

L3.16

Mr. Burgert
Mr. Griffith
Mr. Tokunaga
Mr. Watanabe
Mr. Sato

QUARTERLY REPORT
June 25, 1943

Agriculture

This work was covered during March 15 to June 25.

I. Field work consisted of

1. Swine
 - a. Castration of 106 hogs
2. Helped with the disease control.
3. Farm
 - a. Soild Preparation
 1. Plowed
 2. Disked
 3. Planed
 4. Harrowed
 5. Set up machinery
 6. Repaired machinery
 - a. Side delivery rake
 - b. Attached mower on tractor
 - c. Attached horse drawn, buck rakes on tractor
 - d. Hay stacker
 7. Plants
 - a. Corn
 - b. Beans
 - c. Tomatoes
 - d. Potatoës
 8. Cultivated
 - a. Corn
 - b. Beans
 - c. Potatoes
 - d. Tomatoes
 9. Ditched fields
 - a. Main ditches
 - b. Field ditches
 - c. Row ditches
 10. Surveyed drain ditches

- 11. Haying
 - a. Cut hay
 - b. Raked hay
 - c. Bucked hay
 - d. Side delivery rake
 - e. Stacked hay
 - f. Used hay stacker

- 12. Irrigation
 - a. Potatoes
 - b. Hay
 - c. Bucked Hay
 - d. Tomatoes
 - e. Beans
 - f. Grain
 - g. Alfalfa

B. Auto Shop - Ag. 1 and 2

- 1. General repairs of automobile
- 2. Service of auto and tractors
 - a. Boys serviced tractors used on the Vocational Farms

C. Theory - Ag. 1

- 1. Swine production
 - a. Types of swine
 - b. Breed of swine
 - c. Feeding and management of boar and sow
 - d. Feeding and management of young pig
 - e. Dry - lot - fattening - fattening on pasture
 - f. Forage crops for swine - carbohydrates feeds
 - g. Care of sow after farrowing
 - h. Protein supplement
 - i. Hogging down corn - miscellaneous investigation
 - j. Hog equipment
 - k. Disease of swine
 - 1. Hog cholera
 - 2. Swine erysepelas
 - 3. Ententis of swine
 - l. Parasites
 - 1. Hog mange
 - 2. Hog lice
 - m. Internal parasites
 - 1. Ascarids
 - 2. Thorn head worms
 - 3. Flukes
 - 4. Lung worms
 - n. Trip to Lamar
 - 1. Slaughter house
 - 2. Made chart of day to day Denver Livestock
 - o. Report on hog, cattle, and sheep.

D. Theory - Ag. 3

1. Measured and calculated acreage of all field in Vocational Farms.
2. Made scaled maps to size of the Vocational Farms
3. Made crops map of the United States
4. Study of corn

E. Miscellaneous

1. Helped poultry farm
 - a. Clean brooder house
 - b. Grind feed
 - c. Build feeders
2. Farm section
 - a. Tractor driver
 - b. Irrigation work
 - c. Planted corn
 - d. Stacked hay
 - e. Build hog fence
3. Made maps of our farms for Mr. Terry, Mr. Lindley and for Vocational office.

QUARTERLY REPORT

Class: Agriculture I and II
Quarter: December 15, 1942, to March 15, 1943
Teachers: Mr. Burgert, Mr. Griffith, Mr. Tokunaga, Mr. Sato,
Mr. Watanabe

The following is an outline of the work completed in Agriculture Department for the period December 15, 1942, to March 15, 1943.

A. Field work consisted of assisting farm department in:

1. Dairying
 - a. Feeders
 - b. Sheds
 - c. Stanchions
 - d. Hauling feeds
 - e. Grinding feeds
 - f. Repairing pens
2. Swine
 - a. Assisted with vaccination
 - b. Poured cement feed floor
 - c. Built sheds
 - d. Hauled feeds
 - e. Pump foundation
 - f. Built feed pens
3. Farm
 - a. Cleaned fields
 - b. Cleaned irrigation ditches
 - c. Repaired and removed fence
 - d. Baled straw
 - e. Operation
 - (1) Plowed
 - (2) Disked
 - (3) Harrowed
 - (4) Floating
 - (5) Machine assembly
 - (6) Surveyed contours
4. Miscellaneous
 - a. Tore down barn
 - b. Built line fence
 - c. Scrap drive
 - d. Helped load out dairy herd

B. Auto Shop - Agriculture I

1. Front end and steering assembly
2. Clutch and transmission assembly (principles and construction)
3. Built up shop
4. Assisted in bringing demonstration cars from Lamar

C. Theory - Agriculture I

1. Botany
 - a. Cells
 - b. Plant as whole
 - c. Roots
 - d. Stems
 - e. Flower
 - f. Leaf
2. Swine
 - a. Economics
 - b. Judging
 - c. Breeds
 - d. Beginners' suggestions
 - e. Judging trip
3. Beef
 - a. Judging
4. Dairy
 - a. Judging

D. Auto Shop - Agriculture II

1. Front end and steering assembly
2. Clutch and transmission assembly (principles and construction)
3. Built up shop
4. Assisted in bringing demonstration cars from Lamar

E. Theory - Agriculture II

1. Poultry
 - a. Classification of breeds
 - b. Housing units and care
 - c. Marketing
 - d. Judging for egg and meat production
2. Cattle
 - a. Beef judging
 - b. Dairy judging
3. Swine
 - a. Diseases and vaccination

TEACHER'S QUARTERLY REPORT

Class: Agriculture III

Quarter: October 12 to December 12, 1942

Teacher: L. J. Burgert

I. Work covered by class

- A. From October 12 to December 12, work consisted of doing practical work on the farm.
- B. List of jobs: Construction of hog pen, cow sheds, calf sheds, self-feeders for hay, feeding bunks; plowing; hauling hay; de-horning; dismantling barn; collecting scrap iron.
- C. Enrollment: Enrollment was increased from twenty-one boys at the beginning of the quarter to thirty-four boys.
- D. With the arrival of Mr. Griffith on December 18th, the class was divided into three sections.

II. Plans for Second Quarter

- A. We plan to operate the auto mechanics shop;
- B. To give the fundamental theory of poultry production, including the actual brooding of chicks secured by the Farm Section;
- C. To have one group working daily on the farm on practical jobs.
- D. We hope, during the second quarter, to be able to outline the farming program for the summer, deciding on acreage, methods, crops.

III. Special Activities carried on by class

- A. Advanced agricultural boys held a joint educational tour to Lamar.

Notation: Lack of equipment greatly handicaps the progress of work.

TEACHER'S QUARTERLY REPORT

Class: Agriculture I

Quarter: October 12 to December 12, 1942

Teacher: Ed M. Tokunaga

I. Work covered by the class during the quarter.

- A. From October 12 to December 4, the whole class worked outside on the farms exclusively.
- B. From December 4 the class was divided into two equal groups and theory class was held every day with a group staying in classroom alternatively. In other words, one group stayed in while the other group went out to the farm.
From December 4 to December 12 we have covered History of American Agriculture in U.S.D.A. Yearbook, 1940, Farmers in the Changing World; two chapters in Practical Agriculture for High School on economics; and in an introductory chapter in the Textbook of General Botany.

II. Textbooks and reference material used.

- A. No textbook
- B. References
 - 1. U.S.D.A. Yearbook 1940, Farmers in the Changing World
 - 2. Practical Agriculture for High School by McIntosh and Orr
 - 3. Textbook of General Botany by Holman and Robbin

III. No special activity held by this class.

Respectfully submitted,

Ed. M. Tokunaga
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Ed. M. Tokunaga

Mrs. Walther

WAR RELOCATION AUTHORITY
Granada Project
Ancho, Colorado

MEMORANDUM

To: Mr. Lindley
Mr. Johnson
Mr. Fuller
Mr. Spencer

From: Lloyd A. Garrison *L.A.G.*

Subject: The Vocational Agriculture Program

October 12, 1944

For some time changes in the Vocational Agriculture program have been under way. Since their beginning these plans have had to be further modified because of changing needs and conditions. The attached outline is the result of a careful study beginning early last summer. It sets up a minimum educational plan for Vocational Agriculture at the secondary school level.

In making these plans the following important factors were given consideration:

- (1) Because the students are not permanent residents and because the schools themselves are not permanent, it seemed advisable to plan a program of work and study to cover one year only.
- (2) The planning of a one-year program makes it imperative that it include a maximum of classroom instruction with emphasis upon essential information and skills which may be used by a pupil in a wide variety of farm situations or in transfer to other high schools offering courses in vocational agriculture.
- (3) Every boy enrolled in agriculture must also be enrolled in other secondary school courses leading toward graduation with accepted units of credit. Every boy is also entitled to opportunities for participation in the social and extra-class program of the school.

(4) The reduced enrollment in agriculture (now 21) makes it necessary to reduce the scope of farming operations and difficult to justify the employment of a full-time P-2 teacher and two assistants for the agricultural program alone. The present enrollment can be readily taught in one section rather than in two as in previous years. This arrangement makes one-half the instructor's time available for instruction in educational programs other than agriculture.

(5). The reduced enrollment and the change of emphasis in instruction makes it necessary to reduce the acreage of the school farm, eliminate the proposed project of feeding 100 calves and reduce other operations which cannot be performed without sacrificing school work.

With these reasons in mind Mr. Griffith has been given the responsibility of conducting a two-hour class in auto and tractor mechanics for 28 boys each morning and a three-hour class for boys in Vocational Agriculture in the afternoon. This assignment appears to be satisfactory to both classes and to Mr. Griffith. I am taking this opportunity to solicit your understanding and cooperation in effecting these changes.

For your information a complete outline of the units to be studied in Vocational Agriculture is attached. You will note that it most certainly constitutes a full year's work.

cc: Mr. Griffith
Mr. Walter
Mr. Walther

COURSE OF STUDY FOR VOCATIONAL AGRICULTURE
FOR THE 1944-1945 SCHOOL TERM

The following units are to be scheduled by the instructor to fit seasonal demands and to coordinate with the vocational agriculture farm activities.

I. Beef

1. Selecting high grade bulls.
2. Employing the best range management practices.
3. Vaccinating for black leg or other diseases.
4. Feeding hay according to recommendations.
5. Feeding grain according to recommendations.
6. Feeding necessary mineral supplements.
7. Culling out poor quality females.
8. Dehorning with caustic or paste.
9. Marketing cattle through a central market.
10. Purchasing supplemental feeds cooperatively.
11. Purchasing feeders cooperatively.

II. Dairy

1. Constructing dairy buildings.
2. Constructing feed racks.
3. Planting a pasture.
4. Culling low producing cows.
5. Testing cows for butterfat on D.H.I.A. basis.
6. Feeding hay according to recommendations.
7. Feeding grain according to recommendations.
8. Producing high quality milk.
9. Rotating grazing in pastures.
10. Keeping pastures free from weeds.
11. Properly management of manure.
12. Feeding calves according to recommendations.
13. Keeping production records of entire herd
14. Feeding necessary mineral supplements.

III. Poultry

1. Building or reconstructing poultry house.
2. Building troughs and feeders.
3. Building range shelter.
4. Culling low producers.
5. Keeping poultry accounts.
6. Feeding baby chicks according to recommendations.
7. Feeding growing pullets according to recommendations.
8. Feeding producing hens according to recommendations.
9. Producing high quality eggs.

10. Purchasing chicks from approved hatcheries.
11. Brooding chicks according to recommendations.
12. Using clean range for growing birds.
13. Practicing tested sanitary measures.
14. Marketing poultry products cooperatively.
15. Using electric lights as recommended.
16. Keeping weight records.

IV. Sheep

1. Flushing ewes before breeding.
2. Using purebred high quality rams.
3. Providing exercise for pregnant ewes.
4. Feeding early lambs.
5. Keeping fleece weight records.
6. Culling low producing ewes.
7. Feeding hay according to recommendations.
8. Feeding grain according to recommendations.

V. Swine

1. Constructing feeders and equipment.
2. Feeding home grown grains.
3. Flushing brood sows.
4. Pasturing hogs in summer.
5. Practicing approved sanitary measures.
6. Feeding grain according to recommendations.
7. Feeding adequate protein supplements.
8. Raising two litters per sow per year.
9. Marketing litters at price peak periods.
10. Using protective measures at farrowing time.
11. Purchasing and storing feed when it is cheap.
12. Marketing hogs on central market.
13. Feeding necessary mineral supplements.
14. Culling low producing sows.
15. Using high quality purebred boars.

VI. Field Crops

1. Leveling land.
2. Laying out an irrigation system.
3. Installing weirs and headgates.
4. Constructing storage cellar.
5. Building beet rack.
6. Eradicating noxious weeds.
7. Repairing and oiling harnesses.
8. Repairing and maintaining machinery.

9. Planting desirable varieties.
10. Treating seed for disease.
11. Eradicating insect pests.
12. Preparing seed bed according to best methods.
13. Irrigating according to tested procedures.
14. Thinning according to best known methods.
15. Planting crop according to best known methods.
16. Packing and grading produce attractively for market.
17. Marketing produce to best local advantage.

VII. Fruit

1. Renovating an old orchard.
2. Planting a young orchard.
3. Planting a berry patch.
4. Laying out an irrigation system.
5. Installing weirs and headgates.
6. Fertilizing fruit land.
7. Eradicating noxious weeds.
8. Building or reconstructing a packing shed.
9. Building ladders or other orchard equipment.
10. Repairing, painting and oiling orchard machinery.
11. Planting recommended varieties.
12. Planting according to recommended practices.
13. Pruning according to tested procedures.
14. Spraying according to tested procedures.
15. Irrigating according to tested procedures.
16. Cultivating according to tested procedures.
17. Thinning fruit.
18. Grading fruit for marketing.
19. Packing fruit attractively for marketing.

VIII. Forage Crops

1. Leveling land before planting.
2. Laying out irrigation system.
3. Installing weirs and headgates.
4. Constructing or reconstructing fences.
5. Building a derrick.
6. Eradicating noxious weeds.
7. Draining pasture land.
8. Planting approved varieties.
9. Rotating grazing in pasture.
10. Cutting legumes and grasses at proper time.
11. Curing hay properly.
12. Practicing approved insect and disease control methods.

IX. Grain

1. Leveling land.
2. Improving distribution system.
3. Spreading manure or commercial fertilizers.
4. Eradicating noxious weeds in fields and on ditch banks.
5. Planting tested varieties for locality.
6. Treating seed for disease.
7. Testing to determine fertilizer needs.
8. Preparing seed bed according to recommendations.
9. Maintaining a clean summer fallowed tract.
10. Planting seed according to recommendations.
11. Poisoning grasshoppers.
12. Irrigating according to desirable practices.
13. Marketing crop economically.

X. Farm Gardens.

1. Planning, planting and maintaining vegetable garden.
2. Storing vegetables and fruit.
3. Spraying shrubs for insects.
4. Keeping shrubs and trees attractively pruned.
5. Fertilizing a lawn according to best conditions.
6. Canning vegetables for home use.

XI. Farm Meat

1. Curing meat for family use.
2. Canning meat for home use.

4 21

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XI. Farm Meat

1. Curing meat for family use.
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VOCATIONAL AGRICULTURE

COURSE I----- -PRODUCTION

- Agromony-----1. Native crops
2. Cultivation and planting
3. Machinery
4. Time and method of harvesting
- Beef Production-----1. Common breeds and their conformation
2. Feeds and feeding
3. Slaughtering
- Swine Production-----1. Common breeds, types and conformation
2. Feeds and feeding
3. Slaughtering
- Poultry Production-----1. Common breeds, types and conformation
2. Feeds and feeding
3. Housing, common types and methods of incubation.

COURSE II-----FARM MECHANICS, OPERATION, MAINTENANCE

- Blacksmithing, care and maintenance of farm equipment -----
1. Blacksmithing, welding, maintenance and repair
2. General notes and equipment used
- Auto mechanics-----1. General mechanics and operation
2. General notes on tools used
- Tractor mechanics-----1. General mechanics and operation
2. General notes on tools, parts, operation, and lubrication
- Carpentry-----1. Operation of tools, making and building of farm equipment
2. General notes on work tools and power machinery
3. Building practice

Each student will keep a notebook covering the complete course. Grades will be determined on attendance, application to the work, interest and notebooks. Educational trips will be arranged covering various phases of the work. Trips will be governed on interest taken in the work, and how well necessary work is completed on our own farm. One credit will be given for each semester of work. Therefore, four units can be earned for the completion of the full two years course. It is possible to gain an extra credit for leadership. No credit will be given until the close of the year unless the student is relocating.

(Suggestion---Pay to be given only for Saturday and summer work)

Mr. Gifford
Wes

Voc. Agriculture
Oct 15th & Nov. 15th

1. The ag boys helped in the harvest of farm crops, potatoes (523 sets), cut raked and bunched beans, picked and hauled tomatoes to canery.
2. Helped with the vaccination of hogs at hog farm.
3. Transported fifteen head of hogs to farm feeding lots and one large sow to slaughter house.
4. The ag. boys repaired plumbing at voc. ag. hog lots.
5. Theory in voc. ag. the study and preparing of daily rations for brood sows.
6. The grinding of corn and alfalfa for daily feed rations for the brood sows at ag. feed lots.
7. Ag. job sheet on beef production and collecting daily stock markets of cattle hogs and sheep from Chicago, Kansas City, Omaha and Denver Markets.

Mr. Whiffle

Work Covered in Voc Ag. from
Sept. 15 to Oct. 15th - 19xx
(Sept 16 & 17)

1. The Amache Fair we won
the grand prize in the fruits
displays, first in alfalfa, kidney
beans, potatoes, second in corn
field, Hygiene (maize) and third
in bananas, a total of 7 seven
prizes and \$48.56 in cash.
2. Three units of study, Veg Product
Fruit products and Corn Products.
3. work projects of farm: drilled wheat
and alfalfa, plowed and disced
land for spring planting.
4. Organized the Ag. Club and we
had our club initiation of new
members (Friday 13th)
5. The Ag. boys spent Thursday after-
noon and evening (Oct. 8th) in Canaan
at the Community Sale, we spent
considerable time looking over display of

different kinds of livestock.

Gas 9

W.C. Agriculture
Sept. 5th to Sept 15th inc

1. The Ag. boys repaired hog farrowing house and filled in floor places with sand in hog lots.
2. The boys have taken turns in operating gang plow, plowing up alfalfa field
3. Transported & help vaccinate 24 pigs eight weeks old.
4. Gathered and selected various samples of crops for display in fair.
5. The boys in Ag are starting three projects on farms, some beef production and corn products

H. J. Griffith

Amache Fair Sept 16-17-44

The following are a list of prizes
won by the Woc. Ag. Dept:

Fruit Display	—	1st
Lima Beans	—	1st
Cotters-(Potatoes)	—	1st
alfalfa	—	1st
Sorghum (sorghum)	—	2nd
Field Corn (Hybrid No 827)	—	2nd
Tomatoes	—	3rd
<u>Livestock</u>		
Hampshire (Hogs)		1st

Woc. Ag. Supervisor - G. W. Griffith

Our Agriculture work
Sept. 15 to 30th pp 9

1. Prepared products for Amache fair, in which we won the grand prize for Ag. Unit. 1st in potatoes, Lima beans, Alfalfa, second in Maize, & Corn, third in tomatoes.
2. The boys are going in groups of three or four to the slaughter house, for training in killing & dressing beef and pork, later to take training in cutting up the different kinds of animals bodies.
3. Reorganization of Ag. Club
4. The three units in theory, beef, pork and corn production.
5. Tuesdays & Thursdays are set aside for special theory study.
6. Page 38 has been prepared for study with Ag. notes, bulletins, charts and pictures on Agriculture.