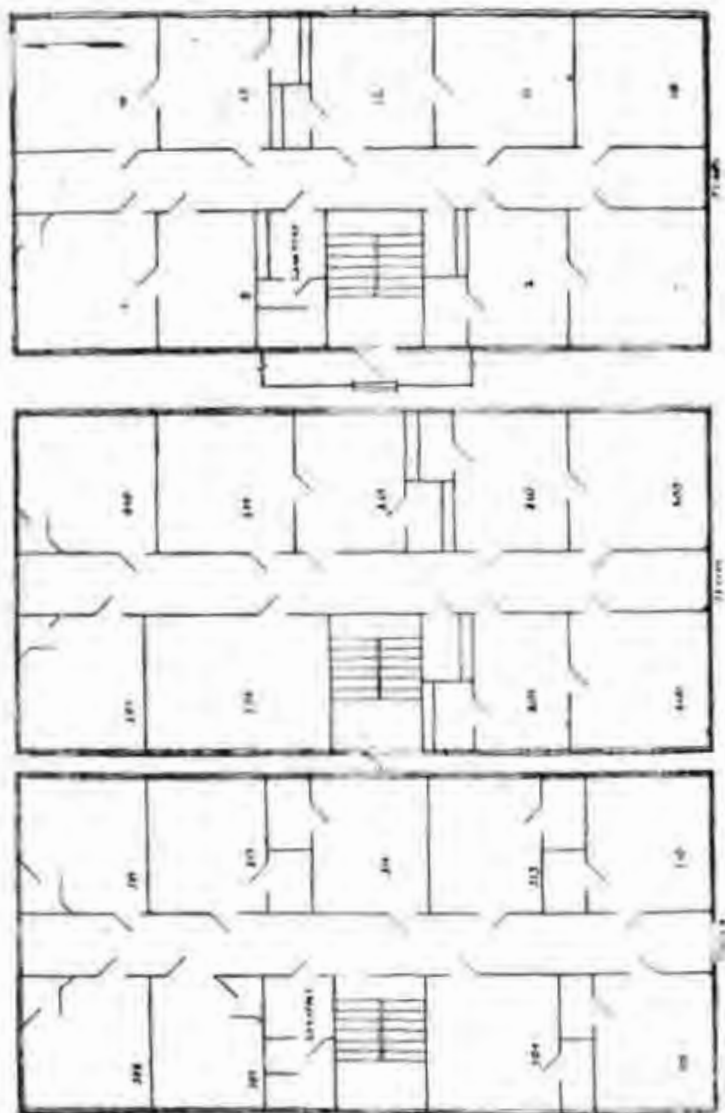
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Food preparation.....	7.00 a semester



FLOOR PLANS, FAHNESTOCK HALL



FLOOR PLANS, ARNOLD HALL.



FLOOR PLANS NEW LADIES' DORMITORY

THE COLLEGE REQUIREMENTS FOR ENTRANCE

The total requirements for admission shall be 16 units, 7 of which shall be chosen from groups I. to IV., as indicated below. The remaining 8 units may be chosen from the subjects outlined in the six groups.

Group I.—English: Minimum, 3 units; maximum, 4 units.

Group II.—Mathematics: Minimum, 2 units; maximum, 4 units.

When the minimum requirement only is presented it shall be elementary Algebra, 1 unit, and Plane Geometry, 1 unit.

Group III.—Science: Minimum, 1 unit; maximum, 4 units. General Science, 1 unit; Botany, 1 unit; Zoology, 1 unit; Entomology, $\frac{1}{2}$ unit; Physics, 1 unit.

Group IV.—History and Social Science: Minimum, 1 unit; maximum, 4 units. 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; maximum, 6 units.

Group VI.—Miscellaneous: Maximum, 5 units.

Agriculture, 3 units; Commerce, (maximum, 3 units) including Bookkeeping, $\frac{1}{2}$ or 1 unit; Commercial Law, $\frac{1}{2}$ 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, $\frac{1}{2}$ unit; Psychology, $\frac{1}{2}$ unit; Commercial Geography, $\frac{1}{2}$ unit; Bible, 2 units.

REQUIREMENTS FOR GRADUATION

In order to be a candidate for the degree of Bachelor of Arts, or Bachelor of Science, the student must have completed 124 semester hours of class work, including 4 hours of physical training. A semester hour consists of one hour recitation or two hours laboratory work a week for eighteen weeks.

Students who enter without a foreign language must take three years of foreign language before receiving the A. B. degree. This may consist of three years of one language or two years of one language and one of another.

Those majoring in groups II, III, or X, as listed below may receive the Bachelor of Science degree.

A candidate for a bachelor's degree must have secured at least thirty hours credit in residence.

COLLEGE GROUPS

I. English—11 hours required.

English Language and Literature
Public Speaking

II. Mathematics and Physical Science—10 hours required.

Chemistry
Physics
Geology

Astronomy
Surveying
Mathematics

III. Biological Sciences—10 hours required.

Botany
Zoology

Physiology
Bionomics

IV. Philosophy and Theology—7 hours required.

V. Bible—6 hours required.

VI. Social Sciences—10 hours required.

History
Political Science

Sociology
Economics

VII. Education and Psychology—3 hours required.

VIII. Ancient Languages.

Greek

Latin

IX. Modern Languages.

French
Spanish

German

X. Vocational.

Industrial Education
Agriculture

Home Economics

XI. Fine Arts.

- (a) Five hours of College Rhetoric are required of all Freshmen not offering it as a fourth year of entrance English.
- (b) Freshmen and Sophomores may not carry more than ten hours in one group at a time.
- (c) General Psychology is a pre-requisite to all courses in Education.
- (d) Six hours of Physiology and Hygiene is required of all students not offering Physiology as entrance credit.
- (e) Majors may be selected from the above groups. A major shall consist of not fewer than 20 hours nor more than 36 hours. Not fewer than 30 hours nor more than 48 hours may be selected from the group from which the major is selected except in group II., in which a maximum of 60 hours is allowed. Majors must be selected by the beginning of the Junior year. Ten hours of the major must be elected from subjects given in the junior and senior years except in the event that the major is chosen in the languages.
- (f) Fifteen hours a semester constitute regular work. Students desiring to carry more than eighteen hours must petition the faculty.
- (g) In order to be accepted as a candidate for the bachelor's degree a student must have received a grade of A, B, or C in at least 80 hours of the 124 submitted.
- (h) In Group V, only 3 hours in Bible are required of those who are candidates for the degree Bachelor of Science.

INCOMPLETE GRADES AND FAILURES

The work of a student who fails to report for final examination is graded **I** or **F**. If his class standing has been above passing he is graded **I**, but if his class standing has been below passing he is graded **F**. If the work has been of passing quality but some part remains unfinished he is graded **I**.

Grade **I** may be removed by passing a special examination upon the payment of a fee of one dollar, but unless removed before the beginning of the corresponding semester of the following year it becomes a failure and the student must re-enroll in the course.

Grade **F** may be removed only by such re-enrollment.

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 the work is incomplete.

The letter **F** indicates failure.

THE COLLEGE PURPOSE.

The above requirements for graduation are believed to furnish a broad cultural education and at the same time permit the student, by his selection of electives, to make definite preparation for later work in strictly professional schools. The credits secured receive due recognition when presented to the University of Kansas and other graduate schools.

STATE TEACHERS' CERTIFICATES.

1. 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 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, and three hours of either Philosophy of Education or Educational Psychology, 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.

2. 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 Methods in Education and three hours of School Management, are entitled to a three-year certificate without examination. This certificate is valid in any elementary school or junior high school and two-year course high school in the state. This certificate is renewable for three-year periods.

Membership in the North Central Association.

In March, 1921, McPherson College was fully accredited by the North Central Association of Colleges, thus securing recognized standing among all the leading colleges and universities in the United States.

THE COLLEGE FACULTY.

Daniel Webster Kurtz, A. M., B. D., D. D.

President of the College and Professor of Philosophy.

Henry Jacob Harnly, A. M., Ph. D., Dean of the College.

Professor of Physiology and Bionomics.

Joseph J. Yoder, A. B.

Professor of Sociology and Economics.

Amanda Fahnestock, A. B., B. D.

Instructor in Bible.

Elmer LeRoy Craik, A. M.

Professor of History and Political Science.

John Alvin Blair, A. M.

Professor of Education and Psychology.

Ellis M. Studebaker, A. M.

Professor of Greek and N. T. Interpretation.

Robert Ellsworth Mohler, M. S.

Professor of Agriculture.

Ammon Swope, A. M.

Professor of Industrial Education.

Bartel Edward Ebel, A. M.

Professor of Ancient and Modern Languages.

Charles Stephen Morris, A. M.

Professor of Mathematics and Physics.

John Willard Hershey, M. S.

Professor of Chemistry.

Minnie Walters, B. S.

Professor of Home Economics.

John Wilby Deeter, A. B., B. D.

Professor of Biblical Theology.

Mary Edith McGaffey, A. M.

Professor of English.

Harvey Harlow Nininger, A. M.

Professor of Biology.

Alma Gladys Anderson

Instructor in English.

COURSES OF INSTRUCTION.

AGRICULTURE PROFESSOR MOHLER

1. **Agronomy 3.**—Farm Crops 3. This course is a scientific study of the grain crops. Special emphasis is placed upon the leading cereal crops of this region, the best methods of production, preparation of the seed bed, and methods of improvement. Each student is expected to do some original work in crop improvement. This course consists of class work, lectures, field trips, and observation work on the experiment plots. **First semester, 4 hours.**

2. **Agronomy 4.**—Farm Crops 4. This course is a continuation of Farm Crops 3, but deals with forage crops instead of the grains. The plan of the course is the same as the above. **Second semester, 4 hours.**

3. **Agronomy 5.**—Soils. A general course. The first quarter's work centers around tilth, and moisture as limiting factors in crop production, and such consideration is given the origin, texture, properties, and physical constants of the soil as will develop judgment as to the proper method of cultivation. In the second quarter we study the chemistry of the soil, as related to crop production, and emphasize the proper use of manures and crop rotation to maintain the nitrogen and humus content of the soil. The nature, use, and needs of commercial fertilizers are considered. Field and laboratory study is required in connection with class work. **First semester, 4 hours.**

4. **Agronomy 6.**—Farm Management. This course is a general study of farm life from an eco-

onomic standpoint. The purpose of the course is to consider the farm as a business proposition. Such subjects as the following are considered: size of the farm, number and shape of fields, crop rotation, marketing of crops, farm records and accounts, roads, schools, churches, etc. 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. **Second semester, 4 hours.**

5. Agronomy 7.—Problems in Agronomy. 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. **2-4 hours.** By appointment.

6. Animal Husbandry 4.—Feeds and Feeding. The course in Feeds and Feeding makes a careful study of nutrition and digestion, the composition of the body of the animal, and the composition of various animal products. A knowledge of these makes possible an intelligent study of the relation existing between the food consumed and the products produced. A careful study is made of the records of the feeding experiments carried on at different stations. Some practical work will be done. Students who take this course should have had courses in Physiology and Chemistry. **Second semester, 4 hours.**

7. Animal Husbandry 5.—Dairying. This course deals with a study of the various types and breeds of dairy cattle. Attention is given to the development, care, and handling of the dairy herd. The laboratory work of the course consists of work with the Babcock Test in all of its phases, the operation of the cream separator, the detection of adulteration in dairy products, and the scoring of butter, cheese,

etc. Observation trips are required in this course.
First semester, 4 hours.

8. Animal Husbandry 6.—Animal Pathology.—
In this course a study is made of the diseases of farm animals. The purpose of the course is to make it possible for a student to diagnose the common diseases met with on the farm, to understand thoroughly the nature and effect of each, and to administer such remedies as are within the province of the well trained farmer. The course is exceedingly practical and interesting.

9. Farm Mechanics.—Agricultural Engineering.
This course is a study of the machinery used on the farm. The first half of the course is a study of the physics of agriculture. It includes work with machinery of all classes, dealing particularly with their construction and operation. The last half of the course deals with farm motors. It involves a study of both the principles and operation of the steam and gasoline engines, together with such accessories, as the lubricator, injector, etc. Special attention is given to the operation of the gasoline engine and the trouble common to the same. **First semester, 4 hours.**

10. Stock Judging.—A laboratory course dealing with the scoring and placing of the various classes of livestock. **First semester, 2 hours.**

11. Genetics.—This subject involves a study of variation and heredity as applied to the breeding and improving of plants and animals. Careful attention is given to the behavior of hybrids. A study of pedigrees is made, together with a survey of the practical results that have been attained in the improvement of breeds and varieties. Such subjects

as breed associations, advanced registry, grading, cross breeding, line breeding, inbreeding, etc. are considered. A portion of the time of this course is devoted to a study of eugenics. **Second semester, 4 hours.**

12. Agricultural Chemistry.—(See Course 12 under Chemistry.)

HERKLE WAMPLER, LABORATORY ASSISTANT.

BIOLOGY

PROFESSOR NININGER

The courses offered in this department have been selected with the following purposes in view: (1) To prepare the general student better to appreciate the world in which he lives thru a knowledge of plant and animal life, (2) to meet the entrance requirements for medical college, and (3) to prepare those who expect to teach biological subjects in high schools.

The following courses and histology may apply upon a major in Biology. Major students shall present from other departments before graduation the following credits: Chemistry and Physics, 10 hours; Geology, 5 hours, and Bionomics, 4 hours.

1. General Zoology.—A general survey of animal life, with special emphasis upon morphology, physiology, reproduction, classification, distribution and evolution. Two lectures and one laboratory period per week. **Both semesters, 6 hours.**

2. Fresh Water Zoology.—A systematic study of invertebrates. Largely individual work. Lectures once each week. Prerequisite, course 1. **Both semesters.** Credit in proportion to work done, with a maximum of three hours a semester.

3. **Vertebrate Morphology.**—A comparative study of the various classes of vertebrates. Laboratory work and one lecture each week. Prerequisite Course 1. **Second semester, 3 hours.**

4. **Osteology.**—A comparative study of the vertebrate skeleton with laboratory exercise in the cleaning and mounting of the same. **First semester, 2 hours.**

5. **Birds of Kansas.**—A study of birds in their natural haunts, with lectures once a week. **Second semester, 2 hours.**

6. **Entomology.**—A general course in anatomy, physiology, and classification of insects. Prerequisite Course 1. **First semester, 3 hours.**

7. **Entomology.**—A study of crop pests, the relation of insects to disease and methods of control. **Second semester, 3 hours.**

8. **General Botany.**—A general course in the thallophytes, bryophytes, and pteridophytes. Two lectures and one laboratory period each week. **First semester, 3 hours.**

9. **General Botany.**—A continuation of Course 6, dealing with spermatophytes. **Second semester, 3 hours.**

10. **Systematic Botany.**—A course in collecting, preserving, and classifying the local flora. Individual work with conferences. Prerequisite Courses 8 and 9. **Maximum of 3 hours credit a semester.**

11. **Microtechnique.**—A course in the preparation of botanical slides. Includes work in killing, fixing, imbedding, cutting, staining, and mounting of material for microscopic study. Laboratory. **First semester, 2 hours.**

12. Current Biology.—An undergraduate seminar, individual reports from current biological journals. **Each semester, 1 hour.**

MR. FOSTER HOOVER, Laboratory Assistant.

MR. R. C. KINZIE, Laboratory Assistant.

BIONOMICS, PHYSIOLOGY AND GEOLOGY

DOCTOR HARNLY

1. Physiology.—For college freshmen. A cultural and practical study of the human body, its anatomy, histology, physiology and hygiene. The course consists of textbook, reference readings, lectures, laboratory experiments, and demonstrations. The department will have a fully equipped laboratory in the new Science Hall, with all needed apparatus and equipment. **First semester, 3 hours.**

2. Physiology.—Continuation of course 1. The last twelve weeks will be devoted to the subjects of reproduction, personal and sex hygiene, public health, and sanitation. **Second semester, 3 hours.**

3. Bionomics.—A lecture and reading course in the study of life, with special reference to ecological, developmental, and historic problems. A candid examination of the facts of life including the theories of evolution and their relation to religious thought. Open to Juniors. **Second semester, 4 hours.**

4. Histology.—The physiological histology of man and mammalian animals based upon the texts, drawings, and preparations of Professor Dr. Fr. Sigmund of Teshen, Austria. Six hours laboratory. **First semester, 3 hours.**

5. **Histology.**—Continuation of Course 4. **Second semester, 3 hours.**

7. **Geology.**—The department has a good collection of minerals, fossils, and rocks, as well as a good reference library. McPherson county is especially rich in geological formations and fossils.

The course consists of a study of the most important minerals and rocks, the elements of crystallography, lectures, text-book, reference readings, notes on lectures, field work. A collection of rocks, minerals, and fossils, is required. **First semester, 5 hours.**

CHEMISTRY

PROFESSOR HERSHEY.

1. **General Chemistry.**—This course is intended for students who wish to get a general knowledge of Chemistry for general culture. Not prerequisite for Chemistry 2. No one is admitted to course one who has presented Chemistry for entrance. Lectures and quizzes, three hours, laboratory work, four hours. **First semester, 5 hours.**

2. **Inorganic Chemistry.**—This course is designed as a prerequisite to all other courses in chemistry. Its aim is to prepare the student for medicine, domestic science, agriculture, engineering, and the advance courses in chemistry. Lectures and quizzes, three hours; four hours, laboratory work. **First semester, 5 hours.**

3. **Inorganic Chemistry and Qualitative Analysis.**—Continuation of course 2. The last ten weeks are devoted to qualitative analysis. Lectures and quizzes, three hours; four hours laboratory work. **Second semester, 5 hours.**

4. **Quantitative Analysis.**—Chiefly a laboratory course in gravimetric and volumetric determin-

ations. Such lectures as are desirable will be given. Laboratory, six or ten hours a week. Prerequisite, Course 3. **First semester, 3 or 5 hours.**

5. Advanced Quantitative Analysis.—A continuation of Course 4. This course covers the general procedure of gravimetric and volumetric analysis, fundamental operations. Accuracy and speed are insisted upon. Laboratory, ten hours a week. **Second semester, 5 hours.**

6. Organic Chemistry.—Designed as a general course in organic chemistry for medical students, those taking domestic science, and preliminary to advanced organic chemistry. Lectures and quizzes, 3 hours; laboratory 4 hours per week. Prerequisite course 3. **Five semester hours.**

7. Organic Chemistry and Food Analysis.—A continuation of course 6. The last ten weeks are devoted to food analysis, which includes class and laboratory work on the plant and animal products. Demonstrations and laboratory practice will be given in the analysis of foods and their adulterations. Class work 3 hours; laboratory 4 hours. **Second semester, 5 hours.**

8 and 9. Advanced Organic Preparations.—Prerequisite courses 6 and 7 and a reading knowledge of German. Laboratory 8 hours thruout the year. **4 hours.** (Given in 1922-23 and alternate years thereafter.)

10. Physical Chemistry.—A general course in physical and theoretical chemistry. Lectures and quizzes 3 hours a week. Laboratory 4 hours. Course 4 prerequisite. Given in alternate years. **Second semester, 5 hours.**

11. Historical Chemistry.—Prerequisite two

years chemistry. Given in alternate years. **First semester, 2 hours.**

12. Agricultural Chemistry.—A course primarily designed for the students who are majoring in Agriculture. Analytical Chemistry applied to analysis of farm products, etc., such as grains, fertilizers, soils, dairy products, water, etc. Prerequisite, Chemistry 4. Laboratory about seven or eleven hours a week. **Either semester, 3 or 5 hours.**

Note:—A breakage fee of \$2.00 is required in all courses accompanied by laboratory work. The unused portion will be returned to the student at the close of the year. Students whose breakage exceeds the amount of their breakage deposit must settle for same before receiving credit for their work.

MISS EULAH CRUMPACKER, Laboratory Assistant.
MR. LEWIS FLORMAN, Laboratory Assistant.
MR. VILAS BETTS, Laboratory Assistant.

ECONOMICS AND SOCIOLOGY

PROFESSOR YODER

1. Economics.—A general course. The principles of economic life are studied with constant reference to the economic aspects of legal and political problems and to the development of the United States. Factors in production, consumption, distribution, exchange, value, labor, capital, monopolies, taxation, etc., are considered. **First semester, 3 hours.**

2. 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 thru social organizations. Open to Sophomores. **Second semester, 3 hours.**

3. Rural Sociology.—The social, economic, edu-

cational 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. The purpose of the course is to give practical information that will aid in the right interpretation of the "rural problem." Open to Sophomores. **First semester, 3 hours.**

4. Social Psychology.—This course concerns itself with the psychic forces of societal evolution, including a study of suggestibility, the crowd, the mob mind, fashion, conventionality, imitation, custom, conflict, compromise, public opinion, etc. Open to Juniors and Seniors. **Second semester, 3 hours.**

5. Pure Sociology.—In contrast to applied sociology—"the origin and spontaneous development of society." Stress is laid upon the genetic and the natural factors of social development and the socialization of achievement. **Second semester, 3 hours.** (Not offered 1922-1923.)

6. The Family.—In addition to an historical survey the family is studied as a social, educational, moral, and religious institution, the social unit and foundation of a democracy, giving emphasis to present tendencies and deteriorating influences. Open to Juniors and Seniors. **Second semester, 3 hours.** (Not offered 1922-1923.)

7. Social Reconstruction.—This is a study of the of the subnormal, the abnormal, and the anti-social, including the criminal, the pauper, and the defective, giving special notice to the delinquent and the dependent and the socializing methods of treatment. Open to Juniors and Seniors. **Second semester, 3 hours.** (Not offered 1922-1923.)

EDUCATION AND PSYCHOLOGY

PROFESSOR BLAIR

1. **General Psychology.**—A Freshman course giving a general survey of the field of psychology. Following a brief consideration of animal, individual, abnormal, and social psychology, a careful study is made of the field of normal human psychology. This course is a prerequisite for all courses in Education. **First semester, 3 hours.**

2. **Introduction to Education.**—To give the prospective elementary teacher a modern point of view relative to scientific methods of studying education. The aim and scope of elementary education is emphasized as well as the internal organization and control of elementary school. **First semester, 3 hours.**

3. **Methods in Education.**—A course designed to provide training in general method for presenting the elementary school subjects in the light of modern principles and investigations. **First semester, 3 hours.**

4. **School Management.**—A course which attempts to give the student a knowledge of the technique of successful school management in the light of accepted principles. The following and kindred topics are discussed in detail: The problem of attention, the conduct of the recitation, school government, order and discipline, school incentives, offenses and penalties, routine and habit, and testing results. Open to Sophomores. **Second semester, 3 hours.**

5. **Adolescence.**—A course based upon psychology dealing with the development of the adolescent mind. It seeks to explain the behavior peculiar

to individuals at this period of life as well as to suggest rational methods of instruction and discipline. Prerequisite, general psychology. **Second semester, 2 hours.**

6. General Laboratory Psychology.—Experiments supplementary to general psychology. It is open to all who have had the course in general psychology, or its equivalent. **Second semester, 3 hours.**

7. Psychology of Education.—A general course in the study of mental development as related to education. Open to Juniors. **First semester, 3 hours.**

8. Principles of Education.—A study of the principles underlying education and their application in a democratic society. Open to Juniors. **Second semester, 3 hours.**

9. History of Education.—In this course attention is given to the motives and methods of the leading educators of the world, ancient and modern. Essential features of educational development are emphasized to serve as a basis for an intelligent understanding of present-day theory and practice. Open to seniors. **First semester, 3 hours.**

10. School Administration.—This course is a study of the problems of organization and supervision of school systems, including state, county, city and local units. Open to Seniors. **Second semester, 3 hours.**

N. B. General Psychology (3 hours) should be studied preceding any of the above courses in Education. The courses satisfy the requirements of the State Board of Education for the "Three Year Certificate Renewable for Life" and the "Three Year

Certificate Renewable for Three Year Periods." See Secs. 7 and 14, State Teachers' Certificates, Bul. 1917. Students who expect to apply for either of the above certificates should consult with the head of the department before enrolling.

ENGLISH LANGUAGE AND LITERATURE

PROFESSOR MCGAFFEY
MISS ANDERSON

Courses 7 and 8, and 6 hours selected from courses 10, 11, and 12 are required of all students.

7. Rhetoric and Composition.—This course aims at the mastery of the fundamentals of Rhetoric through their practical application in oral and written themes, and in class room discussions. Required of all Freshmen. **First semester, 3 hours.**

8. Rhetoric and Composition.—A continuation of course 7. Required of all Freshmen. **Second semester, 3 hours.**

9. Advanced Composition.—Description and Narration will form the basis of themes, supplemented by detailed analysis of literary masterpieces. Courses 7 and 8 prerequisite. (Not offered 1922-1923.) **First semester, 3 hours.**

10. History of English Literature.—A study of the periods of English literature, a definition of the main types, and the reading of typical works illustrating both. Recitations on assigned reading, reports on outside reading, lectures, and supplemental text-book work. Open to Sophomores. **First semester, 3 hours.**

11. History of English Literature.—A continuation of Course 10. **Second semester, 3 hours.**

12. History of American Literature.—This

course is planned to show the various forms and movements in American literature. It includes the reading of typical works, recitation and reports on assigned reading, and lectures. Course 10, prerequisite. Open to Sophomores. **Second semester, 3 hours.**

13. Browning and Tennyson.—The poems that are most typical of Browning and Tennyson are studied in this course. Enough of the drama is included to enable the student to learn the dramatic method of both authors. Open to Juniors and Seniors. **Second semester, 2 hours.**

14. Shakespeare.—This course is planned to give a general introduction to the study of Shakespeare; an acquaintance with the plays themselves, as well as with the relation of Shakespeare to his age. (Not offered 1922-1923.) **First semester, 3 hours.**

15. Contemporary Literature.—A study of the modern drama and the contemporary verse of England and America. Open to juniors and seniors. (Not offered 1922-1923.) **Second semester, 3 hours.**

16. Nineteenth Century Poets.—A study of selections from the chief English poets, with special attention to Wordsworth, Coleridge, Byron, Shelley, Keats. **First semester, 3 hours.**

17. Development of the Drama.—A study of the development of the drama in England from the earliest beginnings to 1642, excluding Shakespeare. Open to Juniors and Seniors. (Not offered 1922-1923.)

18. Public Speaking.—This course is planned to train the student to think logically, to speak forcefully and readily, and to acquire the power of in-

fluencing an audience. The student is given opportunity to deliver speeches illustrating the most used types of public address. **First and second semesters, 6 hours.**

19. **Argumentation and Debate.**—A study of the principles of argumentation with practice in application by oral argumentation and written briefs. Practical in parliamentary procedure and formal debate is given. **First semester, 3 hours.**

20. **Oral Interpretation.**—A study of the principles of Expression with frequent practice in reading. Practical experience will be given in public recitals. **First and second semesters, 6 hours.**

21. **Dramatic Art.**—This course is designed to give the student practical instruction in the oral interpretation of the drama. A number of effective short plays will be studied and presented by the class. **First and second semesters, 4 hours.**

22. **Story Telling.**—This course is designed to meet the needs of those intending to tell stories in the church, the school, or the home. **Second semester, 2 hours.**

GERMAN

PROFESSOR EBEL

3. **Second Year German.**—Classical Prose Writers. A thorough review of the German grammar with composition and oral exercises based upon the reading lessons. Select passages of idiomatic German, proverbs and short poems are committed to memory. The scope of conversation is constantly enlarged. **First semester, 4 hours.**

4. **Second Year German (continued.)**—Translation and study of the grammar with prose composi-

tion continued as in course 3. Students are required to relate short stories in German before the class and carry on class conversation. **Second semester, 4 hours.**

5. Third Year German.—German Prose and Poetry. Selections from representative works of the best German prose and poetry. A detailed study of advanced German grammar, composition of idiomatic German and systematic study of the vocabulary. All conversation is carried on in German. **First semester, 4 hours.**

6. Third Year German (continued.)—A continuation of course 5. Study and outline of German literature. Lectures in German and sight reading. An original theme in German. **Second semester, 4 hours.**

7. Scientific German.—This course is designed especially for graduates to enable them to carry on original research work. Scientific works in mathematics, psychology, the physical and the biological sciences are read, and the students are thoroughly acquainted with scientific expressions in these various fields. **First or second semester, 4 hours.**

GREEK

PROFESSOR STUDEBAKER.

1. Greek I.—Allen's First Year of Greek; lessons I-II. **First semester.**

2. Greek II.—Allen's First Year of Greek; lessons XLI-LXXX. **Second semester.** Students who complete Greek I. and II. will receive **8 hours credit.**

3. Greek III.—A review of the vocabulary, grammar, and syntax of Allen's First Year of Greek and selected readings. **First semester, 4 hours.**

4. **Greek IV.**—The Greek of the New Testament. A study of Robertson's Grammar of the Greek of the New Testament in the light of historical research and a translation of the Gospel according to Luke. **Second semester, 4 hours.**

5-6. **Greek V. and VI.**—Electives. Offered upon demand by a sufficient number of students. **First and second semesters, 8 hours.**

HISTORY AND POLITICAL SCIENCE.

PROFESSOR CRAIK

PROFESSOR STUDEBAKER

PROFESSOR LONBORG

1. **Greek and Roman History.**—A brief survey of the classical nations with special emphasis on social, economic, and political progress and contributions. Open to Freshmen and Sophomores. **First semester, 3 hours.**

2. **Medieval History.**—A study of European civilization from the fall of Rome to the fifteenth century. The study centers about such subjects as the barbarian invasions, the medieval church, the rise of the states of Europe, the universities, the Crusades, and other large movements of the times. Open to Freshmen and Sophomores. **First semester, 3 hours.**

3. **Modern History.**—A continuation of course 2. Emphasis is laid on the development of the various movements and institutions that have made the nations of Europe really modern. Open to Freshmen and Sophomores. **Second semester, 3 hours.**

4. **English History.**—A rather detailed study of the history of the English nation and its dependencies from the earliest times to the present. The relation of England's constitutional progress to the world's advance furnishes an instructive study. Op-

en to Freshmen and Sophomores. **Second semester, 3 hours.**

5. American History.—An extensive and detailed course covering the entire field of American history. An effort is made to present the very latest interpretation of men and events. Only Juniors and Seniors are admitted to the course. **First and second semesters, 8 hours.**

6. Church History.—The origin, problems, schisms, triumphs, and general progress of the Christian church. The first semester covers the period to the Reformation, and the second from that time to the present. Medieval and Modern History are prerequisites. **First and second semesters, 6 hours.**

7. American Government.—An appreciative inquiry into the origin, purpose, and functions of the various organs of the American government. Particularly is the course concerned with the present day reaction of our governmental system to the problems of modern life. Open to Freshmen and Sophomores. **First semester, 3 hours.**

8. Political Science.—An introduction to the study of political theory since the beginning of the state. The study is not confined to any one state but deals with such questions as the origin of the state, its justification, an analysis of its constitution, and the proper functions for its exercise. Open to Juniors and Seniors. **First semester, 3 hours.**

9. European Governments.—This course deals with the constitutions and the political life of the various important states of Europe, the greater stress being laid on England, France, and Germany. Open to Juniors and Seniors. **Second semester, 3 hours.**

10. **Elementary Law.**—A short course in elementary law with special emphasis on the study of the business applications. **Second semester, 2 hours.**

HOME ECONOMICS

PROFESSOR WALTERS

Freshman courses will not be counted toward a major.

1. **Textiles and Clothing.**—Class two hours, laboratory 4. A study of textile fibers and fabrics, with discussions, demonstrations, and practice in garment construction. Special emphasis is placed on comparative study of home and factory products. For Freshmen. **First semester, 3 hours.**

2. **Textiles and Clothing.**—Class two hours, laboratory 4. A more advanced study of textiles, including microscopic identification, chemical testing, the use of adulterants, and testing for the wearing qualities of fabrics. Laboratory work and elementary dressmaking. For Freshmen. **Second semester, 3 hours.**

3. **House Planning and Furnishing.**—Class two hours, laboratory 4. A study of the requirements of the home as to its surroundings, room arrangement, equipment, and furnishing from the viewpoint of an efficient homemaker. For Sophomores. **First semester, 2 hours.**

4. **Clothing Appreciation.**—Class 1 hour, laboratory 4. Designing of costume of various occasions, study of line, light, and dark color theory, and fabrics and texture combinations. For Juniors. Prerequisite, Textiles and Clothing. **First semester, 3 hours.**

5. **Dressmaking.**—Laboratory 4 hours. This course aims to develop initiative and originality in

relation to good taste in dress in the planning and the construction of clothing. Skill and speed of construction are insisted on. For Seniors. **Second semester, 1 hour.**

6. Food Study.—Class two hours, laboratory 4. This course introduces the scientific and economic study of food stuffs. Laboratory work consists of experimental study of food processes as applied to various foods, and the cost and food value of each; also planning, preparation, and serving of meals. For Sophomores. Prerequisite, General Chemistry. **First semester, 4 hours.**

7. Nutrition.—Class three hours. A study of the process of metabolism, the fuel value of foods, and the energy requirement of the body. For Juniors. Prerequisite, General and Organic Chemistry. **First semester, 3 hours.**

8. Dietetics.—Class two hours, laboratory 3. A study of the diets of individuals and groups under varying conditions of health and environment; also the relation between the nutritive value and cost of foods and service of meals. For Juniors. Prerequisite, Physiology, Chemistry and Food Study. **Second semester, 3 hours.**

9. Child Welfare.—Class 3 hours. A course dealing with the various aspects of child care, such as physical and mental development, child hygiene, child labor, and recreation. For Seniors. Prerequisite, Nutrition and Dietetics. **First semester, 3 hours.**

10. Teaching of Home Economics.—Class 3 hours, laboratory 4. A survey of Home Economics in various types of schools, including observation of teaching. It also includes a planning of courses of

study and equipment to meet the need of various types of schools. Practice teaching under supervision is required. For Seniors only. **First and second semester, 4 hours.**

11. Home Nursing.—Class work 2 hours. This course is intended to prepare a woman to care intelligently for minor illnesses and for invalids. Class work and demonstration on the care of the sick and first aid methods. **Second semester, 2 hours.**

12.—Household Management.—Class 3 hours. This course includes a study of the principles of a scientific management of the home, budget making, social, civil, and economic duties and responsibilities of the home-maker. For Seniors. **Second semester, 3 hours.**

INDUSTRIAL EDUCATION.

PROFESSOR SWOPE.

(NOTE.—Students majoring in this department must offer six hours of Mathematics in addition to their majors.)

1. Mechanical Drawing. — An introductory course, including the use of instruments, lettering, geometrical problems, and projections. Prerequisite, Plane Geometry. **First semester, 2 hours.**

2. Machine Drawing.—A course in machine parts and shop drawings. Prerequisite, course 1. **Second semester, 2 hours.**

3. Free-Hand Drawing.—See Art School.

4. Architectural Drawing I.—Plan and elevation drawing of simple structures. Prerequisite, Mechanical Drawing. **First semester, 2 hours.**

5. Architectural Drawing II.—Continuation of

course 4, but including perspective, shades, shadows, etc. **Second semester, 2 hours.**

6. Bench Work I.—An introductory course in the use of hand tools. Emphasis is placed on design and construction and the care of tools. **First semester, 4 hours.**

7. Bench Work II.—Continuation of course 6. **Second semester, 4 hours.**

8. Carpentry.—Lectures and practice. Prerequisite, Bench Work I and Architectural Drawing I. (Not offered 1922-1923.) **First semester, 2 hours.**

9. Wood Finishing.—Lectures and practice. Interior and exterior. Prerequisite, Bench Work I and II. (Not offered 1922-1923.) **Second semester, 2 hours.**

10. Wood Turning.—Prerequisite, Bench Work I and II. **Either semester, 2 hours.**

11. Cabinet Making I.—Advanced work in design, joinery, and finishing. Prerequisite, Bench Work I and II, and Wood Turning. **First semester, 4 hours.**

12. Cabinet Making II.—A continuation of course 11. **Second semester, 4 hours.**

13. Vocational Guidance.—A study of the problems and methods of vocational direction. **First semester, 2 hours.**

14. Industrial Education.—A lecture course in the problems of industry, particularly as related to the school. **Second semester, 2 hours.**

LATIN

PROFESSOR EHEL

Note:—Three years of Latin are required before

taking Course 9. For the third year either Cicero or Vergil may be counted. No combination of Caesar, Cicero, and Vergil will be accepted.

9. **Cicero**—De Amicitia or De Senectute.

Ovid.—Selected passages. **First semester, 4 hours.**

10. **Tacitus**.—Germania or Agricola.

Terence.—Phormio or Andria. **Second semester, 4 hours.**

11. **Horace**.—Odes and Epodes.

Livy.—Book XXI. **First semester, 4 hours.**

12. **Pliny**.—Selected Letters.

Juvenal.—Satires. **Second semester, 4 hours.**

MATHEMATICS, ASTRONOMY, AND SURVEYING.

PROFESSOR MORRIS

7. **Solid Geometry**.—The methods and theorems of Plane Geometry, extended to three dimensions. Open to those students who do not offer Solid Geometry for entrance credit. **Second semester, 2 hours.**

8. **College Algebra**.—This course is prefaced by a review of the important principles of academic algebra. Then follows a general consideration of progressions, permutations, combinations, probability, the binomial theorem, logarithms, elements of theory of equations, and kindred topics. Emphasis is placed upon the illustration of Algebraic principles by the solution of practical problems from the sciences. **First semester, 3 hours.**

9. **Trigonometry**.—Development of trigonometric formulas and a study of their relations, solution of right and oblique triangles, both with and without the use of logarithms, applications of trigonometry. A brief introduction to Spherical Trigonometry. **Second semester, 3 hours.**

10. Analytical Geometry.—Properties of the point, straight line, circle, parabola, ellipse, and hyperbola. Tangents and normals, polar co-ordinates, and transformation of co-ordinates. Numerous exercises. **First semester, 4 hours.**

11. Solid Analytical Geometry.—This course follows course 10. Analytical Geometry of the straight line, plane, and the conoids applied to three dimensions. **Second semester, 2 hours.**

12. Differential Calculus.—Development of formulas for the differentiation of algebraic, logarithmic, exponential, and trigonometric functions. Successive and partial differentiation, maxima and minima. Application to the conics and higher plane curves of Analytic Geometry. **First semester, 3 hours.**

13. Integral Calculus.—Continuation of Course 12. Integration is in general the inverse of differentiation. Constant application to problems of geometry and physics, involving the determination of irregular areas and volumes, moments of inertia, center of gravity, etc. Courses 12 and 13 are indispensable to those students who wish to lay a good foundation in mathematics or science while pursuing college work. **Second semester, 3 hours.**

14. Advanced Calculus.—This course will be opened with a brief review of the type forms of differentiation and integration and continue with a consideration of the topics not fully discussed in courses 12 and 13, together with as many practical problems as time permits. **First semester, 3 hours.**

15. Astronomy.—Naked eye observation of the heavens is begun in the early part of this course and continued throughout. The student becomes familiar with the names and location of the important con-

stellations and stars, and visible planets. The facts and theories regarding the heavenly bodies are obtained from text-book work. Elementary mathematics of astronomy introduced. The course is continued throughout the year in order to increase opportunities for observation. No credit for less than year's work. **First semester, 2 hours—second semester, 2 hours.**

16. Surveying.—First part of course is devoted to text-book work; last part almost exclusively to field work. The student is brought face to face with the practical problems in surveying. Prerequisite—Trigonometry. **Second semester, 2 hours.**

Advanced Work.—Upon demand by a sufficient number of qualified students, or by those doing major work in this department, courses may be selected from the following: Advanced Analytics, Differential Equations, Theory of Equations, and History and Teaching of Mathematics.

PHILOSOPHY

DOCTOR KURTZ

1. Introduction to Philosophy.—This course aims to acquaint the student with the meaning of the fundamental concepts of Philosophy, such as Metaphysics, Epistemology, and Ethics; and to define and evaluate the specific theories of Philosophy such as materialism, idealism, realism, pragmatism, etc. Reference will be made to various texts on the subject, such as Paulsen, Marvin, Russell, Kuelpe, Fletcher, Fullerton, Ladd, Hibben, and the histories of Philosophy. **First semester, 3 hours.** (Not offered 1922-1923.)

2. History of Philosophy.—The purpose of this course is to study the history and development of philosophic thought from Thales to Bergson, and to

study also the lives and systems of the individual philosophers. In addition to the text book, constant use will be made of Bakewell's Source Book, and Rand's Modern Philosophers. The library is well supplied with the best histories of philosophy. **First and second semesters, 6 hours.**

5. Theism.—This course purposes to show the grounds for faith in a personal God from the point of view of science and philosophy. Theistic faith is like a rope made up of many strands. These strands are biological, psychological, ethical, metaphysical, anthropological, historical, and religious.

One period each week is devoted to a general discussion of the problems of religion and life and Biblical interpretation raised by the students. A wide reading is required. **Second semester, 4 hours.**

7. Ethics.—The course in Ethics will be a study of: (1) The Evolution of Morality, (2) The Theory of Morality, (3) Personal Morality, and (4) Public Morality. Reference will be made to Palmer, Paulsen, Seth, Fite, Dewey and Tufts, Muirhead, and others. Constant use of Rand's "Classical Moralists" will be required. **First semester, 3 hours.**

8. Philosophy of Living.—A course of lectures on the problems of the individual in his relation to science, philosophy, economics, society, industry, religion, art, etc. This course is intended to help the student find himself and relate himself to truth and life. Open to all college students. Freshmen are urged to enter the course. **First semester, 1 hour.**

PHYSICAL EDUCATION

PROFESSOR LONBORG

1. Coaching.—A course to aid students who are going out from the college to teach in high schools.

The course takes up the coaching of all the major sports. **Second semester, 2 hours.**

2. Physical Training.—A course in systematic calisthenic and gymnastic work. Four hours are required of all students for graduation. Two hours weekly. **First and second semesters.**

PHYSICS

PROFESSOR MORRIS

1. Elementary Physics.—This course is intended for those students who have not had Physics in the Academy. The subjects of Mechanics, Molecular Physics, Heat, Magnetism, Electricity, Sound, and Light are covered in lectures and quizzes. Three recitations and one laboratory period a week throughout the year. 5 hours credit for year's work. No credit for less than a year's work. **First and second semesters.**

2. General College Physics.—Mechanics, molecular physics, and heat. This is a general college course giving a basis for advanced work in science of engineering, and also designed to meet the Physics requirements of medical schools. Recitations and lectures three hours a week. Laboratory, two double periods a week. Prerequisites, elementary physics and mathematics 8 and 9. **First semester, 5 hours.**

3. General College Physics.—Magnetism, electricity, sound and light. Course is a continuation of course 2. Recitations and lectures three hours a week. Laboratory, 2 double periods a week. **Second semester, 5 hours.**

4. Laboratory Physics.—The physics laboratory is now sufficiently equipped to offer a course in laboratory work in advance of that required in courses 2 and 3. Determination of various physical con-

stants are made. Accurate record is kept. Standard texts are consulted. **First Semester, 2 hours.**

5. Physics Problems.—This course affords a thorough review of general Physics by the solution of problems involving the fundamental formulas and principles of Mechanics, Heat, Sound, Magnetism, Electricity and Light. **Second Semester, 2 hours.**

MR. HERVEY McCLELLAND, LABORATORY ASSISTANT

MR. EARL FISHER, LABORATORY ASSISTANT

MR. JAY ELLER, LABORATORY ASSISTANT

ROMANCE LANGUAGES.

PROFESSOR EBEL.

FRENCH

1. Elementary French.—The essentials of grammar. Text: Fraser and Squair. Careful drill in pronunciation, accidence, and syntax. Daily exercises in translation and elementary composition, together with easy exercises in conversation. **First semester, 4 hours.**

2. Elementary French.—Continuation of Course 1. Reading of simple prose with exercises in composition and conversation based upon the same. All essentials of grammar are carefully outlined and committed to memory. Special attention is devoted to the acquisition of a fundamental vocabulary. **Second semester, 4 hours.**

3. French Prose Writers.—A thorough review of the essentials of grammar. Reading and translation of selections from the works of Victor Hugo, George Sand, Anatole France, René, Bazin, Daudet, and La-Fontaine. Exercises in dictation, composition, and conversation. **First semester, 4 hours.**

4. French Prose and Poetry.—Continuation of course 3. Selections from representative works in prose and poetry. Students receive special training

in relating stories, leading conversation, and discussing subjects before the class. **Second semester, 4 hours.**

5. French Composition.—The purpose of this course is to give special training in writing and speaking French. Systematic studies in advanced grammar and syntax. The instructions of grammar are wholly in French. **First and second semesters, 1 hour each.**

SPANISH

1. Elementary Spanish.—Careful attention is given to the Castilian pronunciation. The essentials of grammar and syntax are carefully outlined and committed to memory and constantly applied in written and oral exercises. **First semester, 4 hours.**

2. Spanish Grammar and Reading.—Continuation of course 1. Reading and translation of easy prose with exercises in composition and conversation based on the same. Special attention is given to the preparation and committing of vocabulary lists. **Second semester, 4 hours.**

3. Modern Spanish Writers.—A thorough review of the grammar. Careful attention is given to correct reading, accurate translation, and the grammatical constructions of the writings of modern authors. Exercises in composition and conversation. **First semester, 4 hours.**

4. Modern Spanish Writers.—Continuation of course 3. with exercises in oral composition. Discussions of grammatical constructions and syntax are conducted in Spanish. **Second semester, 4 hours.**

THE BIBLE SCHOOL FACULTY

DANIEL WEBSTER KURTZ, A. M., B. D., D. D.

President of the College and Dean of the Bible School.

JOHN WILBY DEETER, A. B., B. D.,

Professor of Biblical Theology.

JOSEPH J. YODER, A. B.

Professor of Sociology.

ELLIS M. STUDEBAKER, A. M.

Professor of Greek and New Testament Interpretation.

AMANDA FAHNESTOCK, B. S. L., A. B., B. D.,

Instructor in Bible.

EDITH MCGAFFEY, A. M.,

Professor of English.

ALMA GLADYS ANDERSON, A. B.

Instructor in English.

PURPOSE AND SPIRIT

The effort in all the Bible courses, both the graduate courses in Divinity, as well as others, is the enrichment of the student's own spiritual experience and equipment for the most efficient Christian service. The immediate purpose is to understand the message of God to mankind as given in Holy Scripture. The point of view is practical rather than speculative, the method is historical and scholarly, animated by a deep desire to know the Bible as it is and to extend that knowledge to others.

The crisis of today demands religious leaders as never before. The need for world Christian democracy has given an unparalleled challenge to college men for a larger Christian service. A general knowl-

edge of the Bible is indispensable in a college education for the man of affairs, while ministers and other religious leaders need a special religious education.

By action of the State Board of Education twelve hours in accredited Bible Study may be presented toward the requirements of graduates applying for the State Teacher's Certificate. The subjects should be selected by the aid of the teachers of the Bible School.

GRADUATE COURSES IN DIVINITY.

There are three in number: (1) The Bachelor of Sacred Literature Course. (2) The course leading to Master of Arts in Biblical Theology. (3) The Divinity Course leading to degree of Bachelor of Divinity (B. D.)

These courses are intended to equip college graduates or other advanced students for leadership in church work. Special opportunities are given for research work along Biblical, theological, or other lines of study. A wide range of electives is offered to meet the varied needs of students.

Affiliation with Bethany Bible School.

In common with other Brethren schools, McPherson College is affiliated with Bethany Bible School, whereby courses taken in that institution which fit in with our system of courses are given full credit; likewise Bethany gives full credit to such courses taken in McPherson as fit into the program of studies at Bethany.

REQUIREMENTS FOR DEGREES.

I. Bachelor of Divinity.

1. The course shall consist of four year's work or its equivalent equal to 120 hours.
2. Entrance requirements shall consist of pre-

paration equal to the completion of the Sophomore year of College.

3. College graduates having taken proper electives can complete the work for the degree in two years or an equivalent of 60 hours over and above the A. B. degree.

4. The work of the last two years shall be of a graduate grade. Wide choice of electives is given but should be taken in consultation with the Dean.

5. An acceptable dissertation is required.

II. Master of Arts.

1. This degree will be granted to students having the A. B. degree upon completion of one year's work of 30 hours of a graduate rank.

2. Twelve hours in one of the departments shall be required as a major subject.

3. An acceptable dissertation shall be required.

4. This degree may be received without the above courses in Greek.

OUTLINE OF COURSES OF STUDY.

Courses numbered under 100 are of college rank; courses above 100 are graduate.

Courses with odd numbers are given in the first semester; those with even numbers in the second semester.

Biblical Literature.

63. The Bible as Literature 3 hrs., Professor Stuebaker.

Old Testament.

1-2 History of the Hebrew People; their literature and religion. Structure, date, authorship, his-

torical setting, and contents of the Old Testament books. 6 hours. Mrs. Fahnestock.

3. Old Testament Laws and Institutions.—A presentation of the origin and growth of Israelitish law. The course comprises a detailed study of the four successive codes of laws, together with the institutions governed by them. 3 hours, Mrs. Fahnestock.

101-102. **AN** Introduction to Old Testament Literature; its growth and development. Each book is studied critically in the light of the times that produced it. Special attention is given to the various documents found in the Old Testament. The first half year deals with pre-prophetic literature and the second half with prophetic and exilic literature. 6 hours. Professor Deeter.

103-104. O. T. Theology. See Theology.

105. Old Testament Exegesis.—The subject matter of this course will be taken from the leading major prophets. (Amos, Hosea, Isaiah and Jeremiah.) The purpose of the course is, (1) To become acquainted with the Prophetic Institution of the O. T. (2) To know the prophets themselves, their nature, character and personality. (3) To understand the problems of the times in which they lived. (4) To interpret their literature according to the problems of their times. 3 hours. Professor Deeter. (Not offered in 1922-1923.)

107. The Messianic Hope. A study in Messianic Doctrines found in the apocalyptic literature of the Old and New Testaments. Isaiah, Ezekiel, Daniel, and Revelation furnish the Biblical basis for this course. 3 hours. Professor Deeter. (Not offered 1922-1923).

109. Old Testament Wisdom Literature.—This

course is a study of the so-called Wisdom books of the Old Testament; namely, the Proverbs, Job, Ecclesiastes, Song of Songs, and some of the Wisdom Psalms. 3 hours, Mrs. Fahnestock.

New Testament.

121-122. **New Testament Greek.**—Characteristics of the Greek of the New Testament Period; principles of syntax; translation of Luke. Prerequisite: two academic years of preparatory Greek. 8 hours. Professor Studebaker. (Not offered 1922-1923.)

123-124 **Introduction to the Epistle of the New Testament.** This course makes a survey of the entire epistolary writings of the New Testament. Studies in the life and times of Paul, authorship, date, occasion, and historical materials are emphasized. A thorough analysis is made of the contents of each epistle. First half year Pauline Epistles, second half year Pastoral and Catholic epistles. 6 hours, Professor Deeter.

125. **The Synoptic Gospels.** A course dealing with the Synoptic Problem. Mark is used as a basis of comparison in the synoptic study. Attention will be given to Gospel origins and transmission in the early church. Prerequisite, Courses 123 and 124. 3 hours, Professor Deeter. (Not offered in 1921-1922.)

126 **The Gospel of Mark.**—Purpose, sources, date, authorship, analysis, interpretation on the basis of the Greek text. 3 hours, Professor Studebaker.

127. **The Gospel of Matthew.**—Purpose, sources, date, authorship, analysis, interpretation on the basis of the Greek text. 3 hours, Professor Studebaker. (Not offered 1922-1923.)

129. **The Gospel of Luke.**—Purpose, sources,

date, authorship, analysis, interpretation on the basis of the Greek text. 3 hours, Professor Studebaker. (Not offered 1922-1923.)

130. Johannine Literature. Includes the fourth Gospel, the three epistles and the book of Revelation. The course gives careful consideration to the background of each book, contents, motive of the author and the central message. 3 hours, Professor Deeter.

133. The Book of Acts. First a thorough and careful study will be made of the book as a whole to get thoroughly acquainted with its contents. Then an analysis will follow. Special study will be made with reference to authorship, the author's purpose in writing, special interests in the early church, the sources of the material, the life of the early Christians, and the central message of the book. 2 hours, Professor Deeter. (Not offered 1922-1923.)

136. The Epistle of the Hebrews.—Introduction, analysis of argument, interpretation. 3 hours, Professor Studebaker.

137. Beginnings of Christianity.—Political social, and religious conditions among both Jews and Gentiles from 167 B. C. to about 180 A. D. A careful study will be made of the early development of Christianity, the history of the movement in Palestine, and its spread over the Graeco-Roman world. 3 hrs. Professor Studebaker.

138. Early Christianity and Contemporary Religions.—A study of religious movements within the Mediterranean world at the beginning of the Christian era; Christianity's relation to such rival religions and its final triumph over them. Prerequisite, Beginnings of Christianity or its equivalent. 3 hrs. Professor Studebaker.

140. **Early Christianity and Contemporary Philosophies.**—A study of typical phases of philosophical thought current in the Mediterranean world at the beginning of the Christian era; an examination of the Christian movement in relation to its contemporary thought-world. Prerequisite, a general knowledge of the history of philosophy. 3 hrs. Professor Studebaker. (Not offered 1922-1923.)

Church History.

141-142. **Church History.**—This course seeks to give the student a general view of the field. Periods which are of special interest and importance are emphasized. It is the purpose of the program to serve the needs of those who are preparing for active religious work. 6 hours. Professor Studebaker.

143-144. **History of Christian Doctrine.** The design is to trace the rise and development of the controlling religious conceptions of the Primitive, Catholic, and Protestant Church. 6 hours. Dr. Kurtz. (Not given 1922-1923.)

Philosophy of Religion.

51. *Ethics. 3 hrs. Dr. Kurtz.

52-53. *History of Philosophy, 6 hrs. Dr. Kurtz.

152. *Theism, 4 hrs. Dr. Kurtz.

154. **Psychology of Religion, Seminar.** 2 hrs. being an inductive and critical study of religious experience. Dr. Kurtz.

54. **Bionomics.**—Dr. Harnly. See Bionomics, page 48.

Theology.

62. **Fundamentals of Faith.** Course open to all Bible students on the doctrines of the faith with

especial reference to Brethren faith and polity. 2 hrs., Dr. Kurtz.

103-104. Old Testament Theology.—A historical study of Israel's religion, tracing their growing conception of Jehovah and other corresponding developments through the various stages of their history. Special time is given to the preaching and teaching of the great ethical prophets, Amos Hosea, Isaiah and Jeremiah. 6 hours, Professor Deeter. (Not given in 1922-1923.)

155. Teaching of Jesus.—Sources of information; the world in which Jesus lived as reflected in these sources; thought and teaching of Jesus. 3 hrs., Dr. Kurtz. (Not given 1922-1923.)

156. New Testament Theology. Special reference to the controlling conception of Jesus and Paul and the influence of Greek and Jewish thought upon the thought of early Christianity. 6 hrs., Dr. Kurtz. (Not given 1922-1923.)

157. Christian Doctrine of Salvation. With special reference to the work of Christ. Seminar. 2 hours, Dr. Kurtz. (Not offered in 1922-1923.)

158. Doctrine of Sin.—A course making a systematic, thorough, and critical study of both the Old and the New Testaments, to determine if possible what the great religious leaders of their times taught with respect to sin. This is followed by a constructive statement of sin in the light of modern religious thought. 2 hours Seminar, Professor Deeter.

160. Systematic Theology. Prerequisites, 51, 52, 53, and 152. Includes study of the ideas and problems of Christian Faith. 6 hours, Dr. Kurtz.

161. Comparative Religion. A critical study

of non-Christian and ethnic faith as compared with Christianity, 3 hours, Dr. Kurtz.

Practical Theology.

163-164. Theory and Practice of Preaching.—An inductive study of the nature and function of the sermon, sermon building, and practice preaching. 4 hrs., Professor Studebaker.

84. Rural Sociology. 3 hours, Prof. Yoder.

Religious Education.

A course in the Principles of Religious Education, the Materials, and the Methods and Program of Religious Education will be offered. The purpose of this course is to prepare students to become leaders in Sunday School, Week Day and Vacation Bible Schools. The students will be required to do much outside work. The course is especially intended for advanced college students, and those planning to devote their lives to Church and Missionary work. 3 hrs., second semester, Dr. Kurtz.

ELECTIVES

A wide range of elective work is open which will meet the needs of those who would be efficient leaders. We recommend to the Bible students advanced work in the following departments:

Religious Education.

History (especially Medieval and Modern History.)

Education.

Natural and Physical Sciences.

Sociology.

Economics.

Music.

Philosophy.

<p style="text-align: center;">FIRST SEMESTER OF THE FIRST YEAR.</p> <p>101. An Introduction to Old Testament Literature 3 107. Beginnings of Christianity 3 123. Introduction to the Epistles of the New Testament 3 163. Theory and Practice of Preaching 2 141. Church History 3 121. New Testament Greek 4 61-62. Fundamentals of Faith 2 63. The Bible as Literature 3</p>	<p style="text-align: center;">SECOND SEMESTER OF THE FIRST YEAR.</p> <p>102. An Introduction to the Old Testament 3 128. Early Christianity and Contemporary Religious 3 124. Introduction to the Epistles of the New Testament 3 164. Theory and Practice of Preaching 2 142. Church History 3 122. New Testament Greek 4</p>
<p style="text-align: center;">FIRST SEMESTER OF THE SECOND YEAR.</p> <p>103. Old Testament Theology 3 125. Synoptic Gospels 3 131. Epistles to The Corinthians 3 109. Old Testament Wisdom Literature 3 161. Comparative Religion 3 143. History of Christian Doctrine 3 107. Christian Doctrine of Salvation 2</p>	<p style="text-align: center;">SECOND SEMESTER OF THE SECOND YEAR.</p> <p>104. Old Testament Theology 3 126. The Gospel of Mark 3 132. The Epistle to The Galatians and The Acts of the Apostles 3 158. The Doctrine of Sin 2 144. History of Christian Doctrine 3</p>
<p style="text-align: center;">FIRST SEMESTER OF THE THIRD YEAR.</p> <p>135. The Teachings of Jesus 3 127. The Gospel of Matthew 3 129. The Gospel of Luke 3 135. The Epistle to The Romans 3 129. Systematic Theology 3 107. Messianic Hope 3 165. Old Testament Exegesis 3</p>	<p style="text-align: center;">SECOND SEMESTER OF THE THIRD YEAR.</p> <p>106. New Testament Theology 3 130. Johannine Literature 4 122. Theism 4 126. The Epistle to The Hebrews 3 106. Old Testament Exegesis 3 166. Systematic Theology 3</p>

THE ACADEMY FACULTY

DANIEL WEBSTER KURTZ, A. M., B. D., D. D.,
President of the College.

MAURICE A. HESS, A. M.,
Principal of the Academy.

HENRY JACOB HARNLY, A. M., Ph. D.,
General Science

AMMON SWOPE, A. M.,
Industrial Education.

CHAS. S. MORRIS, A. M.,
Physics

ROBERT ELLSWORTH MOHLER, M. S.,
Agriculture and Botany.

J. HOWARD FRIES,
Commercial

MINNIE WALTERS, B. S.,
Home Economics.

FORREST W. GAW
Voice.

BARTEL E. EBEL, A. M.
German and Spanish.

JESSIE BROWN, B. M.,
Piano.

E. J. UNRUH
Shorthand and Typewriting

JOHN WILBY DEETER, A. B., B. D.,
Bible

MRS. J. W. DEETER, B. S. D.,
Art.

ALMA G. ANDERSON, A. B.,
English.

A. RAY LAUER

Violin

PAULINE VANIMAN, B. M.

Piano

LOLA M. HILL, A. B.

English and German

PURPOSE

The Academy is intended to prepare students for the corresponding courses in the college. For those who are unable to pursue their education further, these courses will serve as the best preparation for practical life.

ADMISSION

Students may be admitted without examination by presenting a county diploma, or an equivalent promotion card to high school, or a certificate to teach. They may also be admitted by examination in such of the common branches as are of special importance in pursuing academic studies.

Students may be admitted to advanced classes on presenting certificates of honorable dismissal from approved schools together with a statement of work done, signed by the proper authority.

The Academy of McPherson College is a member of the North Central Association.

REQUIRED WORK

Students in the academy carry four courses of regular study, reciting four times a week. A year's work in one study is counted one unit. Students are entitled to graduate when they have completed 16 units together with one year of Physical Training.

All Academy seniors must be graduated to be advanced to Freshman College standing.

STUDY

At the beginning of each semester a schedule card is filled out for each student, showing the studies and the hours for recitation for each day in the week. From this program the student is expected to arrange a study program which he will follow. Large and well equipped study rooms are provided in the library.

ORGANIZATIONS

All Academy students are eligible to membership in the Athenian Literary Society. Qualified students may apply for membership in the Academy Debate Club, and may compete for places on the Academy Debating Teams. (See pages 22-23.)

Students of the academy are eligible to membership in the Christian organizations of the young men and the young women and to the mission study classes of the college.

The Anti-Tobacco Association offers an excellent opportunity to become acquainted with the tobacco problem. An oratorical contest is held each year to which any student in the academy is eligible.

DIPLOMAS

Students completing the academy courses will be granted diplomas.

COURSES OF STUDY

AGRICULTURE

1. **Agronomy 1.**—Farm Crops. This course deals with the production of field crops. Special emphasis is placed upon their history, importance, culture, and improvement. **First semester, ½ unit.**

2. Agronomy 2.—Farm Crops 2. Agronomy 2 is a continuation of Agronomy 1. At the conclusion of the work with the cereals an elementary course in soils is given. The soils study is supplemented by field trips, excursions, etc. The student in this course gets a fair understanding of the relation different types of soil have to the production of crops, of the origin of soils, soil physics, and the use of fertilizers. **Second semester, $\frac{1}{2}$ unit.**

3. Animal Husbandry 2.—General Animal Husbandry. It is the purpose of this course to give the beginner in Animal Husbandry a fair understanding of the subject. Great care is taken to properly lay the foundation for the courses that are to follow. **First semester, $\frac{1}{2}$ unit.**

4. Animal Husbandry 3.—Poultry. Animal Husbandry 3 deals with the fundamental problems that confront the poultryman, such as incubation, care of chicks, housing, yarding, feeding, and mating. **Second semester, $\frac{1}{2}$ unit.**

5. Economics.—Rural Economics. This course makes special application of economic principles of the problems of agriculture. A study of farm organization, farm types, choice of farm enterprises, rotation systems, farm administration, distribution of capital, renting, credit, markets, the choice of the farm, etc. **First semester, $\frac{1}{2}$ unit.**

6. Forestry.—Farm Forestry. An elementary course in forestry, dealing with the forest trees of the middle west, their importance, distribution, etc. **Second semester, $\frac{1}{2}$ unit.**

7. Horticulture 1.—Fruit Growing. This is a general introductory course, special emphasis being placed upon the leading fruits of this region. This course

includes demonstration work in thinning, pruning, spraying, and grafting. The selection of the orchard site, and marketing is studied. **First semester, $\frac{1}{2}$ unit.**

8. Horticulture 2.—Gardening. This course comprises a study of the problems and possibilities of the market and home garden. Laboratory work includes plans for gardens, construction of hot beds, seed testing, etc. **Second semester, $\frac{1}{2}$ unit.**

9. Agriculture.—A general course in the fundamentals of Agriculture, open to Academy students. A survey of the entire field of Agriculture is made. Careful study is made of the practical problems confronting the farmer of this region. Recitation three hours. Laboratory two hours. **First and second semesters, 1 unit.**

10. Stock Judging.—A laboratory course deal with the scoring and placing of the various classes of livestock. **First semester, $\frac{1}{4}$ unit.**

BIBLE

1. Elementary Introduction to the New Testament. A survey of the entire field of New Testament literature, starting with the writings of Paul and taking each book up in chronological order. The purpose of the course is to give the student a glimpse of the forces and agencies that developed our New Testament and how it came about. Special emphasis is placed upon the messages of each book and the value of the New Testament to us as a book of religion. **First and second semesters, 1 unit.**

2. Hebrew History.—This course seeks to make clear the important place of the Hebrew people in the history of nations, to acquaint the student with Hebrew life and literature, and to set forth the signi-

ficance of Hebrew and Jewish religious history to the world. **First and second semesters, 1 unit.**

ENGLISH

These courses are planned to give command of clear correct English, and to cultivate a taste for good literature. The reading-study outline of the uniform Entrance Requirements for English is followed.

English 1.—Rhetoric and Composition. A study of the elementary principles of rhetoric with practice in oral and written composition. **First semester, $\frac{1}{2}$ unit.**

English 2.—Continuation of English I. Classics such as *Silas Marner* and *Ivanhoe* will be studied. Collateral reading. **Second semester, $\frac{1}{2}$ unit.**

English 3.—Rhetoric and Composition. A study of the various forms of discourse. Oral and written work required. **First semester, $\frac{1}{2}$ unit.**

English 4.—American Literature. A study of American authors and their best writings. **Second semester, $\frac{1}{2}$ unit.**

English 5 and 6.—A course in English literature is taken up by periods with a careful study of authors and their writings. **First and second semesters, 1 unit.**

7. Oral Interpretation.—A study of the principles of Expression with frequent practice in reading. Practical experience will be given in public recitals. **First semester, $\frac{1}{2}$ unit.**

8. Public Speaking.—Frequent practice in extempore speech is given with the view that the student may acquire an easy, fluent, and effective manner of speaking. **Second semester, $\frac{1}{2}$ unit.**

GERMAN

1. Elementary German.—Careful attention is given to correct modern High German pronunciation, the essentials of grammar and composition. Translation from German into English and easy exercises in translation into German. Special attention is given to the study of the German vocabulary and elementary conversation. **First semester, $\frac{1}{2}$ unit.**

2. Elementary German.—Continuation of the grammar, translation and composition. Reading of easy classical stories with composition and conversation based upon the same. Syntax and vocabulary are fixed by constant review and application. **Second semester, $\frac{1}{2}$ unit.**

HISTORY

1. Ancient and Medieval History.—A course basic in its nature for any future historical work. The work of the first semester deals with the rise of civilization in the ancient countries of the Orient and in Europe; that of the second with a survey of the medieval period in Europe. **First and second semesters, 1 unit.** (Offered in 1922-1923.)

2. Modern History.—A study of the leading nations of Europe, following course 1, and bringing the course of events up to the present time. **First and second semesters, 1 unit.** (Offered in 1923-1924.)

3. American History.—The purpose of this course is to give to students a thorough study of the history of their own nation. Special emphasis will be given to the institutional development, westward movement, sectional controversy, and industrial development. **First and second semesters, 1 unit.**

4. English History.—A general course covering

the entire history of England and the British Empire up to the present time. **First semester, $\frac{1}{2}$ unit.**

5. American Government.—A study of the organization and functions of our government. **First and second semesters, 1 unit.**

HOME ECONOMICS

1. Foods I.—Laboratory 4 hours. Class work consists of study of the principles of cooking as applied to the different types of food materials. Laboratory work includes application of these principles to the cooking of foods of all kinds. **First semester $\frac{1}{4}$ unit.**

2. Foods II.—Continuation of course I, with work in the calculation of nutritive value of foods and the preparation and serving of meals. **Second semester, $\frac{1}{4}$ unit.**

3. Sewing.—The principles of hand and machine sewing are applied to simple undergarments, including mending and patching. A study of textiles and fabrics used; also care and repair of clothing. Laboratory 4 hours. **First and second semesters, 1 unit.**

4. Home Nursing.—Care for cases of sudden illness or accident; use of disinfectants and the laws controlling the spread of disease; demonstrations of how to treat wounds, poisons, sprains, fractures, and use of bandages. Class 2 hours; laboratory 2 hours. **Second semester, $\frac{1}{4}$ unit.**

LATIN

1. Beginning Latin.—Smith, Elementary Latin. Both written and oral work. The Roman system of pronunciation is used, and in all written exercises the marking of the syllables is emphasized. Four hours a week. **First semester, $\frac{1}{2}$ unit.**

2. **Beginning Latin.**—Continuation of Course 1. Four hours a week. **Second semester, $\frac{1}{2}$ unit.**

3. **Latin.**—Caesar. Text, Bennett. First two books of the Gallic War, with an hour a week in prose composition in Bennett's Latin Composition. Drill on constructions and vocabulary of Caesar. A review of the historical setting, including the life and work of Caesar. The grammar is studied systematically and the principles of Latin syntax are constantly reviewed. Four hours a week. **First semester, $\frac{1}{2}$ unit.**

4. **Latin.**—Continuation of Course 3. The second two books of Caesar are taken up in a similar way. Four hours a week. **Second semester, $\frac{1}{2}$ unit.**

5. **Latin.**—Cicero. Text, Bennett. The first three orations against Catiline are read. A study of Cicero's style and diction, an outline of each oration, and a comprehensive analysis of the sociological and political background. Syntactical drill and constant reference to the grammar coupled with prose composition once a week. 4 hours a week. **First semester, $\frac{1}{2}$ unit.**

6. **Latin.**—Continuation of Course 5. Reading of the fourth oration against Catiline, the one on the Manilian law, and the Pro Archia. 4 hours a week. **Second semester, $\frac{1}{2}$ unit.** (Courses 5 and 6 alternate with course 7 and 8.)

7. **Latin.**—Vergil. Text, Bennett. Three books of the Aeneid are read, and prose composition is assigned once a week. Stress is laid upon the Aeneid as an epic, upon scansion, and upon Roman mythology, Murray being the reference in the last named. Special attention is paid to figures of speech, archaic forms, and the constant intermingling of facts with

fiction. Four hours a week. **First semester, $\frac{1}{2}$ unit.**

8. Latin.—Continuation of Course 7. Books IV., V., and VI. are read. The student is expected to be familiar with the literary merit of the production. Four hours a week. **Second semester, $\frac{1}{2}$ unit.**

MANUAL TRAINING.

1. Bench Work I.—Design and construction of simple objects involving the use of the common tools. **First semester, $\frac{1}{2}$ unit.**

2. Bench Work II.—Continuation of course 1. **Second semester, $\frac{1}{2}$ unit.**

MATHEMATICS

The Kansas State Board of Education requires two units in Mathematics as a minimum for an approved High School course. This requirement is met by the courses numbered 1-4 below.

1. Algebra.—The usual course in beginning algebra. The fundamental operations of Arithmetic are here generalized. Factoring, fractions, solution of equations graphically and by the ordinary method, etc. **First semester, $\frac{1}{2}$ unit.**

2. Algebra.—Continuation of course 1. The student is led thru solution of equations, ratio and proportion, quadratic equations and as many of the additional subjects of elementary algebra as time and conditions permit. **Second semester, $\frac{1}{2}$ unit.**

3. Plane Geometry.—A study of lines, angles, and plane figures. Special care is taken to introduce the course so that the student may feel at its completion a definite increase in his reasoning powers and in his ability to handle truth. **First semester, $\frac{1}{2}$ unit.**

4. Plane Geometry.—Continuation of course 3. Thruout the year stress is placed on the original solution of exercises and supplementary theorems. **Second semester, $\frac{1}{2}$ unit.**

5. Arithmetic.—This course is offered on request of a sufficient number of students who are preparing to teach. It consists of the study of the principles of arithmetic, methods of teaching the same, and solution of problems. **Second semester, $\frac{1}{2}$ unit.**

6. Algebra.—This course is a continuation of Algebra 1 and 2 and is in special preparation for Mathematics in the college course. A rapid review of the previous work in Algebra is followed by a treatment of problems involving quadratic equations, theory of exponents, irrational equations, variations, progressions, etc. Elective at request of sufficient number of qualified students. **First semester $\frac{1}{2}$ unit.**

7. Solid Geometry.—The method and theorems of Plane Geometry extended to three dimensions. Solid Geometry by Wentworth and Smith or by Wells and Hart are suggested texts. Elective at request of sufficient number of qualified students. **Second semester, $\frac{1}{2}$ unit.**

NORMAL TRAINING

1. Psychology.—It is expected that such persons as are preparing to teach at the completion of their secondary course will enroll for this course as a basis for later professional work. Other students in the Academy may elect this course for regular Academy credit. Open to Juniors. **First semester, $\frac{1}{2}$ unit.**

2. Methods and Management.—This course is designed to give practical professional training to

those persons who are planning to teach at the completion of the Academy course. Open to Seniors. **Second semester, $\frac{1}{2}$ unit.**

SCIENCE

1. **General Science.**—The purpose of this course is to introduce first year academy students to nature. It is an elementary study of Physics, Physiography, Plants, and Animals. **First semester, $\frac{1}{2}$ unit.**

2. **General Science.**—A continuation of Course 1. **Second semester, $\frac{1}{2}$ unit.**

3. **Zoology.**—An introduction to the study of animals. Text-book, lectures, laboratory, and field work. **First and second semesters, 1 unit.**

4. **Botany.**—An introduction to the study of plants. Text-book, lectures, laboratory, and field work. **First and second semesters, 1 unit.**

5. **Academy Physics.**—This course acquaints the student with the important phenomena of nature and emphasizes the vital truths found therein. The student learns also to appreciate the direct importance of physical science to the modern world. The course deals with mechanics, molecular physics, and heat. Recitations three hours a week. Laboratory work, two hours. **First semester, $\frac{1}{2}$ unit.**

6. **Academy Physics.**—Continuation of Course 5. Includes magnetism, electricity, sound, and light. Recitations three hours a week. Laboratory two hours. **Second semester, $\frac{1}{2}$ unit.**

SCHOOL OF FINE ARTS

D. WEBSTER KURTZ, A. M., D. D., President

JESSIE BROWN, B. M., Chairman
Piano.

FORREST W. GAW
Voice and History.

ALVHH R. LAUER, B. M.
Violin, Orchestra and Theory.

PAULINE E. VANIMAN, B. M., Secretary
Piano and Appreciation.

MRS. J. W. DEETER, B. S. D.
Art

The School of Fine Arts offers standard courses in Music and Art and is maintained with the express idea of offering the best in the way of aesthetic instruction. Realizing the increased importance of the above course in the college curriculum the system of credits and of work has been regulated best to agree with the requirements of the North Central Association of Colleges. All work is accredited.

SCHOOL OF MUSIC

FACULTY

JESSIE BROWN B. M.,
Piano.

FORREST W. GAW,
Voice and History.

ALVHH R. LAUER, B. M.,
Violin and Theory.

PAULINE VANIMAN, B. M.,
Appreciation and Piano.

PIANO SCHOOL

The study of the pianoforte is and must remain in a certain sense the most important part of a musical education. It is indispensable to the singer, invaluable to the composer, and a great help to the organist and conductor.

It is the purpose of this department to begin aright. Great stress is laid on SLOW PRACTICE, and much care is taken as to tone quality. The pupil is well drilled in the different varieties of finger, wrist, and arm touches.

It is the aim of this department to keep closely in touch with the most enlightened methods of instruction, to impart style, finish, and artistic interpretation.

The course of study is divided into Preparatory, Certificate, and Degree.

PREPARATORY—(Grades 1 and 2)

FIRST YEAR

Studies.—Elements of pianoforte playing, including hand culture, touch, notation and rhythm; technical exercises from Schmitt; elementary studies from Czerny, Gurlitt, and others; easy selections from Lichner, Diller-Quaille, Crosby-Adams, Bugbee-Davis, Gaynor, Gurlitt, Spindler, etc. **One-half unit in Academy.**

SECOND YEAR

Selected Studies from Doring, Brauer, Czerny, Bertini, Burgmuller, Concone, Gurlitt; easy sonatinas from Clementi, Reinecke, Diabelli; technical studies from Schmitt; compositions from Schumann, Wilm, Gurlitt, Kullak, Gade, Rheinhold and others. **One-half unit in Academy.**

THIRD YEAR

Studies.—Bertini, Heller, Lecoupppey, Leoschhorn, Czerny, Berens; sonatinas from Kuhlau, Dussek; technical exercises from Weihmayer or Beringer, Hanon compositions from Mendelssohn, Scharwenka, Godard, Raff and Greig. **One-half unit in Academy.**

CERTIFICATE—FOURTH YEAR

Studies.—Heller; easier compositions from Bach, Czerny; easy sonatas from Haydn, Mozart; technical exercises from Beringer; Hanon compositions from Greig, Godard, Schubert, Neupert, Mendelssohn, Chaminade, Schumann, and others....**One-half unit in Academy.**

FIFTH YEAR

Studies.—Special studies from Cramer, Czerny; Bach inventions; sonatas from Mozart, Beethoven;

technical exercises from Phillip, compositions from Grieg, Sinding, MacDowell, Chaminade, Chopin, Haberbier, Moszkowski, Schumann and Liszt.

A Teacher's Certificate will be given to each student who finishes this course and the prescribed courses in harmony, harmonic analysis, musical history, appreciation and ear training. **One-half unit in Academy or 4 hours in College.**

DEGREE—SIXTH AND SEVENTH YEARS

Studies.—Selections from *Gradus and Parnassum*, Bach's three-part inventions and *Well-tempered Clavichord*, Beethoven Sonatas, more difficult compositions by MacDowell, Rubinstein, Chopin, Schumann, Brahms, Debussy, Tschaikowski, Liszt, Concerto from Mozart, Beethoven, Schumann, Mendelssohn, and others. **Eight hours in the college.**

The degree Bachelor of Music is granted to students finishing the degree course. All students receiving the degree Bachelor of Music must have completed one year's work in counterpoint and one year's work in Canon and Fugue and Orchestration.

All students receiving degree Bachelor of Music must have high school diploma or its equivalent.

Class work in piano is given for children between the ages of five and ten. All teaching is directed toward the development of the artistic nature of the child. Includes ear-training and biography, in connection with technical training at the keyboard.

Pupils may not play in public without rehearsals and permission from the teacher.

Practice Pianos.—All pianos used for practice by students of the piano school or of the vocal school must be tuned at the beginning of each semester.

Pupils practicing in private homes must have practice rooms properly heated, free from intrusion of of any kind. If on account of sickness or for any other reason the pupil is prevented from practicing, arrangements must be made by the renter of the piano for the pupil to practice elsewhere.

VOCAL SCHOOL

The voice instruction has as its purpose the training of the human voice to respond to the desires of an individual to produce beautiful and flexible tones in the interpretation of the modern and classical compositions.

The vocal instruction is based upon the ideas of the old and modern vocal schools. The fundamentals of the art that are vital in the instruction are the following: Correct breathing, free emission, pureness of intonation, resonance, and distinct enunciation.

The study of interpretation is practiced in songs and ballads from the best of American, English, German, Italian, French, and Scandinavian composers, with strict attention to phrasing, enunciation, and rhythm of songs.

Strict attention to a definite length of course in vocal music cannot be followed, as special cases and talents make it vastly difficult for such a unity in requirements with respect to time spent in the development. Exercises are presented for each individual's development as the case necessitates. Students must have a high school diploma or its equivalent and also have passed a satisfactory examination in recital before the music faculty in order to be eligible for graduation with a diploma in voice.

CHORAL SOCIETIES

The Choral Society is an organization consisting of members from the student body and residents of the city. The organization sings creations of the oratorio and cantata type. One hour credit year in the college is given for a satisfactory attendance and interest in this work. Conservatory students are urged to have a certain amount of ensemble work for graduation in the department.

The Men's Glee Club is an organization of a limited membership and consists of those who have been chosen by the process of elimination. The club studies interesting four part choruses, selections of modern composers, with a view of appearing in programs.

The Ladies' Glee Club shows exceptional spirit in some of the most accomplished of modern choruses. The works of Dvorak, Wagner, Saint-Saens, and other composers are being successfully studied. Programs are given each year in the vicinity.

A course of study consisting of four years' work will be required of candidates for teachers, certificate. An additional two years of Repertoire and coaching will be required of candidates working for a degree.

A carefully graded selection of vocalises for each year is used in connection with carefully selected songs ranging from simple art Ballade up to coloratura and Bravura Arias.

Candidates for Teachers' Certificates must have completed—

Two years' work in Harmony
One year's work in Composition

Two years' work in Music History
One year's work in Piano

An additional year of Counterpoint is required of candidates for degree.

VIOLIN

The need of expert instruction from the beginning is perhaps more essential in Violin than in any other instrument, due to the unnatural positions which the student must assume and cultivate until he has become thoroughly acquainted with various phases of good violin playing. Although difficult to master, the violin always stands supreme among orchestral and solo instruments because of its intimacy to the player and because almost from the beginning, one derives the utmost pleasure from its study.

The Belgian School of Violin playing is followed, but the student must be familiar with all schools to a greater or less degree. The course is divided into Preparatory, Certificate, and Degree courses, of two, four, and six years respectively.

PREPARATORY COURSE

First Year.—Two lessons a week. Studies from Henning, Hohman, Sitt. Etudes from Kayser, Wohlfart, Dancla. Easy pieces, duets, etc. Scales.

Second Year.—Two lessons a week. Technical studies from Sevcik, Casorti, Sitt, Dont, Kayser, Schradieck, with a thorough study of first five positions. Concertos by Rode, Kreutzer, Standard solos, according to student's ability. Elementary study of Kreutzer etudes. Scales.

CERTIFICATE COURSE

Third Year.—Two lessons a week. Studies from Sevcik, Schradieck, Parent, Mazas, Kreutzer. Etudes

reviewed and thoroughly studied. Standard solos and concertos by De Beriot Spohr, Viotti and Uhe.

Fourth Year.—Two lessons a week. Studies from Sevcik, Schradieck, Correlli, Tartini. Etudes from Fiorillo, Rode, Mazas. Intense work in Kreutzer, including correct left hand work and bowing. Concertos by Wieniawski, Viotti, Spohr. Sonatas by Handel, Grieg, Gade, Tartini, Mozart. Credit for recital numbers.

DEGREE COURSES

(Leading to degree Bachelor of Music in Violin.)

Fifth Year.—Thorough review of fourth year with systematic study of various scale studies in double stops, four octave scales, accuracy in position work, and mastery of bow. Studies selected according to the student's need. Beethoven's Sonatas, Sonatas by Franck, D'Indy, Parent, Mozart, Reger, Concertos by Mendelssohn, Bruch, and others.

Sixth Year.—Devoted to finish and repertoire. Studies as needed. Study of Violin, its history and various schools of playing. Knowledge of orchestral instruments and of orchestration. Each degree student must write and orchestrate a composition of not fewer than fifty measures and must play standard concerts with orchestra. Advanced composition by J. S. Bach, Vieuxtemps, etc. Two years of piano are also required.

VIOLA

The Viola should be studied by every advanced violin student because of the advantage gained in technical achievement and for ensemble playing, string quartets, trios, etc.

REQUIREMENTS

Candidates for degree in violin must finish two

years harmony, one year counterpoint, one-half year canon and fugue, and one-half year composition and orchestration; also eight hours history of music.

CLASS INSTRUCTION

Classes for younger children are taught at much reduced rates. These classes are very satisfactory and add interest to the first year of study. Rates will depend upon the number in each class. Class method is used universally in Europe for young children. This accounts for the large number of prodigies, which are so rare in America. Credit is allowed on the same basis as for work in Piano and Voice.

ORCHESTRA

The Orchestra is open to all who desire to learn something of standard orchestra works and who pass suitable examinations for admission. Special inducements are offered to cellist, flute, French horn, or bassoon players. Write for information to A. R. Lauer, director. One hour credit is given. The instrumentation is complete and standard symphonic numbers are used.

BAND

An opportunity is offered for those who wish to play and receive instructions on any band instrument. The band is under the same regulations and direction as the orchestra. Those who wish to play must avail themselves of the best instruments.

CONDUCTING

A one-hour course open to all students of music but required of all candidates for certificate or degree. The course of conducting is based upon the best modern authorities, Berlioz, Wagner and Gherkins. **One hour.**

THEORY OF MUSIC AND COMPOSITION.**First Year.****First semester—**

1. Elementary harmony and theory. Two hours.
2. Sight Singing and practical application of course. Two hours.

Second semester—

3. Thorough course in harmony, scales, and intervals. Two hours.
4. Various chords of seventh and ninth and their inversions Practical application Two hours.

Second Year.**First semester—**

5. Modulations, key relations, altered, diminished, and augmented chords. Two hours.
6. Modern harmony and non-harmonic tones. Two hours.

Second semester—

7. Harmonic analysis of standard works. Note book of chords required. Two hours.
8. Advanced harmony. Instrumental application of theoretical knowledge acquired in preceding courses. Two hours.

Third Year.**First semester—**

10. Counterpoint in a detailed study of technicalities in general. Two hours.
11. Applied counterpoint and harmonic relationship to composition. Two hours.

Second semester—

12. Canon and fugue. Two hours.
13. Musical form and composition in miniature. Two hours.

Fourth Year.

First semester—

14. Study of various forms of composition and outline works of structural composition. Two hours.
15. Writing of some standard form of composition in larger form at option of student, Research and transcription. Two hours.

Second semester—

16. Thorough study of instruments in their respective order. A general understanding must be acquired of their possibilities, Study of scores and orchestration of some number to be selected by the student at the suggestion of the instructor. Three hours.
17. Original subject to be invented, developed, and worked out in some form of orchestral composition, at the option of the student under the direction of the instructor. This course is intended to develop the initiative of the student. More time may be required for the completion of this course at the option of the teacher. Two hours.

The above course is outlined leading to the degree Bachelor of Music in composition. Not more than six hours in theory can be carried at once and this must be in successive courses. Only those who major in music can carry the full theory course. Those who major in composition must have supplementary work to above. Credit is given for work done previously according to work accomplished.

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 Starr phonograph is used to illustrate each subject. This course is offered particularly for college students and no previous technical training is required. One hour.

EAR TRAINING

This course includes a recognition of intervals, a study of rhythms, writing of simple melodies from dictation. The course trains the ear to hear correctly and the mind to think musically. One or two hours.

Candidates for certificates must have high school diploma and candidates for degree must present sixty hours above the required high school units.

All candidates for graduation from any course in music department must pass an examination before a board consisting of the Faculty of the Music School.

HISTORY OF MUSIC

First Year.

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

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

Second Year.

3. A complete review of current history of music, artists, opera, orchestra, and modern composers. Lectures and research work. This course is intended to cultivate a broad knowledge of instruments and music for those who intend to make music a profession.

4. Special course to each class, especially in piano, violin, or voice. A study of recognized artists, repertoire, etc. Research work. Required of all degree or diploma students.

Credit is given in above courses according to hours spent in class.

Six hours Theory, including Harmony, are required before applied music may be given credit towards the degree Bachelor of Arts or college equivalent.

Sixty hours of work above high school, including 24 hours of Theory must be presented by a candidate for the degree Bachelor of Music.

All public productions pertaining to the School of Music must be passed upon by the head of the proper department or a committee from the faculty.

Students wishing to major in Music should consult with the Music School faculty in regard to their courses of study before they enroll.

Candidates for graduation from any department in the School of Music must pass an examination before a board composed of members chosen from the faculty of this School.

PRICES OF COURSES

Piano, Voice or Violin under head instructor.

	One lesson a week each semester.			Two lessons a week each semester.		
	Prep.	Cer.	Degree.	Prep.	Cer.	Degree.
Miss Brown	\$20.00	\$22.50	\$25.00	\$40.00	\$45.00	\$50.00
Mr. Gaw	20.00	22.50	25.00	40.00	45.00	50.00
Mr. Lauer	20.00	22.50	25.00	40.00	45.00	50.00
Under assistant						
Miss Vaniman	18.00	20.00		36.00	40.00	

History, Theory, Harmony, Appreciation, Analysis, Counterpoint, Canon and Fugue, Form, Com-

position, Orchestration, Ear Training, or Conducting.
A semester hour—\$5.00.

When less 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 5-12—four in class—each semester (45 minute lesson a week)—each pupil—\$9.00.

THE ART SCHOOL

MRS. J. W. DEETER, B. S. D.

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 wonderfully wide range of subjects for interpretation and study and much stress is laid on perspective, comparison of proportions, and light and shade. Only the best of materials are used. All work must pass the inspection of the teacher before pronounced finished. The courses of study are as follows:

I. China Decorating.—This includes conventional, Semi-Conventional, and Naturalistic Designing; also the application of Lustres and Matts. All work is retouched by the teacher so as to insure finished work of value. Class lessons, 3 hours each. Limit, 6 in a class. 1½ hrs. credit.

II. Water Color.—Standard Studies, Nature, and Life are used in this course. Whatman's H. P. Board is used, which allows for much dampening and insures a good blending of color. The washy method is used for trees, backgrounds, and landscapes, and the Italian method for painting faces. Class lessons, 3 hours each. Limit, 6 in a class. 1½ hrs. credit.

III. Pastel Painting.—One of the easiest and most beautiful mediums in use is pastel. A picture may be finished in less time and the colors blend more beautifully than in any other medium. It makes beautiful pictures for your home or room. The colors are rubbed into sanded board. Class lessons, 3 hours each. Limit, 6 in a class. 1½ hrs. credit.

IV. Chalk Drawing.—A good course for ministers, Sunday School teachers, and public speakers. Material is worked out in connection with songs, poems, sermons, and secular addresses, such as Anti-Tobacco lectures. Some comic studies are included to give variety. Class lessons, 3 hours.

V. Drawing and Charcoal.—This course is especially helpful to students who wish to teach art in public schools. A few lessons are given in Poster and Letter Making, Designing, Water Color, and Modeling. Then pencil and charcoal drawing from objects, still life, nature and human life. Class lesson, 3 hours. (Once a week). 1½ hrs. credit.

VI. Reed Weaving.—This is an especially interesting course open to all students, although credit is given to those in the academy only. A thorough knowledge of the different weaves is gained through the making of baskets, trays, lamps, chairs, etc. Many useful articles are made in this class. Class lessons, 4 hours (Once a week.) 2 hrs. credit.

VII. Oil Painting.—This will be taught if sufficient demand is made.

TUITION

Course I.	A semester, one lesson a week ..	\$15.00
Course II.	A semester, one lesson a week ..	16.00
Course III.	A semester, one lesson a week ..	15.00
Course IV.	A semester, one lesson (2 hours) a week ..	15.00
Course VI.	A semester, one lesson a week...	5.00
Special lessons each.....		1.00

Course V. is intended for public school teachers and is elective without extra tuition.

All tuition is payable in advance. No deduction is made for absence. Excused lessons must be made up during the semester.

COMMERCIAL DEPARTMENT

J. HOWARD FRIES, SUPERINTENDENT.

BETTER PREPARATION FOR BUSINESS IS AFFORDED AT McPHERSON COLLEGE

The purpose of this department is to furnish the student with a practical education in the principles and methods of modern business. We believe in character building as fundamental to any business training, and our aim is to render our graduates distinguishable by their manly and womanly bearing, and sound business principles.

The regular one-year course has been prepared for students who desire to enter business as book-keepers, or as general office assistants. The advanced two-year course offers a thoroughly modern course for those who are preparing to meet the demand for teachers of commercial subjects in high schools.

This department affords many valuable advantages which cannot be secured in the ordinary business college. Our commercial students take part in the various athletic and literary activities of the school. The literary societies, public programs, library and reading rooms, and gymnasium are some of the advantages which every thoughtful student will consider in selecting a school.

Each student who satisfactorily completes either

the regular course or the advanced course will receive a diploma.

BOOK-KEEPING

No person can give an intelligent record of a series of business transactions without a thorough knowledge of the fundamental principles of book-keeping and accounting. We use one of the latest and most practical courses published. The forms have been drawn from actual transactions and many of them are being used today by practicing accountants. The student becomes familiar with the necessary business forms by receiving, filing and issuing all business papers.

COMMERCIAL ORTHOGRAPHY

The importance of correct spelling can hardly be overestimated. Nothing stamps one as illiterate so quickly as poor spelling. Various attempts have been made to simplify our language and reduce it to a phonetic basis but as yet nothing has been accomplished in this direction. It remains for us to spell the language as it is or suffer for our neglect.

COMMERCIAL ARITHMETIC

Next to bookkeeping this is the most practical subject in the commercial course. To be able to figure quickly and accurately problems involving interest, discount, commission, percentage, etc., is an asset of no small value.

BUSINESS ENGLISH.

The great amount of business which is transacted today by correspondence is sufficient to convince anyone of the importance of this subject. There is no difference between "good English" and "business English," but in this subject we consider as far

as possible the language peculiar to business transactions.

COMMERCIAL LAW.

Although the legal maxim "Ignorance of the law excuses none" applies to all, we do not aim in this course to produce lawyers. Our purpose is to acquaint the student with his legal rights and responsibilities, and thereby enable him to avoid litigation. Some of the most costly lawsuits have been due to ignorance of simple principles of contracts.

PENMANSHIP

Good business writing is one of the most important elements in commercial training. An easy, legible rapid business hand always has commercial value. He who possesses a good business hand writing always receives the preference, provided other things are equal. We impart instruction in the very best and latest systems and improvement is certain to crown faithful efforts.

Students having mastered the fundamental principles of good business writing, will be given individual work in ornamental penmanship, lettering, flourishing, and engrossing.

COMMERCIAL GEOGRAPHY

This is a thorough study of agricultural, mineral, and manufactured products; trade centers; routes of commerce on land and sea; and general commercial conditions.

HIGHER COMMERCIAL EDUCATION

After completing the ordinary commercial course we have provided a year of advanced work in which the student receives a broad and extensive insight into the affairs of the business world. This course is

designed to fit the student for the position as manager of a business.

HISTORY OF COMMERCE

A history of the world's commerce is a story of much more than international barter and sale. A nation's commerce is born of its industry and is a part of its struggle for the necessities, the comforts, and the luxuries of life. The story is taught in a systematic manner, in order that the student may get a clear-cut picture of the commercial growth and decay of nations, and an understanding of the forces, industrial, social and climatic, which have contributed to the steady expansion of the world's trade.

HIGHER ACCOUNTING

Advanced work is given in book-keeping, such as expert accounting, labor-saving methods, auditing, corporation and cost-accounting, and banking.

POLITICAL ECONOMY

A study of the laws governing wages, prices and interest, system of taxation, influence of legislation, tariff, free trade, trusts, and a host of other important items influencing commercial development.

CIVICS.

A study of our systems of national, state and municipal governments, as embodied in their legislative, judicial and executive departments; duties and obligations of citizenship.

AMERICAN NATIONAL BANKING

A practical Banking course. Especially strong in Exchange work. The "cap sheaf" of a business course.

COMMERCIAL COURSE

First Year

Second Year

First Semester	Bookkeeping $\frac{1}{2}$ unit Commercial Arithmetic $\frac{1}{2}$ unit English $\frac{1}{2}$ unit Penmanship Orthography	Bookkeeping Political Economy Civics History of Commerce English
Second Semester	Bookkeeping $\frac{1}{2}$ unit Commercial Law $\frac{1}{2}$ unit Typewriting $\frac{1}{2}$ unit English $\frac{1}{2}$ unit Penmanship Commercial Geography	*Bookkeeping *Banking Civics Typewriting Salesmanship English

*Elective

STENOGRAPHY

E. J. UNRUH

1. **Shorthand 1.**—This course will consist of a thorough study of the Gregg Shorthand system, which includes learning the principles of the system, an extensive vocabulary of wordsigns and contractions, as well as some elementary dictation. **First semester, $\frac{1}{2}$ unit.**

2. **Shorthand 2.**—The work in this course is a continuation of course one and consists of the following: A study of Gregg Speed Practice, the nature of which is implied by the name of the text; reading compositions in shorthand, such as Letters From a Self-Made Merchant to His Son; transcription work; and styles and forms of effective business letters. Special attention will be paid to punctuation. **Second semester, $\frac{1}{2}$ unit.**

3. **Typewriting.**—The touch system. **THE ONLY**

SYSTEM, is being taught. The course begins with some extensive keyboard drilling which familiarizes the student with the letters, figures, and symbols, following which regular speed writing is taken up. Tabulating, statement writing, and care of the machine are other features included in the course. **First and second semesters, $\frac{1}{2}$ unit.**

4. Orthography.—The purpose of this course is to familiarize the students with the principles of orthography, as well as with the spelling of a large variety of words used in regular business routine. **First semester,**

5. English 1 and 2.—(See Academy Department).

6. Secretaryship.—This course will consist of a study of the duties of a secretary-stenographer. A treatise on office methods and some practical training along stenographic lines is also included. **Second semester, $\frac{1}{2}$ unit.**

OUTLINE OF COURSES

First Semester		Second Semester	
Shorthand	$\frac{1}{2}$ unit	Shorthand	$\frac{1}{2}$ unit
Typewriting	$\frac{1}{2}$ unit	Typewriting	$\frac{1}{2}$ unit
English 1	$\frac{1}{2}$ unit	English 2	$\frac{1}{2}$ unit
Orthography		Secretaryship	$\frac{1}{2}$ unit

STUDENT REGISTER, 1921-22.

POST GRADUATE.

Eakes, L. H.	McPherson, Kan.
Flory, Raymond C.	McPherson, Kan.
Hadley, Tillie Inez	Holmesville, Nebr.
Lundeen, John D.	McPherson, Kan.
Merkey, Samuel	Cloud Chief, Okla.

SENIOR COLLEGE.

Batburst, J. Elmer	McPherson, Kan.
Beam, Harold	Holmesville, Nebr.
Blackman, Leslie E.	McPherson, Kan.
Brubaker, Crawford F.	McPherson, Kan.
Brubaker, Mrs. C. F.	McPherson, Kan.
Crist, Maud	Skidmore, Mo.
Crumpacker, W. L.	McPherson, Kan.
Cullen, Nellie	McPherson, Kan.
Eshelman, C. A.	McPherson, Kan.
Foutz, Homer	Guide Rock, Nebr.
Frantz, Bertha A.	Conway Springs, Kan.
Heckman, Letha	Garden City, Kan.
Hjelm, Fritz J.	McPherson, Kan.
Holmes, Olive	Carthage, Mo.
Holsinger, Ralph	Agra, Okla.
Johnson, Josephine	McPherson, Kan.
Kilmer, Ruth	McPherson, Kan.
King, Mayme	Larned, Kan.
Lauer, Alvhh.	Creston, Ia.
Lundeen, G. E.	McPherson, Kan.
Martin, Rodney	Wiley, Colo.
Martin, Scott	Wiley, Colo.
Meyer, Marguerite	McPherson, Kan.
Miller, Dorothea	Galva, Kan.
Miller, Grace	Galva, Kan.
Miller, Mary	Blackwell, Okla.
Miller, Ruth	Blackwell, Okla.
Mohler, Cathryns	Grand Junction, Colo.
Mohler, Marguerite	Plattsburg, Mo.
Morris, Mrs. C. S.	McPherson, Kan.
Muse Marguerite	McPherson, Kan.
Myers, Arthur	McPherson, Kan.
Neber, Roy	McCune, Kan.
Neber, S. J.	McPherson, Kan.
Pair, Paul	Beatrice, Nebr.
Rump, August	Conway, Kan.
Rupp, Elmer	Flowella, Tex.
Sager, Dewitte	McPherson, Kan.
Saylor, Galen	Carleton, Nebr.
Saylor, Lloyd	Carleton, Nebr.

Silfer, Fahrney	Nickerson, Kan.
Stiles, Ira D.	McPherson, Kan.
Stover, Henry R.	McPherson, Kan.
Strickler, Glenn	Ramona, Kan.
Strohm, Ralph Y.	Redfield, Kan.
Studebaker, Iva	McPherson, Kan.
Terflinger, Roy	Manmouth, Kan.
Tice, Galen	Summerfield, Kan.
Tousley, Emma	Scottville, Mich.
Trapp, Oliver W.	Wichita, Kan.
Tracey, Jay W.	Twin Falls, Ida.
Wine, Emery	Woodside, Del.
Witmore, Irma	McPherson, Kan.
Whitmer, Ethel	Zenda, Kan.

COLLEGE JUNIORS

Bowman, Stella	Quinter, Kan.
Bowers, Harry	Payette, Ida.
Brammell, Everett	Ozawkie, Kan.
Brammell, Ira	Ozawkie, Kan.
Brammell, P. Roy	Ozawkie, Kan.
Brunk, Elmer	McPherson, Kan.
Byerly, Marietta	Elk City, Okla.
Carter, Carl	Lyons, Kan.
Carter, Jessie	Lyons, Kan.
Correll, Ada	Abilene, Kan.
Crumpacker, Earl	McPherson, Kan.
Crumpacker, Eulah	McPherson, Kan.
Crumpacker, Grace	McPherson, Kan.
Cripe, Ruth	McPherson, Kan.
Cullen, Marie	McPherson, Kan.
Curtis, Iva	McPherson, Kan.
Daggett, John	Independence, Kan.
Davenport, Willa	McPherson, Kan.
Dell, Carl	Beatrice, Neb.
Engle, Estella	Hope, Kan.
Enriken, Grace	McPherson, Kan.
Fasnacht, Naomi	Wiley, Colo.
Florman, Lewis	McPherson, Kan.
Fisher, Earl	Fruitland, Ida.
Funkhouser, O. T.	Winchester, Va.
Garvey, Jess	McPherson, Kan.
Holcomb, Floyd	Canton, Kan.
Hoover, Foster	Lone Star, Kan.
Hylton, Roy P.	Protection, Kan.
Johnson, Glenn A.	McPherson, Kan.
Lehman, Ralph	Carlton, Kan.
Martin, Cecile	McPherson, Kan.
Mehler, John L.	Leeton, Mo.
McClelland, Hervey	McPherson, Kan.
Neher, Mark	Leeton, Mo.
Nice, Milo	Columbus, Kan.
Penland, Wilson	McPherson, Kan.

Pots, Orville	Ripley, Okla.
Rupp, Clyde	Flowella, Tex.
Schermerhorn, Albert	Cassopolis, Mich.
Schermerhorn, Ernest, Jr.	Cassopolis, Mich.
Showalter, Clarence	McPherson, Kan.
Stover, Mrs. Henry R.	McPherson, Kan.
Vaniman, Laurence	McPherson, Kan.
Vaniman, Pauline	McPherson, Kan.
Vaniman, Rowena	McPherson, Kan.
Vaniman, Victor	Cordell, Okla.
Yoder, Jacob	Carleton, Neb.

COLLEGE SOPHOMORE.

Alger, L. L.	McPherson, Kan.
Almen, Eunice	McPherson, Kan.
Batts, Vilas	McPherson, Kan.
Batts, Mrs. Vilas	McPherson, Kan.
Bishop, William E.	Sterling, Kan.
Boggs, Calvin	Sidney, Ind.
Boone, Olive	McPherson, Kan.
Brubaker, Elmer	McPherson, Kan.
Brubaker, Everett	McPherson, Kan.
Brubaker, David	McPherson, Kan.
Brubaker, Gladys	McPherson, Kan.
Brubaker, Gilbert	McPherson, Kan.
Clark, Raymond	McPherson, Kan.
Cline, Clyde	Hope, Kan.
Correll, Harold	Ablene, Kan.
Crumpacker, Leonard	McPherson, Kan.
Crumpacker, Mrs. Leonard	McPherson, Kan.
Crumpacker, Mrs. W. Lloyd	McPherson, Kan.
Crumpacker, Sanger	McPherson, Kan.
Curtis, Merie L.	McPherson, Kan.
Daggett, Rufus	Independence, Kan.
Day, Della	McPherson, Kan.
Derrick, Nellie	Ablene, Kan.
Dracert, Carl G.	Thornburg, Ia.
Ebaugh, Grace	McPherson, Kan.
Elliott, Helen	McPherson, Kan.
Eshelman, Sumner	McPherson, Kan.
Eshelman, Mrs. Carrie	McPherson, Kan.
Fast, Rhea	Ashland, O.
Fleming, L. Avery	McPherson, Kan.
Fishburn, Neva	Overbrook, Kan.
Gnagay, L. Valliant	Fruita, Colo.
Hayes, Cecil B.	Miami, N. Mex.
Hiebert, Theodore	McPherson, Kan.
Ihrig, Irvin	McPherson, Kan.
Inley, Haddon	McPherson, Kan.
Jacobs, Helen	McPherson, Kan.
Johnson, Ida	Wichita, Kan.
Jones, Roland	McPherson, Kan.
Kingle, Lila	Nickerson, Kan.

Kurtz, Ada.....	Hartville, O.
Loshbaugh, Ralph.....	McPherson, Kan.
Marchand, Earl.....	McPherson, Kan.
Maxwell, Emileigh.....	Galva, Kan.
Maust, Samuel.....	Waterloo, Ia.
McKinney, Belle.....	McPherson, Kan.
Merkey, Maude.....	Portia, Kan.
Michael, H. D.....	McPherson, Kan.
Moyer, Ida.....	Wiley, Colo.
Muse, Edith.....	McPherson, Kan.
McGaffey, Winona.....	McPherson, Kan.
Nelson, Peter.....	McPherson, Kan.
Pentecost, Ruth.....	Lenton, Mo.
Prather, Arthur.....	Mound City, Mo.
Robb, Theodore.....	McPherson, Kan.
Sargent, Paul.....	Fruitland, Colo.
Vaniman, Ray.....	Cordell, Okla.
Warwick, Lola.....	Galva, Kan.
Yoder, Harlan.....	McPherson, Kan.
Slifer, John.....	Nickerson, Kan.

FRESHMAN COLLEGE

Ball, Jennie.....	Belleville, Kan.
Berg, Lola Marie.....	McPherson, Kan.
Blough, Ida.....	McPherson, Kan.
Boone, Frank.....	McPherson, Kan.
Brammell, Iva.....	Ozawkie, Kan.
Burkholder, Morel.....	Burr Oak, Kan.
Burgin, William.....	Burr Oak, Kan.
Carpenter, Mildred.....	McPherson, Kan.
Colburn, F. A.....	McPherson, Kan.
Correll, Sada.....	Abeneo, Kan.
Crist, Lee.....	Skidmore, Mo.
Crumpacker, Lillie.....	McPherson, Kan.
Crofoot, Ervin.....	Canton, Kan.
Daron, Garman.....	McPherson, Kan.
Diller, Virgil.....	Nash, Okla.
Doane, Dorothy.....	Canton, Kan.
Doty, LeRoy.....	Redmond, Ore.
Ecton, Keith.....	Lamar, Colo.
Eller, Jay.....	Arriba, Colo.
Ellwood, Olin.....	Windom, Kan.
Fike, Grace.....	Ramona, Kan.
Fisher, Glade.....	Fruitland, Ida.
Fisher, Mildred.....	Fruitland, Ida.
Fornay, Elsie.....	Lawrence, Kan.
Frey, Eunice.....	Girard, Ill.
Garst, Helen.....	Watson, Mo.
Garman, Ralph.....	Payette, Ida.
Gish, Maude.....	Holmesville, Neb.
Gish, Warren.....	McPherson, Kan.
Harnly, John.....	Zion, Ill.
Hartell, Herman.....	Plattsburg, Mo.

Hartell, Helen	Plattsburg, Mo.
Hawthorne, Marjorie	Gypsum, Kan.
Heckman, Chressie	Overbrook, Kan.
High, Marathon	New Plymouth, Kan.
Himes, Addie	Hope, Kan.
Himes, Ralph	Hope, Kan.
Hoffman, Mabel	Abilene, Kan.
Humbarger, John C.	Falls City, Neb.
Johnson, Carl	McPherson, Kan.
Jones, Russell	McPherson, Kan.
Jones, Julia	McPherson, Kan.
Keim, Richard	Nampa, Ida.
Keim, Stanley	Nampa, Ida.
King, Ruth	Windom, Kan.
Kinzle, Roy C.	McPherson, Kan.
Kistner, Eugene	Sabetha, Kan.
Krehbiel, Kenneth	McPherson, Kan.
Kubin, Milford	McPherson, Kan.
Kurtz, Paul	Greentown, O.
Lawver, Edward	Omega, Okla.
Longel, Anna	Burlington, Colo.
Leatherman, Lorinda	Arlington, Kan.
Linholt, Earl	McPherson, Kan.
Long, Vivian	McPherson, Kan.
Martin, Ruth	Payette, Ida.
Mattson, Mayme	McPherson, Kan.
Mikow, Louis	Elyria, Kan.
Miller, Irene	Galva, Kan.
Miller, Lola	Sabetha, Kan.
Mohler, Alta	Fruitland, Ida.
Mohler, Rose	Luston, Mo.
Morris, Earl F.	Peru, Ind.
Morrison, Ada	Canton, Kan.
McAvoy, Ocie	Thomas, Okla.
McBride, Harold	Dunavant, Kan.
McGaffey, Maxine	Abilene, Kan.
Ogden, Lester	Unionville, Ia.
Pair, Emmert	Beatrice, Neb.
Peck, Bernice	Falls City, Neb.
Peck, Wilbur	Reserve, Kan.
Ring, Doris	McPherson, Kan.
Rodes, Arno	Clovia N. Mex.
Ruthrauff, Curtis	Redfield, Kan.
Serviss, Lucy	Canton, Kan.
Serviss, Luella	Canton, Kan.
Shores, Varo	McPherson, Kan.
Slifer, Edith	Hagerstown, Md.
Sondergard, Welcome	Ramona, Kan.
Stuebaker, Reetha	McPherson, Kan.
Swander, O. J.	McPherson, Kan.
Thornton, Arnold	McPherson, Kan.
Thomas, W. I.	Canton, Kan.
Unruh, Albert	Hillsboro, Kan.

Unruh, E. J.	Hillsboro, Kan.
Vaniman, Elberta	McPherson, Kan.
Wass, Dennie	Fredonia, Kan.
Wall, Margaret	McPherson, Kan.
Wampler, Herkie	McPherson, Kan.
Warner, L. T.	Canton, Kan.
Watkins, Cella	Enterprise, Kan.
Wittfogel, Pearl	Cordell, Okla.
Wenrick, Mirian	Leeton, Kan.
Witmore, Gertrude	McPherson, Kan.
Wrighteman, Glenna	Virden, Ill.

SENIOR ACADEMY.

Adamsen, Gladys	McPherson, Kan.
Amor, Jennie	McClave, Colo.
Birkin, Leonard	McPherson, Kan.
Birkin, Mrs. Leonard	McPherson, Kan.
Bowman, Laura	Hardin, Mo.
Bron, Earl	McPherson, Kan.
Crumpacker, Leo	McPherson, Kan.
Crumpacker, Lillie	McPherson, Kan.
Dell, Milton	Beatrice, Neb.
Edgcomb, Minnie	McPherson, Kan.
Fleming, Mrs. L. Avery	McPherson, Kan.
Hatcher, Clio	Bloom, Kan.
Howard, Olive	Holmesville, Neb.
Johnson, Irene	McPherson, Kan.
Luckett, W. T.	McPherson, Kan.
Rhodes, Floye	McPherson, Kan.
Sargent, Leslie	Payette, Ida.
Stump, Marvin	Inman, Kan.
Stump, Viola	Wawaka, Tex.
Vaniman, Anita	Cordell, Okla.
VanPelt, Etta	Richmond, Mo.
Vancoyoc, May	Mont Ida, Kan.
Wallace, Mrs. Marjorie	Bloom, Kan.
Watkins, Edith	Mont Ida, Kan.
Wedel, Ruth	Galva, Kan.
Wedel, Sadie	Galva, Kan.
Westrick, Floyd	Belleville, Kan.
Wray, Eunice	Ponoma, Kan.
Yoder, Neva	Conway, Kan.

JUNIOR ACADEMY.

Annabil, Paul	McPherson, Kan.
Brand, Russell	McPherson, Kan.
Edgcomb, Anna	McPherson, Kan.
Evans, Franklin	Kearney, Neb.
Finrock, Norma	Darlow, Kan.
Hill, Ethel	Partridge, Kan.
Lengel, Charles	Burlington, Colo.
Lengel, John	Burlington, Colo.
Lehman, Harry	Carlton, Kan.

Lehman, Harvey.....	Carlton, Kan.
Lingle, Anna.....	McPherson, Kan.
Lyons, Evelyn.....	McPherson, Kan.
Tester, Grace.....	Conway, Kan.

SOPHOMORE ACADEMY.

Austin, William.....	Fruita, Colo.
Bowser, Viola.....	Ableene, Kan.
Eschmann, Henrietta.....	McPherson, Kan.
Eschmann, Minnie.....	McPherson, Kan.
Fishburn, Gladys.....	Overbrook, Kan.
Hawkins, Clarence.....	Helena, Okla.
Hutchinson, Minnie.....	Thomas, Okla.
Johnson, Edna.....	Elyria, Kan.
Johnson, Elroy.....	Lindsborg, Kan.
Krehbiel, John.....	Castleton, Kan.
Lengel, Ida.....	Burlington, Colo.
Lehman, John.....	Carlton, Kan.
Miller, Beauford.....	McPherson, Kan.
Mudra, William.....	Cicero, Ill.
McClelland, Everett.....	McPherson, Kan.
McClelland, Laura.....	McPherson, Kan.
McGougle, Elmer.....	Nickerson, Kan.
Watkins, Ruth.....	Mont Ida, Kan.
Whiteneck, Mary.....	Aline, Okla.

FRESHMAN.

Bowman, Ida.....	Hardin, Mo.
Brubaker, Marie.....	McPherson, Kan.
Carney, Jesse.....	Novelty, Mo.
Clark, Russell.....	McPherson, Kan.
Crabb, Vernon.....	Elyria, Kan.
Dresher, Margaret.....	Canton, Kan.
Eschmann, Emma.....	McPherson, Kan.
Frow, Ferris.....	McPherson, Kan.
Haas, Franklin.....	Nickerson, Kan.
Hanson, Selma.....	McPherson, Kan.
Hoover, Dorsey.....	Lone Star, Kan.
Lawver, Alta.....	McPherson, Kan.
Farr, Norvin.....	McPherson, Kan.
Stauffer, Edgar.....	Ayr, Neb.
Sitta, Ned.....	McPherson, Kan.
Sitta, Raymond.....	McPherson, Kan.
Stouder, Merle.....	McPherson, Kan.
Stouder, Salome.....	McPherson, Kan.
Tompson, Kathryn.....	Red Cloud, Neb.

BIBLE

Alger, L. L.....	McPherson, Kan.
Ball, Jessie.....	Belleville, Kan.
Blackman, Leslie.....	McPherson, Kan.
Boone, Olive.....	McPherson, Kan.
Brubaker, David E.....	McPherson, Kan.

Brubaker, Everett	McPherson, Kan.
Brubaker, J. Gilbert	McPherson, Kan.
Bowman, Laura	Hardin, Mo.
Brand, Russell	McPherson, Kan.
Cline, Clyde	Navarro, Kan.
Carney, Jesse	Novelty, Mo.
Correll, Harold	Abilene, Kan.
Crumpacker, Grace	McPherson, Kan.
Crumpacker, Leo	McPherson, Kan.
Crumpacker, Lillie	McPherson, Kan.
Cripe, Ruth	McPherson, Kan.
Curtis, Merle L.	McPherson, Kan.
Daron, Garman	McPherson, Kan.
Davenport, Willa	McPherson, Kan.
Dell, Carl	Beatrice, Neb.
Derrick, Nellie	Abilene, Kan.
Eakes, L. H.	McPherson, Kan.
Edgecomb, Anna	McPherson, Kan.
Elliott, Helen	McPherson, Kan.
Eshelman, C. A.	McPherson, Kan.
Fast, Rhea	Ashland, Ohio
Finfrock, Norma	Darlow, Kan.
Fishburn, Neva	Overbrook, Kan.
Fleming, L. Avery	McPherson, Kan.
Flory, Raymond C.	McPherson, Kan.
Flory, Mrs. Raymond C.	McPherson, Kan.
Forney, Elsie	Lawrence, Kan.
Foutz, Homer	Guide Rock, Neb.
Garvey, Jesse	Leeton, Mo.
Gish, Warren	McPherson, Kan.
Hadley, Tillie	Holmesville, Neb.
Hayes, Cecil B.	McClave, Colo.
Heckman, Letha	Garden City, Kan.
Haley, Haddon	McPherson, Kan.
Johnson, Glenn	McPherson, Kan.
Johnson, Irene	McPherson, Kan.
Kurtz, Ada	Hartville, Ohio
Long, H. C.	McPherson, Kan.
Long, Mrs. H. C.	McPherson, Kan.
Lyons, Evelyn	McPherson, Kan.
McClelland, Laura	McPherson, Kan.
Marchand, F. E.	McPherson, Kan.
Martin, Scott	Wiley, Colo.
Merkey, Maude	Portis, Kan.
Merkey, Samuel	Cloud Chief, Okla.
Miller, Beauford F.	McPherson, Kan.
Moyer, Ida	Wiley, Colo.
Muse, Edith	McPherson, Kan.
Neher, S. J.	Leeton, Mo.
Neher, Mrs. S. J.	Leeton, Mo.
Pentecost, Ruth	Leeton, Mo.
Pote, Orville	Ripley, Okla.
Rhodes, Floyo	McPherson, Kan.

Ruthrauff, Alma	Redfield, Kan.
Sager, Dewitte	McPherson, Kan.
Bargent, Leslie	Payette, Ida.
Saylor, Lloyd	Carleton, Neb.
Spitzer, Ben	McClave, Colo.
Stauffer, Edgar	Ayr, Neb.
Stouder, Merle	McPherson, Kan.
Stouder, Salome	McPherson, Kan.
Stover, H. R.	McPherson, Kan.
Stover, Mrs. H. R.	McPherson, Kan.
Strickler, Dale	Ramona, Kan.
Strohm, Ralph Y.	Redfield, Kan.
Studebaker, Iva	McPherson, Kan.
Stump, Viola	Wawaka, Tex.
Terflinger, Roy	Monmouth, Kan.
Vaniman, Pauline	McPherson, Kan.
Vaniman, Rowena	McPherson, Kan.
Vaniman, Victor	Cordell, Okla.
VanPelt, Etta	Richmond, Mo.
Vanscoyoc, May	Mount Ida, Kan.
Vanscoyoc, Omer	Mount Ida, Kan.
Waas, Bennie	Fredonia, Kan.
Wagoner, Carrie	Burr Oak, Kan.
Watkins, Wilbur Ellis	Enterprise, Kan.
Westrick, Floyd	Belleville, Kan.
Wray, Eunice	Pomona, Kan.
Yoder, Harlan	McPherson, Kan.

FINE ARTS.

Anderson, Cordella	McPherson, Kan.
Almen, Eunice	McPherson, Kan.
Ball, Jessie	Belleville, Kan.
Barnes, Ruth	McPherson, Kan.
Beam, Harold	Holmesville, Neb.
Betts, Mrs. Vilas	McPherson, Kan.
Beagrove, Edna	McPherson, Kan.
Bowers, Harry	Payette, Ida.
Bowman, Ida	Hardin, Mo.
Bowman, Laura	Hardin, Mo.
Bowmer, Florence	Abilene, Kan.
Brammell, Iva	Ozawkie, Kan.
Brammell, P. Roy	Ozawkie, Kan.
Brubaker, Marie	McPherson, Kan.
Caldwell, Eleanor	McPherson, Kan.
Cederholm, Carl	McPherson, Kan.
Crumpacker, Lillie	McPherson, Kan.
Craik, Warren	McPherson, Kan.
Curtis, Iva	McPherson, Kan.
Cullen, Nell	McPherson, Kan.
Cullen, Marie	McPherson, Kan.
Daron, Jessie	McPherson, Kan.
Deeter, Wendell	McPherson, Kan.
Dell, Carl	Beatrice, Neb.
Derrick, Nellie	Abilene, Kan.

Draegert, Carl.....	Thornburg, Ia.
Durst, Wileta.....	Moundridge, Kan.
Ebel, Lowell.....	McPherson, Kan.
Ebel, Oliver.....	McPherson, Kan.
Edgecomb, Minnie.....	McPherson, Kan.
Ek, Bud.....	McPherson, Kan.
Ek, Marjorie.....	McPherson, Kan.
Eshelman, Byron.....	McPherson, Kan.
Fast, Rhea.....	Ashland, O.
Fields, Eldon.....	McPherson, Kan.
Fields, Evalyn.....	McPherson, Kan.
Fields, Lila.....	McPherson, Kan.
Fleming, Mrs. L. Avery.....	McPherson, Kan.
Fisher, Mildred.....	Fruitland, Ida.
Flory, R. C.....	McPherson, Kan.
Flory, Mrs. R. C.....	McPherson, Kan.
Frantz, Bertha A.....	Conway Springs, Kan.
Frey, Eunice.....	Girard, Ill.
Freeburg, Carl.....	McPherson, Kan.
Garman, Ralph.....	Payette, Ida.
Garst, Helen.....	Watson, Mo.
Garvey, Jesse.....	Leetop, Mo.
Gaw, Mrs. Forrest W.....	McPherson, Kan.
Gish, Mrs. Warren.....	McPherson, Kan.
Gnagey, L. Valliant.....	Fruita, Colo.
Gray, Madalyn.....	McPherson, Kan.
Hanson, Harold.....	McPherson, Kan.
*Harnly, Nellie Ruth.....	McPherson, Kan.
Hartell, Helen.....	Plattsburg, Mo.
Hartell, Herrnan.....	Plattsburg, Mo.
Hastriter, Iva.....	McPherson, Kan.
Hatcher, Clio.....	Bloom, Kan.
Hawley, Elverta.....	McPherson, Kan.
Hayes, Cecil B.....	Miami, N. Mex.
Heckman, Chressie.....	Overbrook, Kan.
Hiebert, Ruth.....	McPherson, Kan.
High, Marathon.....	New Plymouth, Ida.
Hill, Ethel.....	Partridge, Kan.
Hill, Lola.....	McPherson, Kan.
Himes, Ralph.....	Hope, Kan.
Hodgeson, Paul.....	Little River, Kan.
Hoffman, Mabel.....	Ablene, Kan.
Howard, Olive.....	Holmesville, Neb.
Hultqvist, C. A.....	McPherson, Kan.
Hutchinson, Minnie.....	Thomas, Okla.
Jacobs, Helen.....	McPherson, Kan.
King, Mayme.....	Larned, Kan.
Kinsie, Lila.....	Nickerson, Kan.
Kinsie, Mrs. R. C.....	McPherson, Kan.
Kistner, Eugene.....	Sabetha, Kan.
Krehbiel, Elmer.....	Castleton, Kan.
Krehbiel, John.....	Castleton, Kan.

*Deceased.

Lawver, Alta.....	McPherson, Kan.
Lengel, Ida.....	Burlington, Colo.
Lengel, Anna.....	Burlington, Colo.
Lindbloom, Autumn.....	McPherson, Kan.
Linnell, Arthur.....	McPherson, Kan.
Lingle, Anna.....	McPherson, Kan.
Lingle, Eva Mae.....	McPherson, Kan.
Long, Mrs. H. C.....	McPherson, Kan.
Luckett, Mrs. W. T.....	McPherson, Kan.
Lyons, Evelyn.....	McPherson, Kan.
McAvoy, Ocie.....	Thomas, Okla.
McMurray, Bona Dee.....	McPherson, Kan.
McVicker, Mrs. Edith.....	McPherson, Kan.
Martin, Rodney.....	Wiley, Colo.
Martin, Scott.....	Wiley, Colo.
Maxwell, Emaleigh.....	Galva, Kan.
Miller, Grace.....	Canton, Kan.
Miller, Lloyd.....	McPherson, Kan.
Miller, Mary.....	Blackwell, Okla.
Miller, Ruth.....	Blackwell, Okla.
Mohler, Alta.....	Fruitland, Ida.
Mohler, Marguerite.....	Plattsburg, Mo.
Morine, Una.....	McPherson, Kan.
Nielson, Peter.....	McPherson, Kan.
Neher, Roy.....	McCune, Kan.
Neher, Saylor.....	Leeton, Mo.
Pair, Emmert.....	Beatrice, Neb.
Peck, Bernice.....	Falls City, Neb.
Peck, Wilbur.....	Falls City, Neb.
Prather, Arthur.....	Mound City, Mo.
Rhodes, Floye.....	McPherson, Kan.
Rhodes, Lela.....	McPherson, Kan.
Robinson, Leora.....	Garden City, Kan.
Sager, Dewitte.....	McPherson, Kan.
Anderson, Agnes.....	Little River, Kan.
Severtson, Marcella.....	Galva, Kan.
Severtson, Verna Mae.....	Galva, Kan.
Sharp, Margaret.....	McPherson, Kan.
Showalter, Clarence.....	McPherson, Kan.
Sjogreen, _____	McPherson, Kan.
Slifer, Fahrney.....	Nickerson, Kan.
Slifer, John.....	Nickerson, Kan.
Smith, Norma.....	Minneola, Kan.
Spence, Junior H.....	McPherson, Kan.
Spurgeon, Beulah.....	Adel, Ia.
Straka, Anna.....	McPherson, Kan.
Street, Albert.....	McPherson, Kan.
Stamp, Nora.....	Wawaka, Tex.
Stamp, Viola.....	Wawaka, Tex.
Taylor, Lena.....	McPherson, Kan.
Thompson, Effie.....	Little River, Kan.
Tracey, Jay W.....	Twin Falls, Ida.
Trapp, Oliver W.....	Wichita, Kan.

Vaniman, Pauline.....	McPherson, Kan.
Vaniman, Ray.....	Cordell, Okla.
Vaniman, Rowena.....	McPherson, Kan.
VanPelt, Etta.....	Richmond, Mo.
Vogel, Lester.....	McPherson, Kan.
Wade, Mrs. Elsie.....	McPherson, Kan.
Wagoner, Mrs. Nettie.....	McPherson, Kan.
Wagoner, Carrie.....	Burr Oak, Kan.
Wallace, Mrs. Marjorie.....	Bloom, Kan.
Walton, Paul.....	McPherson, Kan.
Wedel, Ruth.....	Galva, Kan.
Wedel, Sadie.....	Galva, Kan.
White, Ruth.....	McPherson, Kan.
Whitmer, Ethel.....	Zenda, Kan.
Wilkie, Vada.....	Inman, Kan.
Wray, Eunice.....	Pomona, Kan.
Wray, Iva.....	Pomona, Kan.
Rutbrauff, Alma.....	Redfield, Kan.
Warwick, Hazel.....	Galva, Kan.
Wray, Iva.....	Pomona, Kan.

SPECIAL

Bowser, Florence.....	Abilene, Kan.
Flory, Mrs. R. C.....	McPherson, Kan.
Freeburg, Carl.....	McPherson, Kan.
Gaw, Mrs. Forrest.....	McPherson, Kan.
Kinzle, Mrs. Roy C.....	McPherson, Kan.
Long, Mrs. H. C.....	McPherson, Kan.
Marchand, F. E.....	McPherson, Kan.
Stump, Nora.....	Wawaka, Tex.
Wagoner, Carrie.....	Burr Oak, Kan.
Watkins, W. Ellis.....	Enterprise, Kan.
Krebbiel, Elmer.....	Castleton, Kan.
Long, H. C.....	McPherson, Kan.
Michael, Mrs. H. D.....	McPherson, Kan.
Nehor, Mrs. S. J.....	McPherson, Kan.

SUMMER SCHOOL — 1921

Almen, Eunice.....	McPherson, Kan.
Abel, Gertrude.....	McPherson, Kan.
Arbuckle, Iva.....	McPherson, Kan.
Barnes, Harold.....	McPherson, Kan.
Beam, Maurice.....	McPherson, Kan.
Blondefield, Lola.....	McPherson, Kan.
Boggs, Calvin.....	Larwill, Ind.
Breeden, Beulah.....	McPherson, Kan.
Brubaker, Grace.....	McPherson, Kan.
Brubaker, Gladys.....	McPherson, Kan.
Brubaker, Mrs. Crawford.....	McPherson, Kan.
Burgh, William R.....	Burr Oak, Kan.
Burkholder, Theodor.....	McPherson, Kan.
Cartwright, Regilla.....	McPherson, Kan.
Colburn, Albert.....	McPherson, Kan.
Colburn, Floyd A.....	McPherson, Kan.

Crist, Virgie	Friend,	Kan.
Crone, Esther	McPherson,	Kan.
Deardorf, Ruby	McPherson,	Kan.
Dirks, Isaac	Buehler,	Kan.
Edgecomb, Anna	McPherson,	Kan.
Edwards, Gladys	Chanute,	Kan.
Engborg, Paul	McPherson,	Kan.
Goering, Adina	Moundridge,	Kan.
Goering, Frieda	Elyria,	Kan.
Greene, Ruth	McPherson,	Kan.
Hackenberg, Florence	Burr Oak,	Kan.
Hall, Anna Blanche	McPherson,	Kan.
Hall, Mae	McPherson,	Kan.
Handke, Zenora	Moundridge,	Kan.
Heckman, Letha	Garden City,	Kan.
Henkle, Agnes	McPherson,	Kan.
Holsopple, Chester	McPherson,	Kan.
Hurt, Verona	Itamona,	Kan.
Ingold, Lester	McPherson,	Kan.
Johnson, Carl V.	McPherson,	Kan.
Johnson, Irene	McPherson,	Kan.
Kaufman, Elma	Galva,	Kan.
Kaufman, Bertha	Galva,	Kan.
Kingsbury, Harry E.	McPherson,	Kan.
Lauer, Alvah	Creston,	Iowa
Lawyer, Eva	Omega,	Okla.
Lingle, Anna	McPherson,	Kan.
Lyons, Evelyn	McPherson,	Kan.
McElvain, Katherine	McPherson,	Kan.
McVicker, Edith	McPherson,	Kan.
Morris, Mrs. C. S.	McPherson,	Kan.
Myers, Anna	McPherson,	Kan.
Myer, Marguerite	McPherson,	Kan.
Naylor, Gladys	Portia,	Kan.
Nyquist, Leona	McPherson,	Kan.
Oldfield, Irene Opal	Canton,	Kan.
Sandberg, Rosina	McPherson,	Kan.
Shea, Mrs. Ethel	Medora,	Kan.
Showalter, Edgar	Moundridge,	Kan.
Sjoholm, Mabel	McPherson,	Kan.
Smith, Orpha	McPherson,	Kan.
Stephenson, Iona Mae	Galva,	Kan.
Stockholm, Vera	McPherson,	Kan.
Stover, Henry R.	McPherson,	Kan.
Stover, Mrs. Henry R.	McPherson,	Kan.
Studebaker, Iva	McPherson,	Kan.
Swander, Marion	McPherson,	Kan.
Tharrington, B. A.	McPherson,	Kan.
Thomas, Lewis	Ringwood,	Okla.
Thomas, Lillian	McPherson,	Kan.
Thompson, Rilla	McPherson,	Kan.
Vancoyoc, May	Mount Ida,	Kan.
Wall, John	McPherson,	Kan.

Wall, Margaret	McPherson, Kan.
Watkins, Edith	Mont Ida, Kan.
Watkins, Ruth	Mont Ida, Kan.
Wedel, Lillian	Galva, Kan.
Wiebe, F. V.	Lehigh, Kan.
Willard, Mary E.	Lyons, Kan.
Wiltmore, Irma	McPherson, Kan.
Woldridge, Clara	McPherson, Kan.
Wall, Hugo	Inman, Kan.
Zeitlow, Bessie	Roxbury, Kan.

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