

McPHERSON COLLEGE BULLETIN

NUMBER XVI.

SPECIAL NUMBER

NUMBER 1 A

Rocky Mountain
SUMMER SCHOOL

OF

McPherson College

AT PALMER LAKE, COLORADO.



JUNE 13 TO JULY 22

AND

JULY 25 TO AUG. 19, 1927

**Here Public School Teachers May Combine School
Work and Recreation.**

A NEW IDEA FOR SUMMER SCHOOL.

The College Bulletin is issued in Feb., May, August, and November of each year.
Entered as second class mailer Feb. 14, 1913, at the post-office at McPherson,
Kansas, under act of July 26, 1911.

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THE CALENDAR

The Rocky Mountain Summer School will be in session ten weeks this summer. This period will be divided into two terms. The first term of six weeks opens Monday June 18, and closes Friday, July 22, and the second term of four weeks extends from Monday, July 25, to Friday, August 19.

THE CREDITS .

A student may carry six (6) hours work during the first term of six weeks, which will give him six hours of standard college credit. An additional four hours of credit may be earned the second term of four weeks giving a student a total of ten hours of college credit. Each of the terms is planned to be quite independent of the other, so that a student may enroll either for the first term or for the second, if it is impossible for him to attend both. McPherson College is fully accredited and all work done at the Rocky Mountain Summer School is recorded at the home office of McPherson College, where it receives full credit toward the Bachelor's degree, or whence it may be transferred to any other institution.

CERTIFICATES

The Rocky Mountain Summer School has been fully accredited by the Kansas State Board of Education as well as by the Colorado State Board and receives credit for its work on the same basis as McPherson College. The Rocky Mountain Summer School is a summer session of McPherson College in the Rocky Mountains.

This includes work for the Sixty Hour Three Year Certificate, and all other Certificates issued on the basis of work done in the regular sessions of Kansas Colleges.

SCHEDULE

All subjects offered during the first term are three hour courses, hence a student may carry two subjects during the first six weeks. Each class meets five times a week and the recitation period for each class lasts 75 minutes (one hour and a quarter) daily. During the second term the subjects offered will be either four hour or two hour courses, hence a student may carry either one of the former or two of the latter to acquire the four hours credit. The recitation periods begin at eight in the morning and continue during the whole day. Most of the classes recite in the forenoon, that the after-

noon may be devoted to study and recreation.

THE PURPOSE

It has been the ambition of educators for years to combine Education and Recreation. The exacting duties of the school teacher during the winter and the intense heat of the summer annually compel a large number of people to suspend their educational activities and seek recreation during their vacation in the mountains. A careful survey of this great subject from all of its angles has led McPherson College to establish a summer school on the strategic Arkansas-Platte Divide of the Rocky Mountains at Palmer Lake, Colorado. Here the inexhaustible scientific resources of the Rocky Mountains, the close contact with nature through the direct laboratory method, the invigorating cool climate of that high altitude, and selected, competent professors all work together to realize the educators ideal of Education and Recreation.

THE ENVIRONMENT

The city of Palmer Lake derives its name from a beautiful mountain lake located within the city limits at an altitude of 7228 ft. This Lake balanced on the Arkansas Platte Divide is of great geological interest, because its northern extremity drains into the Platte River and flows through the state of Nebraska to join the Missouri River, while its southern outlet empties into the Arkansas River and traverses the states of Colorado, Kansas, Oklahoma and Arkansas to join the Mississippi River. The A. T. & S. F. depot is located on the eastern shore of the lake while the tracks of the D. & R. G. skirt the water's edge to the west.

The climate of this region is one of the big assets of the Rocky Mountain Summer School. The summers are cool in this high altitude and the nights regularly grow cold. Occasionally the days grow warm, but even then the shade always offers a cool retreat. More often the weather grows so cool even in July that the students seek comfort around a glowing fireplace.

Toward the east of us lies a broad valley intersected by wooded streams, long, slowly moving railroad trains, and busy automobile highways. Beyond this beautiful broad valley we can see hills framing this scenery with a forest of evergreen trees. Immediately toward the rear stand the Rocky Mountains rising abruptly from the valley and extending in a direct line from Colorado Springs

toward the north until the last peak is lost in the dim mare of the horizon. Deeply cut by canyons and gorges into separate peaks, this chain of mountains appears like a line of sentinels, somber and majestic, guarding the treasures of this fairy land against the encroachment of man.

Occasionally our Summer School proceeds up one of these fantastic canyons into the interior recesses of these mountains. At first the path leads along the edge of a swift little stream between two granite mountain sides a thousand feet high. Then gradually the winding path picks its way around boulders and over shoulders ever rising higher and higher on the mountain flank. Hundreds of feet below still flows the silvery little mountain stream while an equal distance overhead tower the granite peaks. The boulders on these mountain crests are



A group of B. M. A. S. students following a trail into a canyon.

weathered and worn into most fantastic figures. Some mountain peaks resemble church spires pointing toward the skies, others appear like ancient feudal castles guarding some hidden treasures, while still other boulders resemble vast prehistoric animals roaming these fantastic regions. Occasionally our path leads us by quiet mountain lakes or dashing waterfalls. Then, again, we pass an adjoining canyon that is literally filled with rocks and boulders as though the very mountains had fallen upon each other in ruins. It is impossible to live here and look upon this grandeur and sublimity of nature without com-

ing into closer contact with its divine architect, and thus being made better in body and soul by his handiwork.

THE STUDENT ORGANIZATION

The student activities of the Rocky Mountain Summer School are planned and directed by a very efficient Student Council, of which Mr. Wm. McMullen formerly County Superintendent of Smith County, now Superintendent of schools of Gaylord, Kansas, is the present presiding officer. This organization, of which all the students are members, not only directs the general social affairs, but aids greatly in drawing the individual members of the school together.

WHAT TO BRING

The tri-cities, Palmer Lake, Glen Park, and Pine Crest are primarily summer resorts, and the people generally come provided with clothing for service and comfort rather than for style. Most of the students bring knickers and hiking clothes, which they will find very serviceable on trips.

All students staying in the Estemere must bring their own towels and bed linen. A good laundry on the campus is at the disposal of the students, or the laundry may very conveniently be sent to Colorado Springs.

Students wishing to rent a cottage for housekeeping will find opportunity to do so. Most cottages are provided with furniture, cooking utensils and bedding, but the linen is generally brought along by the occupant. Do not bring any electrical appliances; there is no electricity.

EDUCATIONAL COURSES OFFER

The Rocky Mountain Summer School offers a limited number of courses i. e. those for the teaching of which the local environment is especially adapted, and those for the teaching of which the necessary equipment in laboratory and library facilities may be conveniently transported or otherwise provided. The library facilities are supplemented by a free use of the Public Library in Colorado Springs which can be reached by ample train service or by auto.

1. General Psychology: An elementary course in psychology, designed to give an outline of the whole subject. Special emphasis will be given to the application of psychology to educational procedure. The subject undertakes a general survey of the essential facts and laws of the mind. Three hours credit.

2. Methods: This course takes up the study of practical methods of teaching. Modern principles and investigations are studied as a basis for proper procedure. Credit three hours.

3. School Administration: This course is a study of the problems of organization and supervision of school systems, including state, county, city, and local units. Credit three hours.

4. History of Education: In this course attention is given to the motives and methods of leading educators of the past. The essential features of educational development are emphasized to serve as a basis for intelligent understanding of present day theory and practice. Credit three hours.

5. Statistical Methods Applied to Education: An advanced course in education. A study is made of statistical method and procedure calculated to give a foundation for working out statistical problems as well as a better understanding of the educational literature of the day, which is filled with statistical data. Credit three hours.

6. Primary Methods: A study of the modern methods of teaching children in the primary grades. Special emphasis will be on the teaching of Reading, although Arithmetic, Phonics, Writing and Language will be discussed. Three hours credit.

7. Hand Work: Practical work for teachers in hand work that will correlate with Language, Reading, and Nature Study in the primary grades. Three hours credit.

NATURE STUDY

The Rocky Mountain Summer School is uniquely located for Nature-study.

The flora is almost unparalleled. With the coming of the Summer School in June, the mountain meadows are in the first burst of spring glory. In rapid succession

the various color schemes spread over the landscape until in late summer the golden autumn tints dominate.

By this time the class in botany has become familiar with several hundred kinds of flowers which knowledge continues an unending source of pleasure and profit thru the years.

The canyons abound in birds of many species, and each year a large class avail themselves of the unusual opportunities offered in this field.

For the teacher of physical geography the course in field geology offers rare opportunity. The region about Palmer Lake furnishes almost every possible type of field study that could be desired.

1. Primary Nature Study: This is a course designed for teachers in the grades, covering briefly the fields of bird-study, flowers, trees, rocks, and insects. Lectures, and field work, 3 hours.

2. Birds: This course is designed to give the student an acquaintance with birds such as is needed in properly presenting the study in the high school or the grades, and also to develop an intelligent interest in the various phases of bird life. Lectures, laboratory work, and field work. Three hours credit.

3. Systematic Botany: A course designed to give the students knowledge of the flora of the region, and a knowledge of the principles of classification so that in any part of the country he may recognize the relationships of the plants which are found. Laboratory and field work. Three hours.

4. Descriptive Geology: A course dealing with the general principles of diastrophism, vulcanism and gradation, with a verification of these principles in the field. The local conditions at Palmer Lake are unusually good for field work and much time is given to it. Eighteen (18) different formations are within two hours drive, and many different types of erosion are presented. Castle Rock folio, U. S. Geol. Surv. is used as field guide. Three hours credit.

5. Geology 2 is a continuation of Geology 1, with the field work centered in the Colorado Springs Quadrangle, the folio of which is used as field guide.

6. Heredity and Race-improvement. This is a lecture and text-book course, the problems of genetics, with

special emphasis on its application to the improvement of the human race. Credit, three semester hours.

HISTORY AND SOCIAL SCIENCE

1. Modern History: Emphasis is laid on the development of the various movements and institutions that have made the nations of Europe really modern. This course traces the complex movements of European nations even through the World War and present existing conditions. Three hours credit.

2. American History: This is an extensive and detailed course covering the entire field of American History. Special emphasis will be placed upon the political, industrial, social and educational development of our nation, and its interrelations with other powers. Three hours credit.

Economics I: It is the purpose of this course to study the principles of economics in the light of legal and political problems. A survey is made of the fundamental factors of production, consumption, distribution, capital, labor, money, banking, interest, wages, monopolies, taxation, etc. Three hours credit.

Sociology I: This course concerns itself with the family organization, village and city relations, social activities and organizations, social ideals and control. Some of the problems to be studied are poverty and pauperism, charity, immigration and crime. Three hours credit.

ENGLISH

Rhetoric and Composition.—A course which aims at the mastery of the fundamentals of rhetoric through their practical application in oral and written themes, and in classroom discussions. Credit, three semester hours.

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. Credit, three semester hours.

Browning and Tennyson.—A study of the representative poems of Browning and Tennyson. Credit, three semester hours.

Shakespeare.—An intensive course of one play,

supplemented by collateral reading and essays. Three hours credit.

LANGUAGES

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. Reading and translation of easy prose. Six hours.

2. **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. Six hours.

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 conversation. Six hours.

2. **French Prose Writers:**—A thorough review of the essentials of grammar. Reading and translation of selections from classical authors. Exercises in dictation, composition and conversation. Six hours.

MATHEMATICS

GENERAL. The course includes a rapid review of elementary algebra with emphasis on quadratic equations, graphs, logarithms, determinants, theory of equations, and Horner's method of approximations, Reitz and Crathorn. Three hours.

2. **Plane Trigonometry.** The trigonometric functions, formulas, equations and solution of problems are studied in this course. Rothrock. Two hours.

3. **Analytic Geometry.** This course comprises a study of the straight line, circle, the elements of the parabola, ellipse and hyperbola; polar co-ordinates; transformation of co-ordinates; a few of the higher plane curves, and a brief introduction to solid analytic geometry. Four hours.

5. **Differential Calculus.** This includes a study of fundamental principles, derivatives, differentials, maxima and minima, partial differentiation and applications to geometry and mechanics. Granville. Three hours.

6. **Plane Geometry.** This course is offered to accommodate those who have not had it in high school. Three hours.

7. **General Astronomy.** A non-mathematical course introducing the student to the most important facts known about the astronomical bodies. A few evenings of observation and use of the telescope. Three hours.

Three of the above courses will be offered at one time.

EXCURSIONS

Palmer Lake is very fortunately situated with reference to many points of scenic as well as scientific interest. And students in the past have been surprised at how small an expense all of these points of interest can be visited from Palmer Lake when done in connection with the school.

Owen's Loop. One of the first ventures of the Rocky Mountain Summer School is the exploration of the hinterland. The expedition proceeds up the North Monument Canyon to the first reservoir where a halt is made. Then the Ice Cave is visited, and the more venturesome are permitted to enter the same. The second



THE PLAY BLANKS

reservoir, Dome Rock, and a beaver colony follow in close succession on the trail. Then the company passes

over the ridge to Owen's Cabin in the South Monument Canyon where the mountain lions were encountered and killed. From here the trail descends to the mouth of the canyon and around the base of Mt. Chautauqua back to the village.

Perry Park lies ten miles to the north similar in its geologic aspects to the Garden of the Gods but much more extensive and exhibiting a greater variety of formations. Perhaps no other section in the front range of the Rockies presents so many points of interest to the average student as Perry Park. It is privately owned and is not open to the public, but through the courtesy of Mr. Robert Lament, owner of the ranch, we are privileged to visit it for purposes of study.

Beaver Dams: Few persons of the present generation have been privileged to see the beavers in their native



"The Petrified Climb,"
in Perry Park.



"The Scuttler", wind whistling
in Raspberry State.

habitat. Yet this most interesting animal is common about Palmer Lake. They are occasionally seen within the city limits and a two-hour walk will take one to where they are present in thriving colonies. One or more excursions will be made during each term into the wilder sections where the large colonies thrive, and students will be given an opportunity to become acquainted

with these most interesting animals.

Elephant Rock: This grotesque figure resembling an elephant, is the result of weathering in the upper layers of the Dawson Arkose, two miles east of Palmer Lake. It stands about one-hundred feet high and is approximately two-hundred feet long. From the back of the elephant an excellent view is obtained of Pike's Peak



Balanced Rock, Palmer Lake.

This singular spectacle rises 65 feet from its definitely pointed base.

and other surrounding points. It is of special interest to students of geology, who find in it many types of erosion at work.

The Circle Trip also proves of very great value and interest to our students. They take a basket lunch, leave Palmer Lake at 7 a. m., and visit the following points: Woodman Sanitorium, Garden of the Gods, Cave

of the Winds, Iron Springs and South Cheyenne Canyon, including Seven Falls. Much of educational interest is seen on this trip besides the very excellent outing. The Cave of the Winds presents some of the very best examples of cave formations.

Glacier Park Excursion: Arrangements have been made for a one day excursion to one of the large glaciers northwest of Denver. One of the professors will accompany the expedition that the greatest possible educational benefit may be derived.

Petrified Forest and Gem Mines: Probably the most unique trip of all lies via Ute Pass to the Petrified Forest and thence to Gem Mines, stopping an hour on the way for fossil digging in the Florissant Shales, which are known the world over for their richness in certain groups of fossil remains. The Petrified Forest consists of many large stumps and logs—now solid stone—some of which are 20 feet in diameter. It lies in what was once a large crater and later a lake, and on close study discloses a very complex and interesting geologic history. The Gem Mines, eight miles away, are equally worth while as here we may see tons of precious stones and the place and manner of their recovery from the rocks. Some of the specimens to be found there are: Amazon stone, Albite, Orthoclase, Topaz, etc.

Many other trips may be made on foot or on horseback to such points as the Upper Reservoir, Balanced

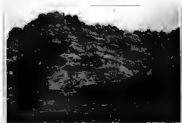


We walked to the top of Pike's Peak

Rock, The Beaver Dams, The Play Blocks, Winding Stairs, The Loop, etc. Special excursions are planned for each Saturday, in which each student is welcome to participate. Special rates are made to students which

bring these excursions within reach of all.

The following list, for example, may be taken by a



Excursions of the Summer School, including Ferry Park.

student at a transportation cost of approximately ten dollars (\$10.00).

1. Ferry Park.
2. Winding Stairs.
3. Five in One, including Woodman Sanitarium, Garden of the Gods, Cave of the Winds, Mineral Springs, South Cheyenne Canon, etc.
4. The Loop.
5. Black Forest.
6. Balanced Rock.

BUILDING AND EQUIPMENT

It has been the good fortune of the Rocky Mountain Summer School to acquire the Beautiful Estemere for its permanent home. This very beautiful estate is the creation of a wealthy family who sought to materialize the beautiful, the healthful, and the restful conceptions of their artistic souls. The same ingenious initiative that led the pioneers to found the Rocky Mountain Summer School has through its untiring efforts also acquired this beautiful estate for its permanent home.

The Estemere is located at the mouth of the North Monument Canyon, and is overshadowed by lofty mountains. Its spacious, green lawns and tall shade trees lend an atmosphere of restful attraction. The excellent location of the Estemere offers a view to the spectator of the

nearly tall mountains, the deep canyons, and the far, low-lying plains to the east, that will always fascinate the eyes of its inhabitants. Good furniture, good light, and a convenient washhouse are among other facilities at the disposal of students in the Estemere.

The public school building of Palmer Lake is given over to our use for the summer, and two rooms have been provided with tables for laboratory purposes. The City Hall is also granted for our use in case it is needed. An auditorium of ample capacity has been purchased by the cottage owners of Glen Park and put into shape for use of public gatherings. This will be open to the Summer School for general gatherings and public meetings.

Laboratory equipment consisting of microscopes, chemicals, stuffed birds and other apparatus and supplies necessary for the courses offered are transported from McPherson. Likewise books for reference in all of the courses offered are transported from the general library at McPherson College. In cases where our own library facilities at Palmer Lake are not sufficient, the public library at Colorado Springs is quite well equipped and ample train service renders it quite convenient.

EXPENSES

Enrollment Fee	\$1.00
Tuition per semester hour	3.50
Laboratory fees:	
Botany	2.50
Birds	2.50
Geology	1.00

Living Expenses: The living expenses compare very favorably with like expenses in the average college town. Board and room can be obtained in hotels or private boarding houses at rates from \$8.00 per week to \$10.00. Many students find a considerable saving in expense by renting either rooms or a small cottage and boarding themselves. Cottages sufficiently large to accommodate three persons rent from \$40.00 per season up.

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EXPENSES

Enrollment Fee	80.00
Tuition per semester hour	1.50
Laboratory fees:	
Botany	2.50
Birds	2.50
Geology	1.00

Living Expenses: The living expenses compare very favorably with like expenses in the average college town. Board and room can be obtained in hotels or private boarding houses at rates from \$8.00 per week to \$10.00. Many students find a considerable saving in expense by renting either rooms or a small cottage and boarding themselves. Cottages sufficiently large to accommodate three persons rent from \$40.00 per season up.

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Supplement

Number 2

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SUMMER SCHOOL



The Summer Session, Eight Weeks
June 6 - July 29

Earn Eight Hours Credit

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THE CAMPUS ENTRANCE

THE SUMMER SESSION—1927

McPHERSON COLLEGE

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McPherson College, Sherwood Conservatory, Student of Silber
and Podalsky
Piano.

Summer Session, 1927

GENERAL STATEMENT

McPherson College is located at McPherson near the geographical center of the state of Kansas. McPherson is a city of about five thousand population and is famed for its beauty and the spirit of progress which is manifested in all its enterprises. It is easily accessible from all parts of the country, since it is served by the following railroads: Rock Island (main line), Santa Fe, Union Pacific, Missouri Pacific.

A STANDARD ACCREDITED COLLEGE

McPherson College is a standard accredited college. Its work is accepted at par by the State University and the State Department of Public Instruction. It is also a member of the North Central Association of Colleges and the Association of American Colleges.

ADVANTAGES OF SUMMER STUDY

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

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

- (1). The wise investment of a part of the summer in study enables the student to complete work required for a Bachelor degree in three years.
- (2) To adjust irregularities in courses and fulfill group and major requirements.



ADMINISTRATION BUILDING

(3) To graduate with your class though deficient to the extent of eight semester hours.

(4) Professional self improvement is the ambition of every progressive teacher. Here teachers may prepare for promotion and advanced certification without sacrificing their regular income.

(5) Provision for the renewal of all types of certificates issued by the State Board of Education is offered by the summer term.

FACULTY

In every instance the teachers in the summer school are regular members of the college faculty. This insures the summer school students the same high quality of instruction available to the student of the regular session.

CERTIFICATION

The following certificates are issued by the State Board of Education upon the recommendation of McPherson College:

(1) Three year elementary and junior high school certificates are issued upon the completion of sixty semester hours of college work providing the student has included in this sixty hours the following courses in education: General Psychology, three hours. Elementary Methods, three hours. School Management, three hours. The candidate for the certificate must submit fifty-one hours of non-educational courses and the nine hours of professional work enumerated above.

(2) Three year high school certificates renewable for life are issued to students who have graduated with the Bachelor degree provided they have included in their college course not less than eighteen semester hours of educational courses. The following courses are required: General Psychology, three hours. Educational Psychology, three hours. High School Administration, three hours. The re-



LADIES DORMITORY

Ideal living accommodations at minimum expense.
Modern, convenient, and home-like.

remaining nine hours may be elective courses in education.

(3) Students may qualify for certificates in various special lines of work such as Music, Manual Training, Agriculture, Domestic Science, etc. To be eligible for these certificates the candidate must have completed sixty hours of work and have included in these sixty hours a minimum of twenty-eight hours in the special subject. The candidate for a Public School Music certificate must submit in addition eight hours of public school music methods.

RENEWAL OF CERTIFICATES

Courses are organized in our Summer School to provide opportunities to complete work for the renewal of the various certificates issued by the State Board. The Normal Training Certificates and the Three year Elementary certificates are renewable upon completion of eight hours of additional work before the expiration of the original certificate.

TEACHERS PLACEMENT BUREAU

McPherson College maintains a Teacher Placement Bureau which is at the services of all teachers who are enrolled in the summer session.

LIVING ACCOMMODATIONS

Three dormitories are maintained on the campus for the accommodation of students. These buildings are modern and the rooms are equipped with all needful furnishings except necessities of a personal nature. Each individual student should bring pillows, pillow-cases, sheets, and such blankets as may be needed for the summer season. Board, room, and lighting are provided for summer students at the unusually low rate of five dollars per week.

EXPENSES

The tuition rates are on the whole more reasonable than can be found in most standard schools. A nominal incidental fee is paid by all who enroll in

the academic departments. Items of expense are as follows:

Tuition:		
Sub-Freshman work (per term)		\$15.00
College (for each semester hour)		3.00
Music		
Piano and Violin	\$12.50	\$25.00
Violin (Juvéniles)	8.00	18.00
Public School Music	12.50	50.00
Incidentals fee (paid by all)		\$2.00
Laboratory fees		
General Chemistry		\$4.00
Organic Chemistry		4.00
Qualitative Analysis		6.00
Board and room (per week)		5.00
Total necessary expense for the term exclusive of books and laundry laboratory fees and special tuition		
		\$46.00

COURSES

Below is a list of the courses which we plan to offer during the 1927 summer session. It may be necessary to make some minor changes to meet the demands which are impossible to anticipate at this date, but such changes will be few. The number of hours credit which each course bears is indicated in parenthesis.

Agriculture.—A course in general agriculture for those who wish to teach it in High Schools or as a subject of general culture in the science of the subject. (3 hours.)

American History, 1789-1865.—The richest period of American History, From Washington to Lincoln. Nationalism, Sectionalism, Division and Reunion, with "the West" a most vital factor.

Algebra.—A course covering the field of high school algebra will be offered to accommodate those who have not had it in high school if the number is sufficiently large to justify the organization of classes. (one unit credit).

American Poets—Masterpieces of the Golden Age of American poetry will be studied, with the aim of arousing an interest in and a love for the best poetry of this country. (2 hours).

Botany.—A general course in plant life. The morphology of the plant is largely emphasized. This course may be taken either with or without the laboratory work. (3 or 4 hours).

Economics—Introduction to economics is a study of the principles of economics as they relate to political, social, and civic life; factors of production, consumption, distribution, exchange, value, labor, capital, monopolies, taxation. (3 hours).

Elementary Methods—A course designed to provide training in general methods, for presenting the elementary school subjects in the light of modern principles and investigations. (3 hours).

English and American Essayists.—Bacon, Lamb, Text-book, recitation, library references, and reports (2 hours).

General Chemistry—This course is designed as a prerequisite to all other courses in chemistry and as a subject of general culture. Its aim is to prepare the student for medicine, home economics, agriculture, engineering, pharmacy, etc. Those who had high school chemistry or chemistry (1) may take the second half of the course including qualitative analysis. (3 to 5 hours).

Geometry—A high school course in Geometry will be offered to accommodate those who desire to complete the entrance requirement in this subject if a sufficient number present themselves to warrant organizing a class. (One unit entrance credit).

High School Methods—A course designed to present to the prospective high school teacher modern and economical methods of high school instruction. Text-book, recitation, library references, and reports (3 hours).

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 present day theory and practice. (3 hours).

Introduction to Sociology —A study of the nature and scope of Sociology, including social origins, social activities, social control, social ideals, social progress, and the attainment of these through social organizations. (3 hours).

Introduction to Psychology —A general survey of the science. The course aims to acquaint the student with the fundamental facts and problems of the science and the method by which new facts in this field are ascertained and evaluated. (3 hours).

Modern European History —Since 1700. The beginning importance of Eastern Europe, the Industrial Revolution, the French Revolution and Napoleon, and the tremendous political and social changes of the nineteenth century. (3 hours).

Organic Chemistry —This is a general course in organic chemistry for medical students, those taking home economics, agriculture, etc. (3 or 5 hours).

Problems in Applied Sociology —A study of social adjustments, forces, movements, agencies, programs in the light of current problems: techniques of surveys, social centers and community organization, social service, social communication, etc. The practical application of social principles to selected problems. (2 or 3 hours).

Psychology of Education —A general course in the study of mental development as related to the learning process and the technique of teaching. (3 hours).

Physics —This is a general college physics course directed towards the following ends: (1) the train-

ing of students competent to fill positions as teachers of physics in secondary schools, (2) the training of pre-medical and pre-engineering students, (3) the training of the general student of the physical science in the modern world. (3 or 5 hours).

Qualitative Analysis—This is chiefly a laboratory course in gravimetric and volumetric analysis. Such lectures as are desirable will be given. (3 or 5 hours).

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. Prerequisite: general psychology. (2 hours).

School Administration—This course is a study of the problems of organization and supervision of school systems, including state, county, city, and local units. (3 hours).

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. (3 hours).

World Politics—Imperialism of the last century, the partition of Africa, international conflicts in the Near and in the Far East, the Latin America, and the League of Nations. (3 hours).



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SCHOOL OF MUSIC

FACULTY

MISS JESSIE BROWN, B. M.

Piano, Piano Normal Training

Diploma in piano, 1907, Degree of Bachelor of Music, 1910 under Prof Oscar Lojgren, dean of Fine Arts, Bethany College, Lindsborg, Kans. Studied piano under Prof Robert Teichmüller, Royal conservatory, Leipzig, Germany, 1913-14. Piano Technique under Fraulein von Eger Royal Conservatory, Leipzig, Germany, 1913-14. Theory under Prof Maxhand Bruse, Bethany College. Voice, Prof H. E. Malloy Dean of Music, Hays State Teachers' College, violin under Vessie Weststrom-Wilbur, Wichita, Kansas.

Taught piano Bethany College, Lindsborg, Kans 1908-13. Director of Piano Department McPherson College, 1915-28

G. LEWIS DOLL, B. M.

Violin, Theory and Orchestra

Began his Violin study with his father in early childhood and later under Prof. Seitz and Wieland at State Teachers College, Kirksville Mo. Won first place in State Violin contest at Lindsborg in 1910, after several years study under Prof Kinnear. Received B. M. Degree from Bethany College of Music in 1922, majoring in Violin under Prof A. C. Ube under whom he has since done Post-Graduate work. Played Violin in Mozart string quartet one season. Most of his teaching experience has been at Lindsborg where he was assistant to Prof. Ube and conductor of the Junior Orchestra, Summer term of 1922 at M. C. 1922-24 at Tabor College and Hillsboro, N. S., came to McPherson College in 1924 as Head of the Violin and Theory Departments.

His composition for Violin and Piano, "Melodia" was published in 1924 by the A. G. Ogden & Co., of Rockford, Ill. publishers of such internationally known composers as Ube, Skilton, Carl Busch, Skillebot, Kurtz, etc. "Moods" and "Concertino" (for violin and piano) recently published.

Public School Music

Studied at Oxford, Wooster, and Oberlin, Ohio. Summer Schools, Chautauque, New York. Additional Summer school study at Philadelphia, Pa., Boston and Auburndale, Mass. Evanston, Ill.



THE SCIENCE HALL.

One of the best equipped science buildings to be found in any institution.

Teaching Experience Twelve years of school Normal and College teaching in Ohio Indiana and Pennsylvania Public School music in Kansas 1904-1925 McPherson College 1925 Extensive experience in conducting cantatas and oratorio concerts Member of state and national associations of teachers Life member of Music Teacher's National Association Member of Founders' group Music superintendent's National Conference

**MRS IVA GILSON B. M.
Piano**

Received Teachers Certificate in Piano in 1924 Diploma in 1925 and Degree of Bachelor of Music in 1926 under Miss Jessie Brown of McPherson College Studied piano under Prof. Thorson of Bethany College, Lindsborg in 1925 Studied piano under Leo Podalsky noted Russian pianist Sherwood Conservatory Chicago Also Sidney Silber Chicago Theory under Prof. Lauer and Prof. Leidl of McPherson College and Walter Keller of Sherwood Conservatory Was a member of Sherwood Conservatory Faculty 1926 Had five years teaching experience Studied singing from Prof. Heine, Belgium in 1926-1922 Prof. Lauer 1923 Prof. Mark 1925 One year of voice

Specializes in Kindergarten and class work in Piano

GENERAL STATEMENT

The department of Music offers standard courses in Music 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 credit and of work has been regulated best to agree with the requirements of the North Central Association of Colleges. All work is accredited.

Besides its relation with the college department the Music Department offers courses leading to a Teachers Certificate, which is a recognition of the student's qualifications as a teacher; Diploma, in which the student is recognized as a performer and as a general musician; and Degree, in which the student is qualified to go out as a director of music with the full assurance that the school will stand

ready to offer recommendations up to the full limit of the student's power professionally.

PIANO

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 Certificate, Diploma, and Degree.

VIOLIN

The need of expert instruction from the beginning is perhaps more essential in Violin than 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 Certificate, Diploma, and Degree courses, of three, four, and seven years, respectively.

PUBLIC SCHOOL MUSIC

This course is designed to fill the demand for

competent supervisors of music in the public schools. Upon the student's completion of 60 hours (two years above the high school) as outlined by the State Board of Education, a special certificate is issued by this Board.

COURSES OFFERED

Piano, Voice, Violin, Viola, Cello, Double Bass, Kindergarten and Class work in Piano, Public school music methods, sight singing, ear training, Appreciation, conducting, Folk Games, Harmony I-II, Counterpoint, Canon and Fugue, Music Form Harmonic Analysis, Keyboard, Harmony, Piano, Normal Training.

RATES OF TUITION

Tuition rates are quoted for a semester of eighteen weeks, two half hour private lessons weekly. The rate for one-half hour private lesson weekly is one half the semester rate.

Miss Brown, Piano	\$	\$25.00
Mr. Doll, Viola, Cello, Viola, Double Bass		25.00
Mrs. Oliver	15.00	15.00
Jewell's Work, Mr. Doll	5.00	15.00

History, Theory, Harmony, Appreciation, Analysis, Counterpoint, Canon and Fugue, Form, Composition, Orchestration, Ear Training, Sight Singing, Conducting, Rudiments, per semester

5.00

Public School Music. Classes in Music Appreciation, Ear Training, History of Music, Public School Music Methods, Sight Singing.

Five hours a week, eight weeks equal to two college semester hours.

Summer School Tuition:

One subject.	\$15.00
Two subjects.	25.00
Three subjects.	35.00
Four subjects.	45.00
Five subjects.	55.00