

STATE UNIVERSITY
FORT LEWIS

Colorado Agricultural College Bulletin

CATALOGUE

Fort Lewis School of Agriculture,
Mechanic AND Household Arts

Hesperus, Colorado

April 8 to Sept. 28. 1918

*A SCHOOL OF PRACTICAL TRAINING
FOR EIGHTH-GRADE GRADUATES
OF THE SOUTHWEST*

Series XVII

December, 1917

No. 11.

The Fort Lewis School of Agriculture, Mechanic and Household Arts

HESPERUS, COLORADO

Term, April 8 to September 28, 1918

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SCHOOL CALENDAR

Registration of Students.....	April 8th, 1918
Class Work Begins.....	April 9th, 1918
Memorial Day.....	May 30th, 1918
Vacation.....	June 28th to July 7th, 1918
Summer Review School.....	July 8th to August 17th, 1918
Colorado Day.....	August 1st, 1918
Labor Day.....	September 2nd, 1918
Graduation Exercises.....	September 27th, 1918

The Fort Lewis School

**IN SOUTHWESTERN COLORADO, LA PLATA COUNTY,
FIFTEEN MILES FROM DURANGO**

Beside the clear La Plata, which flows through the cool shades of innumerable spreading cottonwood trees, and almost at the foot of the La Plata Mountains, is situated the Fort Lewis School of Agriculture, Mechanic and Household Arts.

One could not conceive a more admirable location for a school for young farmers, home makers and teachers. The days are never oppressive and the nights are always cool and refreshing. The conditions for summer study are unsurpassed.

The Purpose of the School

The Fort Lewis property was given the State of Colorado by the United States Government. The General Assembly, in providing for its support, directed that it be a part of the Agricultural College system of the State, and provided for the establishment of a school of Agriculture, Mechanic and Household Arts, where young men and women might be trained to do more efficient work on the farm, in the shops, in the home, and in the rural schools. Incidentally, preparatory training is given those who may wish to enter college.

It is the aim of the school to produce efficient men and capable women who shall be real helpers in the communities in which they live.

Dormitories

Students room in brick dormitories, steam heated and electric lighted. Each student supplies his bedding above the mattress and cares for his own room. The school equips each room with bedstead, spring, mattress, chiffonier, table and chairs.

Equipment

The school is supplied with well bred hogs, sheep, cattle, horses and chickens for the use of the stock-judging classes.

The shops are well equipped with tools, work benches, forges, anvils and lathes, and the laboratories are supplied with material necessary for work in physics, chemistry, botany and other sciences.

The new model kitchen, sewing room and dining room are well equipped with modern apparatus and machines.

Life at Fort Lewis

Students have breakfast at 6:30 a. m. and pass to classrooms and shops at 7:30. The noon-day meal is served at 12 m., and the evening meal at 6 p. m. At 7:15 students pass to the assembly hall, where they pursue their studies under the supervision of one of the instructors. They are dismissed at 9:30 and the lights are turned off at 10:15.



The School Gardens

There is a student dance once a month, a meeting of the Ammons Literary Society once in two weeks, frequent parties, beefsteak fries on the banks of the La Plata, field day athletic events, hikes to the mountains and other diversions.

Instructors are with the students much of the time, and the spirit of the school is good.

There are many opportunities for students to earn money to apply on their expense account. Girls aid in the kitchen, dining room, laundry, dormitory and office, and the boys do farm, garden, shop and janitor work. Not only do students get the information ordinarily gleaned from text books, but they get practical training for farm and household work and receive pay for the time spent in learning.

The cost of board, room, laundry, text books, etc., is exceptionally low, and when from this is deducted the amount that a student earns, there is little to prevent an energetic boy or girl from attending, even if his parents have limited means of support. There are few schools in which one may secure such valuable training at so small an expenditure of money.

The School Surroundings

Pure water, abundant sunshine, fertile soil, cheap fuel, cheap lumber abound in the Fort Lewis district. Fort Lewis is near the famous orchards of the Montezuma Valley and of Farmington and Aztec, N. M., and is the center of great stretches of fertile farming land. The nearest railroad station is Hesperus, five miles north of Fort Lewis, on the Río Grande Southern Railway. Durango, the county seat of La Plata County, is fourteen miles east of Hesperus.

From 1882 until 1892 the Fort was the headquarters of twelve companies of the United States Army. An Indian school was conducted at the Fort from 1892 until 1910.

In 1910 the 6,400 acres of land, with attached buildings, water rights, coal rights and fine timber, were given to the State of Colorado, by the national government, on the condition that an educational institution be maintained there where Indian children are admitted on the same basis as white children.

The Eighteenth Colorado General Assembly accepted the conditions laid down, and, accordingly, in 1911, the Fort Lewis School of Agriculture, Mechanic and Household Arts was established as a branch of the Colorado Agricultural College and placed under the direction of the State Board of Agriculture. The school was opened for students October 2, 1911.

The Twentieth General Assembly provided a levy of two hundredths of a mill for the support of the school, and provided for the establishment of a Rural Teachers' Training Course. This act of the General Assembly insures the financial support of the school and extends its functions so as to make it more useful to the Southwest and to the State generally.

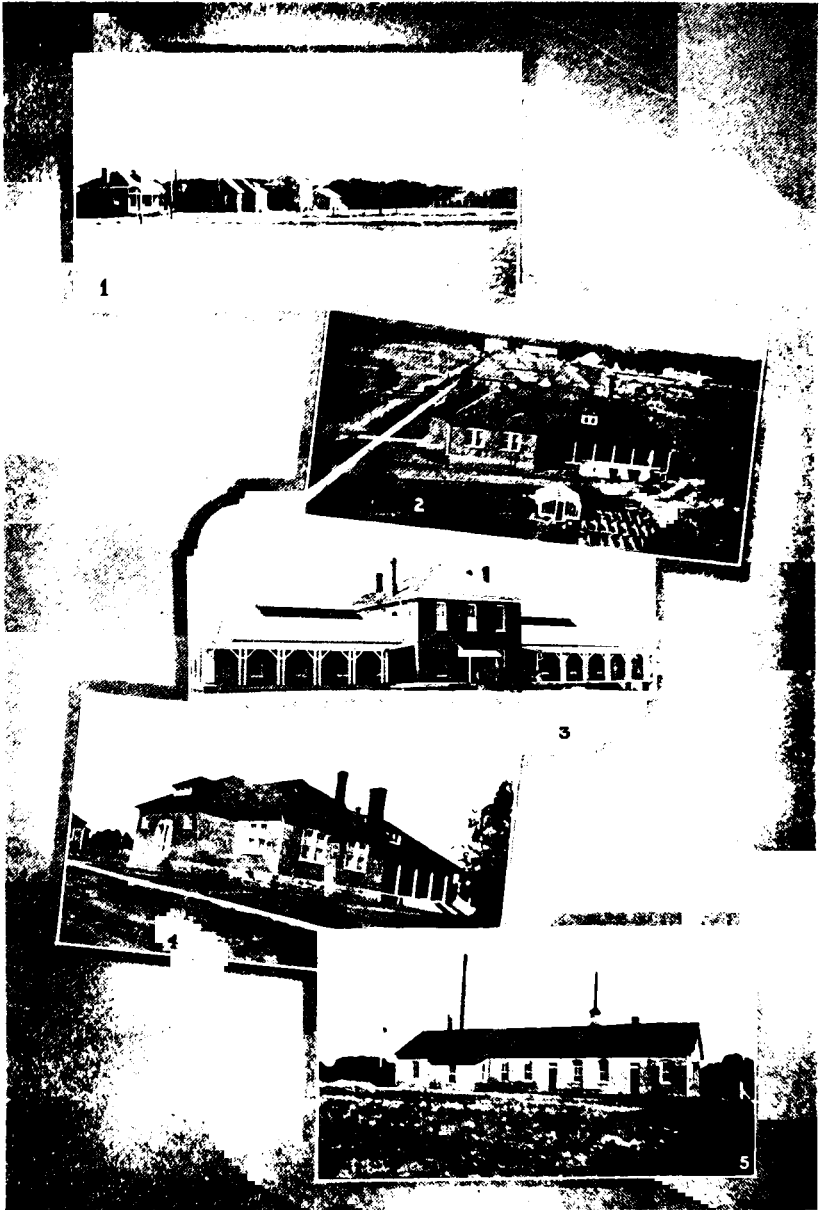
The Twenty-first General Assembly provided funds for erecting farm buildings and for remodeling the dormitories.

What Fort Lewis Looks Like

Fort Lewis and environs present a most attractive appearance. The La Plata Mountains are always visible; the La Plata River, its banks lined with stately cottonwoods and yellow pines, flows through the reserve, and the east and west portions are covered with pine forests.



A Fertile Valley Near Fort Lewis



1. A Portion of the Campus, looking southeast. 2. The Campus, looking northeast.
 3. Girls' Dormitory. 4. The Dining Hall. 5. The Power Plant and Shops.

Twenty-one Buildings on Campus

There are twenty-one buildings, built of stone, brick or wood. They are commodious, convenient in arrangement, electric lighted, sanitary and supplied with water. The building equipment includes the boys' dormitory, dining hall, shops and power house, dairy building, girls' dormitory, six residences, barns, silo and a number of storehouses. The school-house, dormitories, dining hall, office, one residence and the garage are steam heated.

Table Provided With Best of Meats, Vegetables and Dairy Products

No matter to what idealistic heights the pursuit of knowledge takes us, the cravings of the inner man always accompany us, and we must come down to the commonplace subject of eating. Nothing is left to be desired in this respect at Fort Lewis. Students and instructors take their meals at a central dining room, where is served home-butchered pork and beef, fresh vegetables from the garden, butter, cream, milk and buttermilk, fresh from the school's own dairy. The school is largely self-supporting from the standpoint of food. The kitchen has been recently equipped with new ranges, a vegetable peeler, a slicing machine and a dish-washing machine.

Chance to Be Independent by Paying Your Way With Work

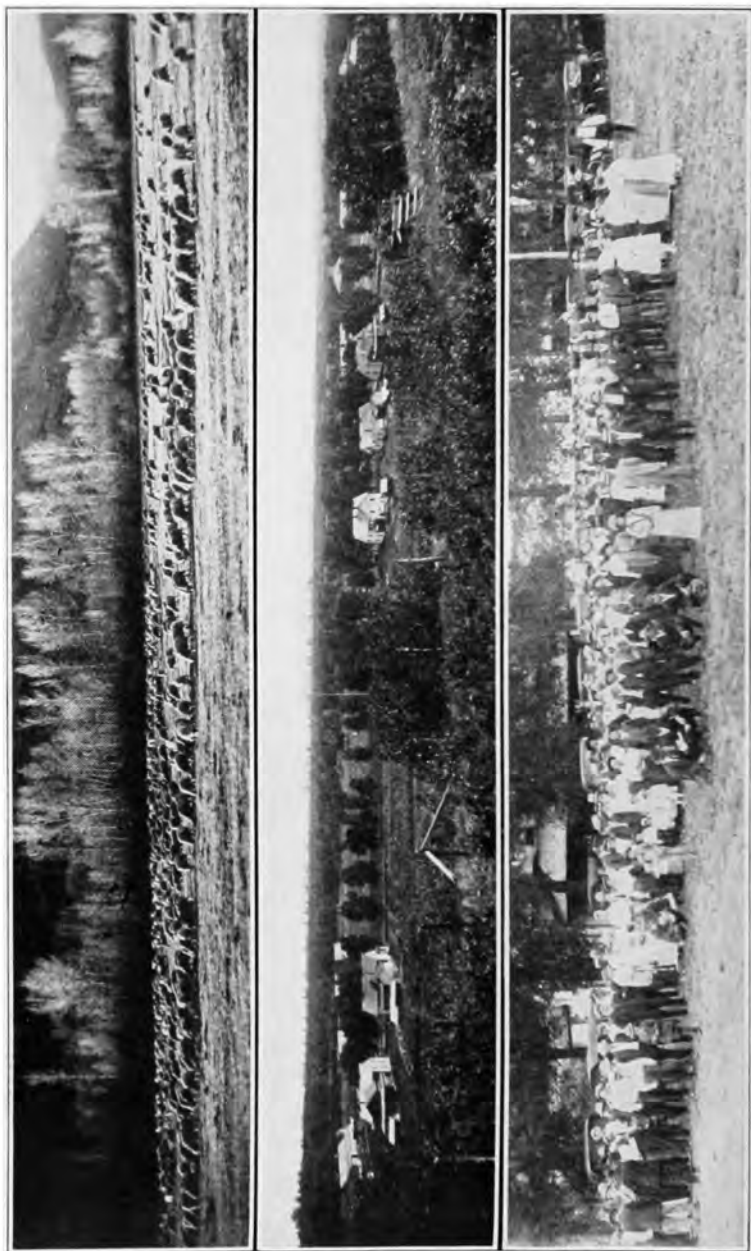
To the student who is compelled to work his way through school, or prefers to do so from a spirit of independence, the Fort Lewis School of Agriculture holds an added interest, for there is excellent opportunity to earn money while preparing oneself there. Boys may earn from \$50 to \$125 and girls from \$25 to \$75 during the six months.

Athletics

The school is fairly well equipped with gymnasium apparatus. There are basketball, baseball, running and vaulting contests. Field day meets are held once a month. The new two-court tennis grounds are first class in equipment and appearance.



The Stock Corrals



Top—A Typical Grazing Scene Near Fort Lewis Center — The Campus Lower — A Group of La Plata County Visitors at Fort Lewis

Physical Training

Regular supervised work in physical training will be required of all students. In the main it will be outdoor training of such a nature as to give the boys and girls strong, active bodies that will respond readily and correctly to the dictates of the will.

Literary Work

The school has two literary societies, the Ammons Society, of which all students of the school are members; and the Senior Debating Society, of which seniors and juniors may become members. Valuable practice in public speaking and debating is gained through the appearance upon the programs in these two societies.

Papers and Magazines

The school subscribes for the Country Gentleman, Wallace's Farmer, Technical World, Good Housekeeping, Literary Digest, Current Events, Pathfinder, Hoard's Dairyman, World's Work, Ladies' Home Journal, National Geographic and Youth's Companion. Complimentary copies of the Field and Farm, Bayfield Blade, Western Farm Life, Ignacio Chieftain and the Collegian are received.

Sessions

School is in session six days in the week, with general assembly for study from 7 to 9:30 p. m. School is closed frequently on Saturday or Monday afternoons for recreation and games.

Library

The school is accumulating a very good library. Bailey's Encyclopedia of Agriculture, the New International Encyclopedia, the Standard Dictionary and a number of other books have recently been added. It has the helpful service, also, of the Colorado Traveling Library.



The Experimental Plots

Sunday Services

Interdenominational Sunday School services are held each Sunday morning at 10:30 o'clock. Preaching services are frequently held on Sunday afternoon or evening.

Courses

1. A three-year course in Agriculture. Term of 1918, April 8th to September 27th.
2. A three-year course of Training for Rural Teachers. Term 1918, April 8th to September 27th.
3. A three-year course in Household Arts for girls. Term of 1918, April 8th to September 27th.
4. A six-week course in Agriculture for High School students. Term of 1918, July 8th to August 17th.
5. A six-week course of Training for Rural Teachers. Term of 1918, July 8th to August 17th.
6. A four-year course for those who wish to prepare for college entrance.

Admission.—Students who have satisfactorily completed the eighth grade, will be admitted without examination.

An examination in Arithmetic, United States History, English, Geography, Reading and Spelling may be required of all prospective students who are over fifteen years of age and who have not completed an eighth grade.

Enroll Early

It will not be possible to accommodate more than one hundred students during the summer of 1918 and all who plan to attend are urged to enroll at an early date.

Teachers' Certificates

All students who have taken the pedagogical subjects have received teachers' certificates at the La Plata county examinations.



A Threshing Scene Near Fort Lewis

Course in Agriculture**FIRST YEAR**

First Term	Periods a week	Second Term	Periods a week
Bench Work	(10)	Forge Work	(10)
Botany	6	Field Crops	6
Stock Judging	(6)	Breeds of Farm Animals	6
English	5	English	5
Arithmetic	5	Arithmetic	5
Physical Training	(3)	Physical Training	(3)

SECOND YEAR

First Term	Periods a week	Second Term	Periods a week
Crop Raising	5	Irrigation and Leveling	3 (3)
Chemistry	3 (4)	Chemistry	3 (4)
English	5	English	5
Farm Mechanics	5	Farm Mechanics	5
Algebra	5	Algebra	5
Horticulture	3 (2)	Horticulture	3 (2)
Physical Training	(3)	Physical Training	(3)

THIRD YEAR

First Term	Periods a week	Second Term	Periods a week
Diseases of Farm Animals	5	Stock Feeding	5
Soils	3	Farm Management	4
Soils Laboratory	4	Farm Accounts	(2)
Animal Breeding	5	Dairying	6
Literature	5	Literature	5
Physics	3 (4)	Physics	3 (4)
Physical Training	(3)	Physical Training	(3)

FOURTH YEAR

(For those who desire to enter college)

First Term	Periods a week	Second Term	Periods a week
Geometry	5	Geometry	5
General History	5	General History	5
Economics and Civics	5	Economics and Civics	5
English	5	English	5

Course in Rural Teachers' Training and Domestic Science**FIRST YEAR**

	First Term	Periods a week	Second Term	Periods a week
Botany		6	Botany and Insect Study	6
Cooking		(10)	Cookery	(10)
English		5	English	5
Arithmetic		5	Arithmetic	5
Manual Training		(10)	Home Nursing	6
Physical Training		(3)	Physical Training	(3)

SECOND YEAR

	First Term	Periods a week	Second Term	Periods a week
American History		5	American History and Civics	5
Algebra		5	Algebra	5
English		5	English	5
Chemistry	3	(4)	Chemistry	3 (4)
Sewing		(10)	Geography	5
Physical Training		(3)	Physical Training	(3)

THIRD YEAR

	First Term	Periods a week	Second Term	Periods a week
Literature		5	Literature	5
Theory and Practice		6	School Management and	
Special Methods		6	School Law	6
Psychology		5	Special Methods	6
Physics	3	(4)	Observation and Practice	5 (5)
Physical Training		(3)	Physics	3 (4)
			Physical Training	(3)

Students expecting to enter college will be required to take the work of the fourth year.

FOURTH YEAR

	First Term	Periods a week	Second Term	Periods a week
Physics	3	(4)	Physics	3 (4)
Geometry		5	Geometry	5
General History		5	General History	5
English		5	English	5

Course of Study for Young Women Domestic Science

FIRST YEAR

First Term	Periods a week	Second Term	Periods a week
Hand Sewing	(10)	Machine Sewing	(10)
Cookery	(10)	Cookery	(10)
English	5	Home Nursing	6
Arithmetic	5	English	5
Physical Training	(3)	Arithmetic	5
		Physical Training	(3)

SECOND YEAR

First Term	Periods a week	Second Term	Periods a week
Advanced Cookery	(8)	The House and Household Management	4
The House and Household Management	2	Chemistry	3 (4)
Chemistry	3 (4)	Horticulture	3 (2)
Horticulture	3 (2)	English	3
English	3	Algebra	5
Algebra	5	Physical Training	(3)
Physical Training	(3)		

THIRD YEAR

First Term	Periods a week	Second Term	Periods a week
Dressmaking	(6)	Serving of Meals	2 (4)
Laundry	1 (4)	Dressmaking	(6)
English	3	Dairying	6
Millinery and Embroidery	(4)	English	3
Physical Training	(3)	Millinery and Embroidery	(4)
		Physical Training	(3)

FOURTH YEAR

First Term	Periods a week	Second Term	Periods a week
Physics	3 (4)	Physics	3 (4)
Geometry	5	Geometry	5
General History	5	General History	5
English	5	English	5
Civics	5	Economics	5

The course in Domestic Science will be offered if called for by four or more students before April 1, 1918.

Agriculture

Field Crops and Crop Raising (First and Second).—Five periods a week for 24 weeks. Text, Wilson and Warburton. A study of wheat, corn, oats, barley, rye and other cereals, forage crops, alfalfa, grasses, potatoes, sugar beets and other root crops. The judging, selecting, testing and care of seeds of the different useful plants, also the different plant diseases and pests and how to treat or eradicate them; the best cultural methods, the best methods of caring for harvested crops, and other useful facts concerning the crops grown on the farm are taught.

Stock Judging (First Year).—Six periods a week for twelve weeks. Text, Purdue University Bulletin No. 29. This is a study of the typical forms and characteristics of different breeds of farm animals. Animals are brought before the classes and the students apply the information gained from texts and instructors in pointing out the desirable and undesirable qualities of each.

Breeds of Farm Animals (First Year).—Six periods a week for twelve weeks. Text, Types and Breeds of Farm Animals, Plumb. This is a study of the characteristics of the various breeds of farm animals. The school is fortunate in having pure-bred Percherons, Herefords, Short-horns, Holsteins, Oxfords, Rambouillets, Duroc-Jerseys, Berkshires and Tamworths, in addition to good grade cattle and horses. One hundred fine stereopticon slides are available for class use.

Botany (First Year).—Six periods a week for twelve weeks. Text, Baily. A study of the seed and the resulting plant and flower, together with the harmful insects.



Filling the School Silo

Horticulture (Second Year).—Texts in vegetable gardening and fruit growing are used. A study of the best vegetables to grow at high altitudes is made, together with the best soil, water and cultural conditions. Some time is given to the plant and insect enemies of vegetables and to the best methods and conditions of storage. During the second term fruit growing is pursued. The best planting and cultural conditions for strawberries, raspberries, currants, gooseberries and hardy tree fruits are studied. Insect pests and how to destroy them are given much attention. Attention is also given to packing, marketing and storing fruit.

Diseases of Farm Animals (Third Year).—Five periods a week for twelve weeks. Text, *Common Diseases of Farm Animals*, Craig. Instruction is given in the care of farm animals, how to properly care for them and guard against disease, and thus secure the best growth or greatest degree of usefulness. Also, how to recognize the common diseases, and how to nurse afflicted animals. Special attention is given to hygiene and farm sanitation.

Soils (Third Year).—Seven periods a week for twelve weeks. Text, *Soils and Soil Fertility*, Whitson and Walster. Fee, fifty cents a term. A study of plant food, preparation of the soil, physical conditions of the soil that affect soil productivity, systems of rotation, manures and commercial fertilizers and similar topics is pursued.

Stock Feeding (Third Year).—Five periods a week for twelve weeks. Text, *Productive Feeding of Farm Animals*, Woll. The value of the different crops as feed for animals is studied and balanced rations for various classes of farm animals are then worked out.

Farm Management and Farm Accounts (Third Year).—Six periods a week for twelve weeks. Text, *Farm Management*, Warren. A study of the business of farming: Why farm, cost of farming, hired help, ten-



A Part of the Dairy Herd



The Dairy Room

ants; diversified and specialized, intensive and extensive farming, size of farm, capital, equipment, cropping system, marketing and farm records and accounts.

Dairying (Third Year).—Six periods a week for twelve weeks. In the dairy laboratory the students are taught the use of the Babcock tester, the lactometer, the moisture test for butter, the methods of handling milk and cream, the running and testing of various cream separators, ripening cream, churning, working, salting and printing of butter. The practical work is supplemented by lectures on composition of milk, care and use of milk and cream, separating and butter making.



A Registered Duroc, Property of the School



The Draft Horses

Animal Breeding (Third Year).—Five periods a week for twelve weeks. The laws of heredity, variation and reversion, the principles of pure breeding, line breeding, in-breeding, cross-breeding, and grading up are taught under this head. The principal points to be observed in



Class in Horticulture Setting Fruit Trees

the practice of breeding, such as are incidental to selection and mating of stock, are emphasized.

Mathematics

Arithmetic (First Year).—Five periods a week for twenty-four weeks. Text, Milne's Complete Arithmetic. Drill upon the four fundamental operations, factoring, lowest common multiple, tests for divisibility of numbers, common and decimal fractions, mensuration, denominate numbers with tables, United States land survey, standard time, longitude and time, percentage, profit and loss, commission and brokerage, taxes, trade discount, simple interest, bank discount, proportion and square root, measurement of hay, cisterns, silos and land. Much of the work in arithmetic will be based upon practical farm problems arising from daily field work.

Algebra (Second Year).—Five periods a week for twenty-four weeks. Text, Wells and Hart. The fundamental operations: Factoring, fractions, simple equations, radicals and quadratics are studied.

Geometry (Fourth Year).—Five periods a week for twenty-four weeks. Text, Wells Plane Geometry.

Irrigation and Leveling (Second Year).—This is a practical course for farm boys. The purpose is to give such instruction as will make it possible to lay ditches out on grade on the home farm.

Science

Home Nursing (Second Year).—Six periods a week for twelve weeks. A study of the proper sanitary conditions that should surround school and farm houses, with special reference to sources of domestic water supply and the disposal of refuse. Physiology is studied for a good foundation for the work in hygiene and in home nursing.

Psychology (Third Year).—Six periods a week for twelve weeks. Text, Outlines of Educational Psychology, Pyle. A study of the laws of heredity, habit, memory and attention as applied in teaching, and of the individualistic, social adaptive instincts and their use in the educative process.

Physics (Third Year).—Three hours of class or recitation work and four hours of laboratory work per week for twenty-four weeks. Text, Milliken and Gale (Revised). Fee, \$1 a term. A study is made of simple machines, pneumatics, hydrostatics, heat, light, sound and electricity and their application to every-day problems.

Chemistry (Second Year).—Three hours class and four hours laboratory a week for twenty-four weeks. Text, Chemistry and Its Relation to Daily Life, Kahlenberg and Hart. Fee, \$1.50 a term. After studying the fundamental principles of pure chemistry, the application of chemistry to the farm and home life is taken up. The chemical properties and values of foods, and the chemical changes and effects due to cooking and baking are studied. The elements affecting plant growth and soil fertility are studied, and the value of manure and commercial fertilizer taken up.

Mechanic Arts

Farm Mechanics (Second Year).—Five periods a week for twenty-four weeks. Text, Davidson and Chase. A study of farm machinery and motors and of leveling, irrigation, cement and concrete work. The underlying principles of farm machines of various types, a detailed study of these machines and their care is made. The various forms of power available for farm use, such as windmills, gas engines, steam engines, water wheels and electric motors are studied and compared.

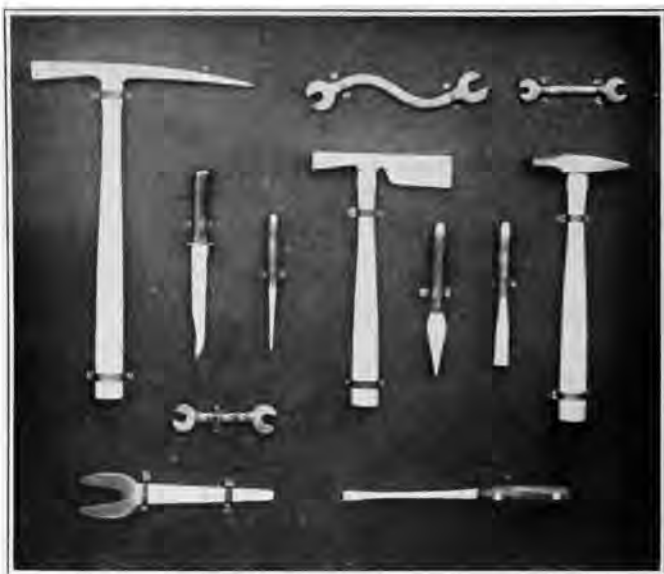
Forge Work (First Year).—Ten periods a week for twelve weeks. Fee, \$2.50. After some preliminary work from blueprints in shaping, welding and tempering, plow-sharpening, making of cleavices, ice tongs, ironing doubletrees and the making of other useful articles is taught.

Blacksmithing.—The various forging processes in iron and steel are taught, such as bending, twisting, upsetting, drawing and welding. Chains, hooks, bolts, neckyoke centers, single-tree irons, clips and centers, and similar articles are made. Elementary work in tool steel, including the making of chisels and punches, is given.

Tool-smithing.—A continuation of the course in blacksmithing. The proper handling of tool steel, including forging, heat treatment and finishing, is taught, by making chisels, punches, hammers, picks and wrenches. Case-hardening of machine steel pieces, such as wrenches, is also taken up. Fee, \$3.



Work in Iron Done by Students in Forging



Work in Tool Steel Done by Students in Forging

Wood Turning.—A practical course, teaching the various methods of turning, such as spindle, face plate, pin and chuck work. The pieces made are as far as possible practical, including Indian clubs, dumb bells, rolling pins, plates, picture frames, napkin rings, cups, vases, boxes and candlesticks. Glueing up and methods of finishing are taught. Fee, \$3.

Bench Work (First Year).—Ten periods a week for twelve weeks. Fee, \$2.50. The use and care of wood-working tools are taught. Work on exercises from blueprints is followed by the practical work, such as furniture-making, construction of window and door frames, doubletrees and eveners, gates, feeding racks and troughs and water tanks.

Manual Training (First Year).—Six periods a week for twelve weeks. Fee, \$2. Sloyd, clay modeling, paper cutting and folding exercises in basketry are given. Special attention is paid to designing the exercises to meet the conditions of the country school. Full advantage is taken of the value of the small boy's pocket knife in whittling exercises and of the little girl's small shears in paper cutting. The pupils are shown how to make the most of materials easily available at the country school.



Lathe Work in Wood



Student Work in Wood Turning

English and Literature

First Year.—Five periods a week for twenty-four weeks. Text, Reed and Kellogg's English Grammar. A study of the essentials of English Grammar and Elementary Composition. For the boys the work in composition consists largely of reports, outlines and descriptions of their field work.

Second Year.—Five periods a week for twenty-four weeks. Text, 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.

Third Year.—Five periods a week for twenty-four weeks. The purpose of this course is to acquaint the pupils with our best American authors and their writings. Especial attention is given to those books which picture the beauties found in country life.

Fourth Year.—Five periods a week for twenty-four weeks. This is a course in English Literature in which the major portion of the time is given to the writers of the British Isles.

Civics

Third Year.—Five periods a week for twelve weeks. Government—local, county, state and national—is studied. This is a course of training in citizenship.

History

United States (First Year).—Six periods a week for twelve weeks. Text, School History of the United States, Mace. Particular attention is paid to the history of agriculture and industrial development in the United States and to the methods of teaching history.

General History (Fourth Year).—Five periods a week for twenty-four weeks. Meyers' General History is used.

Economics

Economics (Fourth Year).—Five periods a week for twelve weeks. Elements of Economics by Burch and Nearing is used as a guide.

Geography

Political and Physical (Second Year).—Five periods a week for twelve weeks. A good text is used in each subject. Much attention is given to map study, industrial geography and methods of teaching geography.



A Class in Canning

Domestic Science

Hand Sewing (First Year).—Lectures are given in the selection and use of materials, methods of making and use of thread, needles, thimbles and tape measures; instruction is given in the different kinds of stitches, seams, hems, buttonholes, patching, darning and care of clothing.

Machine Sewing (First Year).—The training in hand work is followed by directions in the care and use of sewing machines and the making of simple garments or articles for the house.



Learning to Make Their Own Clothes



Articles Made by Students in Sewing

Dressmaking and Millinery (Third Year).—Ten periods a week for twelve weeks. The covering and lining of a simple frame, the sewing of braids, and the making of wire frames are taught; also a few of the useful stitches in embroidery, with suggestions for their combination and application. Each girl cuts out and makes two dresses, one of washable material, and the other of woolen material. Students are taught how to fit garments, also the careful finishing of seams, hems and plackets.

Cookery (First Year).—Ten periods a week for twelve weeks. The courses in cookery include a study of foods, together with explanation of the reasons for certain practices in cooking, practical lessons in plain cooking, knowledge of fuel and the use of the kerosene and coal range. Neatness, system and speed, together with quietness, are strongly emphasized in the practice work of the students.

Advanced Cookery and Serving of Meals (Second Year).—Ten periods a week for twelve weeks. The study of the relative value to the body of different food nutrients, the planning and serving of meals suitable to varying conditions.

The House and Household Management.—House plans, house furnishings, sanitary consideration in heating, lighting and ventilation of houses, the water supply, disposal of household wastes, care of the house in general, the keeping of accounts, the week's routine, selection and care of supplies are studied.

Laundry.—The students are taught the use, cost of, and care of laundry equipment, of various soaps, washing powders, bluing and starches. Practice is given in removing stains and in the laundering of such linens and garments as are found in the washing of the average household.



Dainty Hostesses on Visitors' Day

Pedagogy

Theory and Practice (Third Year).—Six periods a week for twelve weeks. 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.

Special Methods (Third Year).—Six periods a week for twenty-four weeks. The best methods of teaching reading, arithmetic, language, geography and history are studied, discussed and illustrated.

School Management and School Law (Third Year).—Six periods a week for twelve weeks. A study of the physical environment of the pupil, general sanitation, the teacher, his preparation and his relation to the school board, parents and pupil, the school program, incentives to study, examinations, promotions and moral training. Much time is given to study of the school laws of Colorado.

Observation and Practice (Third Year).—Ten periods a week for twelve weeks. Observation of classroom instruction, and a discussion of the same, followed by actual practice work under supervision and direction.

The Fort Lewis Short Course
for
High School Students, Teachers and Others
July 8 to August 17, 1918

The course is designed for those who wish to secure credits that will be accepted at the Fort Lewis or the Colorado School of Agriculture, in Colorado High Schools and for those who wish to take the county teachers' examination.

Special classes under special teachers will be organized in the subjects named below, provided there have been at least four applications for the subject BEFORE July 1, 1918. No summer school student will be expected to take fewer than two nor more than four subjects during the Short Course.

If it is your desire to enter the school on July 8, do not fail to notify the principal of the school before July 1, naming the subjects in which you wish classes formed.

Students may select four subjects out of any one of the following groups or in special cases a total of four may be selected from different groups.



Two Fair Graduates

Course of Study for Fort Lewis Summer Term

First Summer

Bench Work in Wood
 Forge Work
 Field Crops
 Stock Judging
 Horticulture

Second Summer

Lathe Work in Wood
 Tool Steel Work
 Soils
 Farm Machinery
 Irrigation and Leveling
 Farm Management
 Stock Feeding
 Stock Breeding

Teachers' Course

First Summer

Arithmetic
 English
 American History
 General Science
 Civics

Second Summer

Psychology
 Theory and Art of Teaching
 School Management
 School Law
 Special Methods in Teaching the
 Common School Subjects

Course for High School Students

General History
 Composition
 Algebra
 Civics
 General Science



A School Banquet

Regulations

Students must secure permission before leaving the grounds. All students must have permits from home to go to town.

The use of tobacco is not permitted.

Students must not have firearms in their possession.

All students meet at the central study hall at 7 o'clock each evening for study, entertainment or attendance upon a religious or literary program.

Estimated Expenses for the Session of Six Months

FOR BOYS

Board, room, per month.....	\$ 20.00
Stationery	5.00
Entrance and Library Fee..	5.00
Forge and Bench Fees. \$2.50 each.....	5.00
Incidental Expenses	10.00
Science Fees	4.00
Books, about	6.00
Laundry, about	10.00
Total for six months.....	
	\$165.00

FOR GIRLS

Board, room, per month.....	\$ 20.00
Gymnasium suit	5.00
Stationery	5.00
Science Fees	4.00



A Costume Party

Incidental Expenses	10.00
Domestic Science Fees, \$2 each.	4.00
Entrance and Library Fee.	5.00
	<hr/>
Total for six months.	\$153.00

Tuition of \$20 per year is charged to those who are not residents of Colorado.

Fees and tuition must be paid for the six months in advance. 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 later or leave before the close of school.

A property deposit fee of \$3 is required at the time of registration. This will be returned if property has not been lost or damaged.

Regular charges are made for taking students and others to and from Hesperus and Durango or other places.



An Evening Meal on the Banks of the La Plata River

Register of Students Who Have Attended Fort Lewis School Since October, 1911

FORT LEWIS SCHOOL GRADUATES

1914

McCulloch, Robert
Reeder, Orin

1915

Fredlund, Reuben
McCulloch, Clay
Michael, Ray

1916—March

Pollock, Bertha
Pollock, Ethel
Roubidoux, Raymond
Hammond, Platt
Fielding, Leonard

1916—September

Baker, C. H.
Hunt, Alice
Lundquist, Albert
McNamee, Laughlin
Snyder, T. J.
Snyder, Paul
Sullivan, Frank
Turner, Willie
Willis, Edward

1917—September

Anderson, Esther
Skelton, Arlene

Alley, Arthur.....Durango
*Anderson, Esther...La Plata, N. M.

*Baker, Hillard.....Wyoming
Baird, Laura.....Breen
Baird, Mrs. Callie.....Breen
Beaty, Buda.....Pagosa Springs
Bonham, Lloyd.....Fort Collins
Boyd, George.....Ordway
Breedon, Helen.....Illinois
Breedon, Ralph.....Illinois
Brimhall, Alma....Fruitland, N. M.
Brinkerhoff, David.....Mancos
Brinkerhoff, Levi.....Mancos
Brown, Harold.....Arizona
Brown, Laurence.....Durango
Burgman, J. Quincy.....Ignacio
Burnham, Bessie.....Redmesa
Burns, Walter....Flora Vista, N. M.

Canfield, Hiram.....Arriola
Cavanass, Erma.....Hesperus
Cavenas, Mrs. Muriel.....Breen
Chambers, Robt. Farmington, N. M.
Chockley, Marlan.....Arboles
Connell, Agnes.....Durango
Cook, Edna.....Durango
Craft, Howard.....Kline

Dale, Ellen.....Redmesa
Daniels, Tom.....Pagosa Springs
Dean, Chas.....Redmesa
Decker, Earl.....Mancos
De Lusch, Mrs. Milton....Durango
Dennison, Catherine.....Breen
Dettl, Plerene.....Griffith
Dunlap, Irvin.....Pagosa Springs
Dunlap, Vera.....Pagosa Springs

Edwards, Alvin.....Arizona
Egger, Raymond.....Bayfield
Ellis, John.....Mancos

Fay, Richard.....Montrose
*Fielding, Leonard.....Idaho
Fielding, Mary.....Idaho
Fielding, Mrs. Frank.....Mancos
Flaugh, Leon.....Pagosa Springs
Fredlund, Fred.....Fort Collins
*Fredlund, Reuben.....Fort Collins
Fredlund, Dewey.....Fort Collins
Frazier, Vance.....Durango

Glenn, Cleo.....Lebanon
Gibbons, Vawter.....Log Cabin
Gould, Walter.....Bear Creek
Green, Claude.....Durango
Greer, Harry.....Redmesa

Halls, Dilworth.....Mancos
Halls, J. Lewis.....Mancos
Halls, Lillie.....Mancos
Halls, Lee.....Mancos
Halls, Roy.....Mancos
Hamilton, Will.....Kline
*Hammond, Platt.....Mancos
Hammond, Roy.....Lebanon
Hare, Will.....Bloomfield
Harris, Hervey.....Arriola
Harrison, Winn.....Breen
Harvey, Clarence.....Fort Collins
Hatch, Joseph....Fruitland, N. M.
Hatcher, Oscar.....LaBoca
Hatley, Dean.....California
Helton, Golda.....Durango
Henderson, Ersa.....Hesperus
Hight, Evelyn.....Vanadium

Hott, Powell.....	Tiffany	Quinn, Mary.....	Durango
Houser, Louise.....	La Veta	Rathjen, Robert.....	Aztec, N. M.
Hubbard, M.....	Shiprock	*Reeder, Orin.....	Durango
Hughs, Willa.....	Hesperus	Reim, Elsa.....	Mancos
*Hunt, Alice.....	Hesperus	Retherford, Roy.....	Yellow Jacket
Hunt, Roberta.....	Hesperus	Rockwell, Mabel.....	Durango
Huntington, J.....	Hesperus	*Roubidoux, Raymond.....	Cortez
Humphreys, Robert.....	Hesperus	Rust, Louise.....	Dolores
Jaquez, Onofre.....	Blanco, N. M.	Scott, May.....	Fort Collins
Jones, Myrtle.....	Pagosa Springs	Sever, Eugene.....	Flora Vista, N. M.
Kermode, Alfred.....	Cortez	Shaferhoff, Joseph.....	Durango
Kimball, Carolyn.....	Allison	Simpson, Pat.....	Breen
Kimball, Edith.....	Allison	Simpson, Roy.....	Durango
Kimsey, Mrs. Kate.....	Hesperus	*Skelton, Arlene.....	Shiprock, N. M.
Leonard, Frankie.....	Silverton	Slade, Clarence.....	Redmesa
Lieper, Harold.....	Illinois	Slade, Evelyn.....	Redmesa
Lilly, Lemuel C.....	Cripple Creek	Slade, Ida.....	Breen
Longenbaugh, S.....	Cortez	Smith, Alice.....	La Plata, N. M.
*Lundquist, Albert.....	Trinidad	Smith, Russell.....	La Plata, N. M.
McCall, Rex.....	Arriola	Smith, Donald.....	Cortez
McCartney, Tom.....	Durango	Smith, Elsie.....	La Plata, N. M.
*McCulloch, Clay.....	Durango	Smith, Hiram.....	Mancos
McCulloch, Lillie.....	Durango	*Snyder, Paul.....	Hesperus
*McCulloch, Robert.....	Durango	*Snyder, T. J.....	Dove Creek
McEwen, Reuben.....	Cortez	Snyder, Glenn.....	Hesperus
McElva, Mrs. Elva.....	Durango	Sorg, Violet.....	Durango
McIntyre, Lizzie.....	Breen	Steckler, Bertha.....	Hesperus
*McNamee, Laughlin.....	La Plata	Steele, Jennie.....	Kline
Menefee, Carolyn.....	Mancos	Stevens, Elsie.....	Bayfield
Meyers, Duncan.....	Bayfield	*Stinson, Mrs. Susie.....	Kline
*Michael, Ray.....	Hesperus	*Sullivan, Frank.....	Fort Collins
Miller, Ella.....	Silverton	Sullivan, Jose.....	Durango
Miller, E. Florence.....	Kline	Taylor, Aubra.....	Ignacio
Miller, Sophia.....	Durango	Taylor, Gladys.....	Redmesa
Mohney, John.....	Kline	Taylor, George.....	Ignacio
Morris, Sarah.....	Ignacio	Taylor, Leo.....	Redmesa
Mueller, Anna.....	Florida	Taylor, Lillian.....	McElmo
Neil, Frank.....	Ignacio	Taylor, Lydia.....	Redmesa
Nelson, Earl.....	Telluride	Thayer, D. C.....	Manhattan, Kan.
Nelson, Frank.....	Durango	Thomas, Virgil.....	Mancos
Nicholson, Ernest.....	Hesperus	Thompson, Clarence.....	Ignacio
North, Ruth.....	Cortez	Thompson, Louise.....	Durango
O'Brien, Roy.....	Durango	Thompson, Mrs. Jennie.....	Pendleton, N. Mex.
Officer, Adaline.....	Creede	Tipotch, Isabel.....	Hesperus
Olbert, Walter.....	Oxford	Todd, George.....	Cortez
Palmer, Murray.....	Farmington, N. M.	Tovera, Mrs. Sylvia.....	Ignacio
Pedwell, Sylyanus.....	Griffith	Tozer, Clyde.....	Moqui
Peters, Harry.....	Durango	Turner, Morrill.....	Ignacio
Philo, Helen.....	Durango	*Turner, Willie.....	Ignacio
Pilat, Eva.....	Durango	Townsend, Mrs. Irene.....	Aztec, N. M.
Pierce, Allen.....	Aztec, N. M.	Walker, Mae.....	Redmesa
Pinkstaff, Rhoda.....	Aztec, N. M.	Walker, Ruth.....	Redmesa
*Pollock, Bertha.....	Allison	Wallace, Homer.....	Lebanon
*Pollock, Ethel.....	Allison	Wallace, Lena.....	Lebanon
Price, John.....	Canon City	Walters, Newton.....	Fort Collins
Pulliam, Josephine.....	Durango	Ward, Frank.....	Brighton
		Welborn, Robert.....	Mancos
		Weston, James.....	Mancos
		Whittlesey, Webb.....	Durango
		Wilden, Oscar.....	Redmesa
		Willis, Alex.....	Durango
		*Willis, Ed.....	Durango
		Willis, Markley.....	Durango
		Willis, Orlo.....	Colorado Springs
		Woodberry, Ward.....	Cortez
		Wride, Will.....	Griffith

*These students have graduated.

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