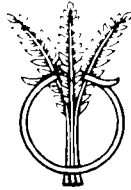


FORT LEWIS
SCHOOL OF AGRICULTURE
AND MECHANIC ARTS



HESPERUS, COLORADO

1914--1915,

COLORADO STATE COLLEGE OF A. & M.
FORT COLLINS, COLORADO

1915/16

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LEE KLINEFELTER, Shop Work and Science.....	Hesperus,	Colo.



The South Meadow.

CALENDAR FOR 1914-1915.

Entrance Examinations.....	Monday, September 28,	1914
Registration of Students.....	Tuesday, September 29,	1914
Thanksgiving Recess.....	Thursday, November 26,	1914
Christmas Vacation.....	December 24 to January 3,	1915
First Term Closes.....	December 18,	1914
Second Term Opens.....	December 21,	1914
Short Course Recess.....	February 8 to 13,	1915
Second Term Closes.....	March 26,	1915

General Information

Improvements.—In addition to the division of the dormitory into individual rooms, the decoration of the assembly room, the addition of laboratory equipment and other changes, made last year, we shall this year make additional improvements in the dormitory and increase the laboratory equipment.

The shops will be moved into the power house, near the school house, thus giving us convenient, well lighted, modern shops.

Electric lights will be installed and a good moving picture machine added to our equipment.

The Course of Study for boys has been changed and strengthened. New texts have been selected in chemistry, civics, english and arithmetic.

The addition of the Teachers' Training Course will do much to make the Fort Lewis School better and more popular.

The new green house that will be built during the summer will make it possible to do much more effective work in agriculture, horticulture and entomology.

Advantages.—There are no distracting influences. Expenses are very low—no opportunity to spend money for luxuries. The rooms are comfortable and well lighted and baths are to be found in each dormitory. The board is good. Board costs 18 cents a meal and room 7 1-7 cents per day.

The laboratories and shops are well equipped and well lighted. The instructors are trained for their work.

The courses are well balanced and the texts selected with care.

The games, parties, dances, picture shows, etc., are all clean and free from objectionable features.

There are local and long distance telephones on the grounds.

The new green house will not only be a great aid to our class work, but it will be possible to grow lettuce, radishes and house plants throughout the year.

THE TRAINING COURSE FOR RURAL TEACHERS.

There is a demand, on the part of those who wish to teach in Southwestern Colorado, for a school in which specific preparation for rural school work may be secured. In consequence it has been decided to open such a course in Fort Lewis on September 28, 1914. The professional work will be taught by the principal who was for several years principal of a teachers' training school in Wisconsin.

The school is offering a three years' course—six months each year.

Teaching children is the most important work there is and all who attempt it should be especially prepared to do it well.

Literary and Social Life.—The Ammons' Literary Society holds its meetings on alternate Friday or Saturday evenings.

Under certain conditions and restrictions dances will be held from 7:30 to 11.00 p. m. one evening each month. At the same time a party will be given for those who do not dance.

Sunday-school is held each Sunday morning at 10:30.

Church services are held by Dean Smith, of Durango, once a month.

Readings, illustrated talks, and lectures and helpful moving pictures will be used on Sunday evenings.

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3/10/58

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School hours are from 8:00 to 4:30 on all days except Saturday and Sunday. Half-day sessions are held on Saturday.

Uniforms.—Uniforms for military drill are required. These uniforms may be worn during recitation hours and on dress occasions.

Overalls and jumpers are required in shop work.

White caps and aprons are required in dairy work and aprons in the chemistry laboratory. The boys' uniforms are made of better material than are suits ordinarily selling for twice the amount. They wear like iron and are very neat.

Passing Grade.—The passing grade of the school is 75, made up of recitation, test, notebook and final examination grades.

Dormitory Life.—Each pupil furnishes his own bed clothes, towel, etc., and takes care of his room.

Pupils are expected to spend their time in study from 6:45 to 9:15 p. m. during each evening of the week except Saturday and Sunday.

ESTIMATED EXPENSES FOR THE SESSION OF SIX MONTHS.

For Boys.

Board at \$15.00 per month.....	\$90.00
Room at \$2.00 per month.....	12.00
Laundry	9.00
Uniform	16.50
Books and stationery.....	10.00
Entrance and Library Fee.....	5.00
Forging and Carpenter Fees.....	4.00
Small unexpected expenses	10.00

Total

\$156.50

For Girls.

Board and Room.....	\$102.00
Gymnasium suit	5.00
Laundry	9.00
Books and stationery	9.00
Entrance and library fee.....	5.00
Science Fees	4.00
Small unexpected expenses	10.00

Total.....

\$144.00

A fee of twenty dollars per year is charged to those who are not residents of Colorado.



Payments in Advance.—Fees and tuition must be paid for the six months in advance. Full deposit must be made for the uniform when the measurements are made and measurements must be made at the time of enrolling. Board and room must be paid for one month in advance. There will be no refund for board for an absence of a day or two. There will be no refund of room rent so long as the room is held and no reduction in fees and tuition to those who come late or leave before the close of school.

Athletics.—The popular games are basketball and tennis. Match games of basketball were played with Durango and Trimble during the winter.

Student Labor.—Students are given an opportunity to wait on table, wash dishes, do janitor work, milk, care for stock and work on the campus for pay. In this way many materially reduce the cost of attending.



Admission.—Students who have completed satisfactorily the eighth grade will be admitted without examination. Students who have not completed the eighth grade may be asked to take an examination in Arithmetic, United States History, English Grammar, Geography, Reading and Spelling. Students who have taken work in accredited high school, will be given due credit for it. Maturity of years and practical experience will be given consideration, but the student must not consider these sufficient to admit him. Wherever there is a question concerning the student's qualification to enter he should confer with the Principal before coming to school.

If you wish to attend, write to the Principal.

Buildings and Equipment.—The School is located on a large farm of 6,400 acres. The eighteen buildings are modern and commodious, and are valued at \$150,000. The School is supplied with laboratory equipment and fixtures adequate for the best instruction. The School owns livestock and modern farm machinery which is used for instruction and demonstration purposes. The boarding and dormitory facilities are of the best. The rooms are steam-heated and electric-lighted; both shower and tub baths are at the disposal of the students. The School buildings are of brick new and very well adapted for the work of the School.

COURSE OF STUDY FOR YOUNG MEN.

FIRST YEAR.

First Term.		Second Term.	
Field Crops	5	Crop Raising	5
Bench Work in Wood	(10)	Breeds	5
Stock Judging	2	Forge Work	(10)
English	5	English	5
Arithmetic	5	Arithmetic	5
Drill	(3)	Drill	(3)

SECOND YEAR.

First Term.		Second Term.	
Botany	3	Botany and Insect	
Physics	5	Studies	(3)
Physics Laboratory		Physics	5
and Farm Mach'y	(10)	Physics Laboratory	
English	5	and Farm Motors..	(10)
Algebra	5	English	5
Drill	(3)	Algebra	5
		Drill	(3)

THIRD YEAR.

First Term.		Second Term.	
Diseases of Farm		Stock Feeding	5
Animals	5	Chemistry	3
Chemistry	3	Chemistry Laboratory	(4)
Chemistry Laboratory	(4)	Farm Management	
Soils	3	and Farm Accounts..	5
Lab. Soils	(4)	Breeding	5
English	5	Dairying	(6)
Civics	5	Drill	(3)
Drill	(3)		

Figures indicate number of recitation hours a week.

Figures in parentheses indicate hours of practical work a week.



COURSE OF STUDY—TEACHERS' TRAINING COURSE.

FIRST YEAR

Field Crops.....	5		Breeds	5	
Manual Training....		(10)	Crop Raising	5	
English	5		English	5	
Arithmetic	5		Arithmetic	5	
American History ..	5		American History....	5	
			Cooking and Sewing..		(5)

SECOND YEAR.

English	5	English	5
Algebra	5	Algebra	5
Physics	5	Physics ..	5
Geography	5	Physical Geography	5
Botany ..	5	Botany	5
Spelling and Orthoepey	5	Physiology and	
		Hygiene	5

THIRD YEAR.

Soils ..	5	Dairying ..	(6)
English (Literature).	5	Methods in Reading..	5
Theory and Art of		School Management	
Teaching	5	and Law	5
Civics	5	Observation and Prac-	
Chemistry	5	tice ..	(7)
		Chemistry	5

Library reading, music, rhetoricals and physical exercises throughout the year.



Basketball Team.

OUTLINE OF WORK.

Field Crops and Crop Raising.—Two hours a week. Mr. Sullivan, Wilson and Warburton. A study of wheat, corn and other cereals, forage crops, alfalfa, grasses and sugar beets, potatoes, etc. History, morphology of plant, ear and seed; judging, quality, selections and care of seed; culture methods, pests and enemies; care of crop, distribution, products and uses; government and state year books and statistics. Practicums. Excursions.

Bench Work in Wood.—Ten hours a week. Mr. Klinefelter. Fee, \$2.00. Work from blueprint exercises a part of the time. Plans for gates, barn doors, feeding racks, pig pens and troughs, water tanks, model silos, etc., are drawn and the articles constructed in the shop.

Stock Judging.—Five hours a week. Mr. Sullivan. Purdue Bulletin No. 12, Purdue University.

A study of the typical forms and characteristics of different breeds of different farm animals. The animals are then brought before the students and they apply the information gained from texts and instructors in pointing out the desirable and undesirable qualities of each animal.

Breeds.—Five hours a week. Mr. Sullivan. Plum's Types and Breeds of Farm Animals (Ginn).

In this subject a special study is made of the characteristics and markings of one breed of farm animals as distinguished from another.



Soil Studies.

Farm Crop Studies.

Forge Work.—Ten hours a week. Mr. Klinefelter. Fee \$2.00.

Students will work from blue print exercises a part of the time. In addition to this they will be taught to sharpen plows, iron eveners, single trees, neck yokes.

Arithmetic.—Five hours a week. Miss Wilson.

Drill upon the four fundamental operations, factoring at sight, lowest common multiple, tests for divisibility of numbers, common and decimal fractions, mensuration, denominate numbers with tables, U. S. land survey, Standard time, longitude and time, percentage, profit and loss, commission and brokerage (1st case) taxes, trade discount, simple interest, bank discount (1st case) proportion and square root, measurement of hay, cisterns, silos and land.

English.—First Year.—Five hours a week. Miss Wilson.

Longman's English Grammar.

Studies in Readings.—Mr. Searson and Martin.

Review of the parts of speech.

NOTICE.

In the Teachers' Training Course permission will be given to substitute subjects in Household Arts for some of the work outlined in Agriculture in the course of study. Miss Wilson, who is a graduate in Household Arts, C. A. C., will teach these subjects.



Bench Work.

Forge Work.

SECOND YEAR.

Botany, Horticulture and Entomology—Five times a week. Mr. Sullivan.

Bailey, Green and Hunter.

This is a study of the seed and the resulting plant and flower together with the harmful insects and diseases that may attack the plants.

Attention is given to the best methods of eradicating harmful weeds and insects and promoting the growth of the useful.

Physics and Farm Machinery.—Fifteen hours a week. Mr. Klinefelter. Fee, one dollar a term.

Milliken and Gale (revised).

Farm Machinery and Motors—Davidson and Chase.

Five hours of class or recitation work per week and ten hours of laboratory work.

In physics special attention is given to the principles of simple machines, pneumatics, hydraulics, heat, light, sound, electricity and magnetism. Whenever possible the study of a machine or motor will be made from the actual working machine.

English II.—Five hours a week. Miss Wilson.

Progressive Course in English for Secondary Schools, Stebbins.

A study of the correct forms in writing and speaking. Letter writing, written and oral compositions are given particular attention.

Algebra.—Five hours a week. Miss Wilson—Wells and Hart.

The fundamental operations, factoring, fractions, simple equations, radicals and quadratics are studied.



Some of the Dairy Herd.

THIRD YEAR.

Diseases of Farm Animals.—Five hours a week. Mr. Sullivan. Veterinary Studies for Agricultural Students. Reynolds.

Instruction is given in the care and management of farm animals: First, how to properly care for them to guard against disease, and thus secure the best growth or greatest degree of usefulness; second, how to recognize the common diseases, and to nurse them in time of disease. Special attention is given to hygiene and farm sanitation.

Chemistry.—Seven hours a week. Mr. Klinefelter. Fee one dollar a term. Chemistry and Its Relation to Daily Life. Kahlenberg and Hart.

This is offered because no one can understand the underlying principles of agriculture and domestic science who is not familiar with the elementary principles of chemistry.

Soils.—Seven hours a week. Mr. Sullivan. Fee fifty cents a term. Soils and Fertilizers (Snyder).

The feeding of plants, preparation of the soil, physical conditions of the soil that affect soil productivity, systems of rotation, manures and commercial fertilizers and similar topics are taken in this course.

English III.—Five hours a week. Miss Wilson.

Watkins Primer of American Literature.

The purpose of this work is to make the pupils more familiar with our best American authors and their writings. It is hoped that the students will learn to enjoy books, particularly those which picture the beauties found in country life.

Civics.—Five hours a week. Miss Wilson.

Governments, local, county, state and national, here receive attention. This is a course of training in citizenship.



Judging Dairy Cattle.

In the Dairy.

Stock Feeding.—Five hours a week. Mr. Sullivan.
Profitable Stock Feeding by Smith.

The kind and amount of each kind of feed for different farm animals is taken up.

Farm Management and Farm Accounts—Five hours a week. Mr. Sullivan. Warren's Farm Management.

The management of the farm, the help, buying, marketing and the keeping of farm accounts are studied.

Breeding.—Five hours a week. Mr. Sullivan. Domesticated Plants and Animals (Davenport).

The principles, methods and practice of breeding farm animals are studied.

Dairying.—Six hours a week. Mr. Sullivan. Bulletins.

A study of dairy animals, feeds and buildings for the same, milk, milk testing, care of milk; in short, the handling of milk from the time it leaves the cow until it reaches the consumer is taught.

American History.—Five hours. Mr. Snyder. Mace's School History of the United States.

A good text book is followed in part, particular attention being paid to the history of agricultural development in the United States and to the methods of teaching history.

Geography.—Five hours. Mr. Snyder.

Texts and maps in geography and physical geography are used to some extent. Particular attention is given to map study, industrial geography, physical geography and methods of teaching geography.



Fort Lewis Sunday School.

Spelling and Pronunciation.—Five hours. Mr. Snyder.

Lessons in spelling and pronouncing words commonly misspelled and mispronounced are assigned for daily preparation.

Physiology and Hygiene.—Five hours. Mr. Snyder.

The proper sanitary conditions that should surround school and farm houses, water supply and the disposal of refuse with reference to the source of water. A brief study of the body and its care.

The Theory and Art of Teaching.—Five hours. Mr. Snyder.

Good text books dealing with the problems of instruction, drill, testing, review, methods of assigning lessons, calling on pupils and teaching the elementary school subjects are studied.

School Management and School Law.—Five hours. Mr. Snyder.

Among the topics for study are: The physical environment of the pupils and the school house, general sanitation, the teacher and his preparation and his relation to the school board, parents and pupils, the first day of school, the program, incentives to study, examinations, promotions, moral training and rules and punishments. The School Laws of Colorado are studied during a portion of the term.

Observation and Practice—Seven hours. Mr. Snyder.

This consists of the observation of class room instruction and a discussion of the same, followed by actual practice work under supervision and direction.

FARMERS AND HOUSEKEEPERS' SHORT COURSE.

Each year the School of Agriculture keeps open house to farmers and housekeepers for a week at Fort Lewis. For this week a program is prepared which aims to cover the more important phases of agricultural activity. These topics are presented by members of the faculty and representatives of the Agricultural College.

Farmers and Housekeepers' Short Course this year will occur February 15 to 20, 1915.

Enroll.—Unless you enroll, and that as early as possible, we shall not know how many texts to order and rooms to prepare.

Please fill the blanks on the enrollment application in the back of this catalogue and mail the same to The Fort Lewis School, Hesperus, Colorado, **at once.**

If you know of a young man or woman who has not received a copy of the catalog, will you kindly send his or her name to the school?

GRADUATES.

Two boys, Robert McCulloch and Orin Reeder, who entered the Fort Lewis School of Agriculture when it opened in 1911, graduated this year—April 3rd, 1914. We respect the man who has the perseverance necessary to complete a task worth completing.

Names and addresses of those who have attended the Fort Lewis School of Agriculture.

Canfield, Hiram	Arriola, Colo.	Chambers, R., Farmington, N. M.
Decker, Earl	Mancos, Colo.	Dickerson, C., Pagosa Spgs., Colo.
Edwards, Alvin	Ariz.	Ent, Susie Hesperus, Colo.
Gonner, Dorothy, Durango, Colo.		Halls, Dilworth Mancos, Colo.
Hately, Dean	Cal.	McCartney, Tom, Durango, Colo.
McCartney, Meta, Durango, Colo.		McCartney, Sadie, Durango, Colo.
Michael, Jennie, Bayfield, Colo.		Nicholson, Kate, Hesperus, Colo.
O'Brien, Roy	Durango, Colo.	Pierce, Allen Aztec, N. Mex.
Reeder, Orin	Durango, Colo.	Simpson, Pat Breen, Colo.
Taylor, Lydia	Redmesa, Colo.	Taylor, Leo Redmesa, Colo.
Turner, Morrill	Ignacio, Colo.	Hubler, Will Ark.
Slade, Clarence	Redmesa, Colo.	Halls, Roy Mancos, Colo.
McCall, Rex	Arriola, Colo.	Halls, Lillie Redmesa, Colo.
Lieper, Harold	Ill.	McCulloch, Robert Elco, Colo.
McCulloch, Clay	Elco, Colo.	McCulloch, Lillie Elco, Colo.
Nicholson, M.	Hesperus, Colo.	Michael, Ray Hesperus, Colo.
Weston, James	Mancos, Colo.	Hamilton, Will Kline, Colo.
Moss, Muriel	Breen, Colo.	Mueller, Anna Florida
Black, Irene	Aztec, N. M.	Brown, Harold Mancos, Colo.
Burns, Walter, Flora Vista, N. M.		Craft, Howard Kline, Colo.
Daniels, Tom, Pagosa Spgs, Colo.		Dean, Chas. Redmesa, Colo.
Fielding, Leonard, Mancos, Colo.		Flaugh, Leon, Pagosa Spgs, Colo.
Fredlund, Fred	Elco, Colo.	Fredlund, Ruben Elco, Colo.
Hammond, Lydia	Mancos, Colo.	Hammond, Platt Mancos, Colo.
Hare, Will, Bloomfield, N. Mex.		Hott, Powell Tiffany, Colo.
Hubbard, M., Shiprock, N. Mex.		Jaquez, Onofre, Blanco, N. Mex.
Kermode, Alfred	Cortez, Colo.	Logenbaugh, S. Cortez, Colo.
Nelson, Frank	Durango, Colo.	Pinkstaff, Rhoda, Aztec, N. Mex.
Rathjen, Robert	Aztec, N. Mex.	Roubidoux, E. R., Cortez, Colo.
Sever, Eugene, Flora Vista, N. M.		Thayer, D. C. Helena, Mont.
Todd, George	Cortez, Colo.	Tozer, Clyde Moqui, Colo.
Wilden, Oscar	Redmesa, Colo.	Woodbury, Ward Cortez, Colo.
Breeden, Ralph	Ariz.	Chockley, Marion, Arboles, Colo.
Huntington, J.	Hesperus, Colo.	Smith, Donald Cortez, Colo.
Cook, Edna	Durango, Colo.	McEwan, Ruben Cortez, Colo.
Halls, Lewis	Mancos, Colo.	Shaferhoff, Jos. Durango, Colo.
Breeden, Helen	Texas	North, Ruth Cortez, Colo.
Smith, Hiram	Mancos, Colo.	Green, Claude Silverton, Colo.
Snyder, Paul	Hesperus, Colo.	Thomas, Virgil Mancos, Colo.

ENROLLMENT BLANK.

Fill the Blanks and send to the Fort Lewis School, Hesperus, Colorado.

I wish to be enrolled in the Fort Lewis School, beginning September 28, 1914.

Name Age.

Address

Course desired

I have completed the grade work in school.

How long have you attended high school.

Where.

Parent's name and address.

.

Date

Unless you enroll we shall not know how many books to purchase and the number of rooms needed. **Enroll now if you wish us to be ready for you.**



Farmers and Housekeepers—Short Course.

The Country Boy's Creed.—I believe that the country which God made is more beautiful than the city which man made; that life out-of-doors and in touch with the earth is the natural life of man. I believe that work is work wherever we find it, but that work with Nature is more inspiring than work with the most intricate machinery. I believe that the dignity of labor depends not on what you do, but on how you do it; that opportunity comes to a boy on the farm as often as to a boy in the city; that life is larger and freer and happier on the farm than in the town, that my success depends not upon my location, but upon myself—not upon my dreams, but upon what I actually do; not upon luck, but upon pluck. I believe in working when you work—and in playing when you play and in giving and demanding a square deal in every act of life.



Ponds—Buildings in Distance.

“Fish don’t bite just for the wishin’
Keep a-pullin’!
Change your bait and keep on fishin’;
Keep a-pullin’!
Luck ain’t nailed to any spot;
Men you envy, like as not,
Envy you your job and lot!
Keep a-pullin’!”