

A N N U A L
N A R R A T I V E R E P O R T

for

COCHISE COUNTY

ARIZONA

December 1st, 1933 to November 30th, 1934

S. W. Armstrong

County Agricultural Agent.

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INTRODUCTION

The actual Extension Work done by the Agent this year was a great deal less than has been done during the past few years. The reason for this was because of the large amount of regulation work that was placed on the Agent by the Federal Government. Nearly five months of the year was taken up with Government purchasing of cattle and other drought relief work.

The drought that has been in progress for the past year and a half has been partially broken. Fairly good feed is found in parts of the County but the water supply is very low. The coming winter will be quite severe on the cattle that are left on the ranges. The Government purchased about 12% of the cattle in the County and relieved conditions a great deal. More cattle will have to be shipped out of the County early next spring.

The poultrymen are making a little money this year even if feed prices are exceptionally high for the price of eggs has advanced accordingly.

The Farm Bureau organization in the County is in a stronger position than it was last year, having more members and getting more recognition for it's efforts.

The various Government financing agencies have relieved the financial troubles of a large percent of the farmers and higher prices for crops have given most of them a more cheerful outlook.

TWENTY YEAR HISTORY OF EXTENSION WORK

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COCHISE COUNTY

The first records of County Agent Work in Cochise County starts with Mr. C. E. Adamson on July 1, 1918. He was Agent until May 31, 1923. Previous to this time Extension Work had been done by a Mr. Paschal but no records are available in this County so it is presumed that Mr. Paschal worked out of the Central Office.

The first projects listed are , Pit Silo, Rodent Control, Livestock Improvement and Home Gardens. Seven carloads of pure bred hereford bulls were introduced by the Agent in 1919.

In 1920 seventy-five pure bred Duroc Jersey gilts and six boars were shipped in from Colorado. Nineteen cars of dairy cattle were shipped in also. A large number of Pit Silos were constructed.

In 1921 the Farm Bureau was organized and the State Legislature made the Farm Bureau the official body to carry on Extension Work. Nine hundred dairy cows were shipped in that year.

In 1922 two farmer's co-operative stores were established in Willcox. Prairie dog eradication was started in co-operation with the Biological Survey.

In 1923 the first dairy cattle Tuberculosis testing was done in the County. 2.8% infection was found.

The next Agent was Mr. C. A. Smith and he held the position from July 1, 1923 to December 31, 1926. In 1924 he introduced the Valencia onion.

In 1925 a campaign for better irrigation practices was started, also water supply studies developed. Prairie dog eradication was carried out on a large scale. A cotton gin was built and cotton acreage expanded.

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In 1926 water penetration studies and pumping plant testing was the major work.

The next Agent was Mr. S. W. Armstrong and he held the position from January 1, 1927 to the present time. In 1927 commercial vegetable growing was started. Modern pumping plants were installed and a series of pumping plant records were developed.

In 1928 cotton growing was discontinued. Shipping carload lots of cauliflower. Kangaroo rat eradication was started. Black alkali control started.

In 1929 grape growing was introduced into County. Western Cattle Grower's Ass'n organized. Modern poultry practices were introduced.

In 1930 cattle feeding for market started. Several large trench silos were built. Gas brooders were introduced.

In 1931 adult poultry Clubs were organized. Installed new pumping plants. Started Community Gardens for unemployed.

In 1932 tomato growing started on commercial scale. Introduced trench brooders. Grassed Bisbee Ball Park. Cleaned earthen tanks with dynamite.

In 1933 built two commercial tomato canneries. Started Farmer's Market in Douglas. Assisted organizing Hereford Breeder's Ass'n.

In 1934 purchased 12,837 cattle for Government Drought Relief spending \$172,915. Handled all seed and feed loans and acted as County Drought Director.

SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

Cochise County

December 1, 1933 to November 30, 1934.

Spent 196 days in the field and 98 days in the office.

Drove 16,666 miles to carry on Extension Work.

Made 538 farm visits and handled 2031 office calls to further Extension Work.

Held or was present at 97 meetings with an attendance of 1268 people present, to deal with various phases of Agricultural Extension Work.

Wrote 1077 letters to carry on Extension Work.

Carried 12 result demonstrations on tree fruits and held 12 method demonstrations on the project.

Three grape growing demonstrations were carried with two method demonstrations being held.

Two tomato canneries assisted to enlarge plants and pack more tomatoes.

Two Sheep-Farm Flock demonstrations carried during the year.

Spent 28 days on poultry project holding 10 meetings in regard to project.

Two good pumping records secured this year.

One gopher trapping demonstration given this year.

Held successful County Fair, bringing Fair out of debt.

Assisted Wilcox Woman's Club to hold Flower Show.

Treated 13 cows and 8 horses for various ailments.

Had charge of grassing the Bisbee Municipal Golf Course.

Spent 92 days on Emergency Drought Relief work,

Handled 72 seed and feed loans

Purchased 12,835 cattle from 287 cattlemen for a value of \$172,915.

Made a survey for a Rural Rehabilitation project.

Met with various service clubs of the County to further Extension Work.

COMPLETE PROJECT REPORT

Horticulture
Deciduous Fruits

Project No. 3

1934

A pruning campaign was conducted in the early spring and method demonstrations were held in the major fruit growing sections of the County. A total of fifteen result demonstrations on fruit trees and grapes have been carried through the year. A total of fifteen method demonstration meetings were held in regard to the project.

The Agent was called to the Huachuca Mts. to assist Mr. Miller, a new co-operator, plan how to renovate an old run down orchard. Work was started on the orchard this year.

Pruning demonstrations were held on the farms of Mr. Davis, Naegle, McPherson, Truelove, Scott, Huff, Miller, Holt, Gentner and the Double Adobe school.

Mr. Draper, Extension Specialist, held a series of grafting demonstrations in the County during the month of April. A Pecan Grafting Demonstration was held at the Sheldon Dowell home in Douglas. An apple budding demonstration was held

at the Busenbark home in Willcox. Mr. Draper gave an English walnut grafting demonstration at the John Thompson Ranch near Dos Cabezas. Mr. Thompson had some very large native walnut trees that he wanted top-worked to English walnuts. After the demonstration Mr. Thompson continued the work and worked over several large trees. Excellent results were enjoyed.

The Agent secured 200 strawberries of a new variety and distributed them to various farmers. These plants are resistant to rhizoctonia and are proving to be very good for this locality.

Beautification of Grounds

The Willcox High School board of trustees decided to improve the grounds of the High School while C. W. A. labor was available, so the Agent was called on to assist with the landscape plans. Mr. Wharton of the Horticultural Department of the University of Arizona was called in and made a survey of the grounds. He and Mr. Draper drew up a landscape map for the guidance of the workers. The plans have been partially carried out and will be finished next year.

The Agent assisted several homes with their beautification problems, giving instructions on what to plant and how to care for the grounds.

COMPLETE PROJECT REPORT

Vegetable Growing

Project No. 4

1934

Tomatoes

About the only tomatoes planted in Cochise County this year were the ones that were planted to supply the two canneries. The results of the two cannery projects are as follows: The Harbour cannery at Willcox finished the season with the following results. 780 cases of tomatoes were canned at a cost averaging about \$1.50 per case. About two-thirds of the pack was No. 2 cans and the balance divided about even between No. 1 picnic and No. 2½ cans. The present price is about \$2.25 per case for No. 2's so a profit of about 50¢ per case will be the results of the season. A carload of 1500 cases of cans was purchased at the beginning of the season but part of this car was turned over to the San Simon cannery. Mr. Harbour has about 200 cases of empty cans left on hand. Ten acres of tomatoes were planted but disease and unfavorable weather cut the yield very low. Ordinarily 10 acres

of tomatoes should yield at least 1500 cases of tomatoes.

The San Simon cannery, owned by Gallatin and Hollis Bros., packed a total of 1900 cases of tomatoes this year. Their average cost ran about \$1.45 per case, including all costs. A 15 acre field of tomatoes was planted and plans made to can about 3000 cases of tomatoes. Poor weather conditions cut the crop nearly in half. No. #2½ cans were packed at San Simon. A new power sealer and a new 60 horse boiler were installed in this cannery. Both of the above canneries were installed last year through the efforts of the County Agricultural Agent.

Through the efforts of the Agent the Bank of Willcox furnished the finances for both canneries. About \$6000.00 had to be supplied to the two canneries.

Cauliflower and Cabbage

About thirty acres of cabbage was planted this year and the Agent influenced all of the producers to treat their seed to prevent black rot. This is about the only disease that affects cabbage planted

in this County. The market has been good and all of the cabbage was sold for a profit. Several planters planted mustard as a trap crop to control the Harlequin bugs.

The cauliflower acreage was increased this year and the crop still promises to be one of the best for Cochise County.

Miscellaneous

Dr. Streets of the Plant Pathology Department of the University of Arizona spent two days in the County making a plant disease survey of all vegetable crops. He found most diseases to be a little more severe than usual. A long period of wet weather the last part of July aggravated the disease conditions.

Vegetable prices have averaged higher this year. The growers in the Bisbee-Douglas area got together and established prices at which they should all sell. Most of the producers have stayed fairly close to the established prices. The new Farmer's Market building at Douglas helped hold them together for a Market Master was hired to run the market.

COMPLETE PROJECT REPORT

Sheep - Farm Flocks

Project No. 5

1934

Two result demonstrations have been carried on farm flocks of sheep in 1934. Mr. E. C. Russell has been a co-operator for the past six years. He started the present year with nearly 400 sheep. This number was entirely too many for the pasture he had and the feed that was grown this year. About 80 head of ewes died and Mr. Russell sold all but 100 head of good young ewes. This cuts his flock to about the right number. The Agent influenced Mr. Russell to use Hampshire bucks on his Rambouillette ewes this year as he sells all of his lambs locally. The practice was a very good one and increased the price of his lambs about \$1.50 per head. Mr. Russell is using one Rambouillette buck and two Hampshire bucks this year. He is using the one Rambouillette buck for replacement purposes. No money was made this year, due to loss of sheep and purchase of feed to keep the balance alive.

Mr. Russell purchased a hammer mill and an old large automobile engine to grind feed to keep his sheep alive during the drought. The Agent assisted Mr. Russell to design the plant and get it in operation. It was entirely satisfactory.

Mr. M. W. McPherson had a flock of 40 Rambouillette ewes at the beginning of the present year. He has developed a good market for home butchered lambs. He sells them at the Farmer's Market in Douglas. Mr. McPherson did not lose any sheep from the drought but had to buy a large amount of feed to keep them alive. His flock also shows a loss of money this year even though the price of lambs was higher. He has good feed to start the coming year and should have a successful season.

COMPLETE PROJECT REPORT

Dairy Husbandry

Project No. 7

1934

The drought of 1933-34 cut the milk production of Cochise County to almost nothing. About the only work done this year on dairy cattle was to purchase drought stricken cattle and as a large portion of the Agent's time was spent on this work it is reported under a separate project.

The Agent was called on to treat fourteen sick cows this year. Eleven of the cases were Impaction of Rumens and easily cured. Two cases of pneumonia were successfully treated. One cow was found to have Hemorrhagic Septicemia and the animal died in three days. Improper feeding methods brought on by the drought were the cause of so many cases of Impaction.

COMPLETE PROJECT REPORT

Poultry Husbandry

Project No. 9

1934

Incubation and Brooding

Several trench brooders were installed this year. The Agent is not recommending any other type of brooder as the trench brooder has proven to be the most successful of any brooder. One producer lost 2.1% up to six weeks of age.

The campaign to purchase Pullorum free chicks from tested flocks has brought excellent results. Very few producers lost more than 10% up to six weeks of age.

Mr. Earl Solms has the only commercial hatchery in the County and the Agent and Specialist, Mr. Rowe, blood tested his flock for Pullorum. Very little B. N. D. was found in the white leghorns but his Rhode Island red flock averaged about 15% discarded birds.

Parasites and Disease

Disease and parasite control is a very important factor in Poultry production. The range paralysis

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problem is gradually getting more serious and this year is the first that any information has been available. Purchasing chicks from hatcheries where no paralysis was reported last year has helped out the mortality. Mr. Joe Downs has lost nearly 50% of his flock this year. No treatment is beneficial. Very little other disease has been found this year. Four cases of fowl typhoid was handled by the Agent.

Blue bugs have given some trouble and the Agent assisted a few poultrymen by teaching them the best methods of control.

The poultrymen have been educated in how to care for worms and no trouble has been reported.

Marketing

A Cochise County Poultry Producer's Ass'n. has been formed and Mr. Joe Downs was elected President. The Association caused the arrest of one merchant in Bisbee for mis-advertising storage eggs. The Agent has assisted with the plans of the Association and Mr. Rowe, Poultry Specialist, met with the Association one time. Mr. Hinds and Mr. Embleton assisted with the organization of the Association.

Miscellaneous Poultry

A killing and dressing demonstration was held at the Sulpher Springs Schoolhouse. Mr. Rowe, Poultry Specialist, gave the demonstration and followed it up with a de-boning demonstration. The Home Demonstration Agent arranged for the de-boning demonstration and the Agent took no credit for this meeting. This killing and dressing demonstration was held so the poultrymen in that district would market their fryers and old hens in better shape.

Turkeys

A turkey killing and dressing demonstration was held at the Stewart Schoolhouse on October 31, 1934. Mr. Rowe, Poultry Specialist, gave this demonstration and also told about the operations of the Arizona Turkey Grower's Ass'n. Several hundred birds will be marketed from this area this year and in the past a few producers have put their birds on the market in very poor shape.

COMPLETE PROJECT REPORT

Rural Engineering

Project No. 10

1934

This project is being carried to assist the farmers to lower the cost of producing irrigation water and increase yields by the proper use of irrigation water. The pumping records of Mr. E. C. Russell and Mr. R. R. Harbour are incorporated in this report. These two records are typical of the two types of pumping plants used in this County for irrigation purposes.

Pumping Record of Mr. E. C. Russell

1934

Nine years Record

Pumping Plant

15 H. P. Fauke engine
4 inch H. C. Swabe pump
Water level 28 feet. Total lift 39 feet
830 g. p. m. discharge

Crop Acreage

Crop	Acreage
Alfalfa	10 acres
Corn	4 "
Sudan	3 "
Barley	9 "
Cane Hay	9 "
Feterita	5 "
Garden and Orchard	3 "
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Total	43 "

Pumping Record
April to October Inc.

Month	Hours	Minutes
April	47	30
May	87	20
June	147	20
July	105	35
August	88	10
September	242	40
October	27	50
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Total	746	25

Cost of fuel including tops, lub. oil, gasoline & grease:

2400 gal. tops	\$154.88
25 gal. oil	6.42
10 gal. gasoline	2.00
Grease	1.00
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Total	\$164.30

Amount of water produced 115.07 acre feet
 Acre feet per acre average 2.67 a.f.p.a.
 Cost per acre for fuel & oil, etc. \$3.82

Acre feet per acre for crop:

Alfalfa	5.70	acre	feet	per	acre
Barley for fall pasture	0.90	"	"	"	"
Sudan	2.47	"	"	"	"
Corn	3.25	"	"	"	"
Cane Hay	1.32	"	"	"	"
Feterita	1.50	"	"	"	"
Garden and Orchard	3.31	"	"	"	"

Pumping Record of Mr. R. R. Harbour

1934

Nine years Record
(1932 record destroyed)

Pumping Plant

40 H. P. Fairbanks Morse engine
3 stage Byron Jackson No. 3 turbine pump set at 70 feet
1100 g.p.m. average discharge for season
70 feet total average lift for season

Crop Acreage

Crop	Acreage
Wheat	17 acres
Corn	9 "
Hegari	15 "
Cane Hay	9 "
New Alfalfa	19 "
Old Alfalfa	22 "
Tomatoes	10 "
Garden (including potatoes)	3 "
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Total	104 "

Pumping Record
March to September Inc.

Month	Hours	Minutes
March	64	05
April	248	15
May	259	05
June	371	50
July	223	25
August	109	35
September	178	20
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Total	1454	35

Cost of fuel including tops, oil, gas, grease & repairs:

5600 gal. tops	\$364.18
150 gal. oil	74.76
20 gal. gasoline	4.00
20 lbs. grease	2.00
Repairs	14.50
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Total	\$459.44

Amount of water produced	295.48 acre feet
Acre feet per acre	2.84 a.f.p.a.
Cost per acre	\$4.41
Cost per acre foot	\$1.55

Acre feet used by each crop per acre:

Old Alfalfa	5.0	acre feet per acre
New Alfalfa	4.90	" " " "
Wheat	0.97	" " " "
Corn	1.73	" " " "
Hegari	1.17	" " " "
Cane Hay	1.82	" " " "
Tomatoes	2.88	" " " "
Garden	3.00	" " " "

Irrigation Districts

The status of the Charleston Dam project has not changed. The U. S. Government is still studying the project and there is a possibility of the dam being built.

The Pomerene district has been using F. E. R. A. labor to reconstruct the canal and improve the diversion dam for their project.

COMPLETE PROJECT REPORT

Rodent Control

Project No. 11

1934

Very little work was done on this project during 1934 because the State Legislature failed to provide funds for the distribution of poison grain and strychnine. The work was carried on in co-operation with the Biological Survey and as their supply of poisons was exhausted by lack of funds, the work was discontinued.

The Agent assisted the Douglas Air Port officials in cleaning up the gophers on the Air Port. Two F. L. R. A. workers were instructed in the use of traps and one dozen Macabee traps were purchased by the Air Port. The two men cleaned up all of the gophers in about seven days.

A number of requests for help in controlling rodents were handled as office calls by the Agent.

COMPLETE PROJECT REPORT

Beef Cattle

Project No. 12 A & 12 B

1934

Practically no cattle feeding was done this year. Mr. Donald Scott fed about 100 head of cattle for the Valley Store of Willcox. These cattle were butchered at the rate of five a week so no record could be kept. All of the feed stuff that was raised last fall was sold to the cattlemen to keep their horses and cows alive during the drought. This feed brought a better price by selling it than would have resulted from feeding it to cattle for market.

The outbreak of cattle scabies that occurred last year in the northern end of the County was cleaned up and the Bureau of Animal Industry released the cattle and raised the quarantine about April 1, 1934. This made it possible to ship cattle to California from this area.

The largest part of the Beef Cattle work this year consisted of purchasing cattle for the Government under the Drought Relief. Three hundred and eighty-seven cattlemen were assisted under this project. A complete

report of this work will be found under Emergency
Drought Relief.

COMPLETE PROJECT REPORT

Fairs

Project No. 13

1934

County Fair

The Annual Cochise County Fair was held on October 12th and 13th, 1934. A two day free Fair was held in the new Farmer's Market building in Douglas. The Fair Grounds were occupied by a transient camp and were not available for Fair purposes. The new Farmer's Market was ready to be occupied in October so a joint County Fair and dedication of the building was held in the market building. Only the Domestic Science and Agricultural Departments were allowed, as room for the other departments was not available. The Board of Supervisors donated \$1000.00 for premium money. The Fair Ass'n. owed a balance of \$300.00 left from previous years at the time the Fair opened. This indebtedness was paid off and a balance of \$290.00 is left on hand in the treasury. The Board of Directors has been working for five years to get the Fair out of debt. The Agent has been on the Board of Directors during this period and has had charge of the exhibits

each year.

Other Fairs

The State Fair was not attended this year. No premiums were offered for Agricultural products this year so the Agent did not get an exhibit together for the State Fair. No Southern Arizona Fair was held this year. The only other Fair that was held in the County this year was the Willcox Flower Show. The Agent and Mr. Draper, the Horticultural Specialist for the Extension Service, assisted with this show. Mr. Draper judged the flowers and yards. Some canned fruits and vegetables were displayed and Miss Virmond, Home Demonstration Agent for the County, judged these articles.

COMPLETE PROJECT REPORT
Emergency Drought Relief
Project No. 14
1934

Cattle Purchasing Program

Cochise County was declared an emergency drought area in June. The Agent was appointed as the County Drought Director and plans were made to start purchasing drought stricken cattle as soon as possible. Four appraisers or committeemen were appointed to do the actual appraising of cattle. They were Mabry Lawson and B. B. Clayton of Willcox and Ira D. Glenn and Chesley Miller of Douglas.

Two veterinarians working for the D. A. I. were sent to the County to pass on the condemned cattle. The actual purchasing started on June 21, 1934. All of the veterinarians that were on the job at that time were called to Willcox to be present at the classing of the first herd of cattle. Mr. Harry Hooker was the first cattleman to take advantage of the program. Cochise County sold the first cattle in the Western division and received check No. 1 from the division.

No. 1
Check #1 for Western Division

The work was carried on rapidly until the rains started. Cattle were shipped from every shipping point in the County and the producers had to be put on a schedule for the cattle were listed faster than they could be shipped. The first listings were cleaned up on July 28th and a new list of cattle started. Very few cattle were shipped during the month of August for the cattlemen were hoping that the rainfall would be sufficient to carry the cattle through the winter. The rainfall was not sufficient and cattle shipments started again in September. The funds became short and each County was put on a budget. This County used the budget each week and when the program was brought to a close in October there were still about 4000 head of cattle that should have been shipped or killed. There is not enough feed and water on the ranges in this County to carry the cattle until next rainy season. If the Government purchasing is not started again next month a large number of cattle will die this winter. The cattlemen are too low in finances to put the cattle on feed in other sections of the country.

Practically no other Extension Work could be

done by the Agent while this program was being carried out for Cochise County is a very large County and the cattle shipments were scattered over a large area. The Agent traveled 8184 miles in five months to carry on this work. 12,835 cattle were purchased by the Government from 387 different cattlemen in the County. A total of \$172,915 was spent for cattle purchasing alone. Besides this expenditure four appraisers and two clerks were added to the regular force of workers. The following figures show the different classes of cattle purchased and the amounts paid for each:

Summary
Total No. Cattle Sold

<u>Cattle Two Yrs. & over</u>	No. Head	Amount
No. cattle condemned	1568	\$ 18,816
No. cattle sold for \$13.00 . .	236	3,068
No. " " " 14.00 . .	341	4,774
No. " " " 15.00 . .	541	8,115
No. " " " 16.00 . .	1068	17,088
No. " " " 17.00 . .	1284	21,828
No. " " " 18.00 . .	1228	22,104
No. " " " 19.00 . .	993	18,867
No. " " " 20.00 . .	1277	25,540
Total	3536	\$140,200

<u>Yearlings</u>	No. Head	Amount
No. yearlings condemned . . .	166	\$ 1,660
No. yrs. sold for \$11.00 . . .	107	1,177
No. " " " 12.00 . . .	221	2,652
No. " " " 13.00 . . .	334	4,342
No. " " " 14.00 . . .	216	3,024
No. " " " 15.00 . . .	95	1,425
Total	<u>1139</u>	<u>\$14,280</u>

<u>Calves</u>	No. Head	Amount
No. Calves condemned	964	\$ 4,856
No. calves sold for \$5.00 . . .	210	1,050
No. " " " 6.00 . . .	825	4,950
No. " " " 7.00 . . .	725	5,075
No. " " " 8.00 . . .	438	3,504
Total	<u>3162</u>	<u>\$18,435</u>

The state L. R. A. received a total of 738 head of the total number of cattle sold. 150 head of these cattle were delivered to the S. L. R. A. of Tucson, 200 were delivered to Phoenix, 120 were delivered to Willcox and the balance to Bisbee. The balance of the cattle were shipped to Tovrea packing plant or out of the state to other packing plants. A large number of cattle was shipped as far as National City, Illinois.

Seed and Feed Loans

The Agent handled fifty seed loans this year for the farmers of this County. The seed loans were closed in May. The Agent set up a temporary office at McNeal

for three days to handle the seed loans from the south end of the County. A recent report received on November 25th showed that Cochise County had the highest percent of seed loans paid back of any County in the state. The seed loan committee this year turned down a number of applications and anyone owing loans for the past two years were ~~all~~ automatically rejected.

The emergency feed loans were started when the County was declared an emergency drought County and about thirty feed loans were taken care of during the month of June and July. As soon as the rains started in August all feed loan applications soon stopped. The Agent set up a committee to take care of all the feed loans. The committee consisted of Mr. D. T. Milner, Banker; Mr. E. B. McAlab, Cattleman and Merchant; and Mr. R. R. Harbour, Farmer.



No. 2
Delivering the First Check for Arizona

AGRICULTURAL ECONOMICS

1934

A survey of the County was made by Dr. Burgess, Dean of the College of Agriculture, Prof. Schwalen, of the Irrigation Department at the University of Arizona and the Agent, to try to find a location for a subsistence homestead project. The only location that was at all feasible was found near the Double Adobe Schoolhouse. This area is twelve miles from Bisbee and thirteen miles from Douglas. It would be possible for the owner to work in either Bisbee or Douglas and live on this project. Good soil and irrigation water is available in the area. A report was turned in on the project and nothing further has developed.

The St. David Farm Bureau is still buying feed and selling produce for the farmers in that area.

The Farmer's Markets in Douglas and Bisbee are still operating and a new building has been erected by the C. W. A. for the market in Douglas.

Assistance has been given a number of farmers to help them secure Federal loans on their property.

MISCELLANEOUS
1934

Organization

The County Farm Bureau's place of meeting has been moved from Pearce to the Double Adobe. Four regular meetings were held this year. The officers for the year were: R. R. Harbour, President, Frank Davis, Vice-President, and Chas. Manus, Secretary-Treasurer.

The Annual Farm Bureau picnic was held in Cochise Stronghold on the 11th of June. Dr. Barr and Ian A. Briggs of the University of Arizona were present and gave talks.

The Double Adobe Farm Bureau Local has been enlarged to take in Whitewater and Webb. The membership has been about doubled and the meetings are alternated between the two communities.

The Farm Bureau Local at St. David is still active and is buying feed for it's members in car-load lots and handling the farmer's produce.

Programs of Work are being carried on with the Agricultural teachers in Benson, St. David and Willcox,

Conferences

The Agent attended the Annual Extension Service Conference at Tucson that was held the first week in January. The meetings were of great benefit for the various Government programs were explained at these meetings and numerous points were cleared up satisfactorily.

Care of Farm and Range Animals

More horses and cattle were treated this year for various ailments. A total of thirteen cows and eight horses and mules were taken care of and only one cow died.

Bisbee Municipal Golf Course

The Agent was called on to take charge of the laying out of the irrigation system and grassing of the Bisbee Municipal Golf Course. The course was built with C. W. A. funds and a total of \$67,000 was appropriated to complete the course. The work was started in February and was continued until November. The last grass was sown about the 5th of November. The Agent instructed the grounds keeper how to sow and take care of the course. The irrigation system

pumps about 220 gallons per minute and will water about one-half of a fairway at each set. The course will be ready to play on next April.

Miscellaneous

The Agent met with the Rotary Clubs of Willcox and Bisbee and the Kiwanis Clubs of Douglas and Bisbee to discuss various farming problems.

A large number of miscellaneous calls too varied to list were handled by the Agent during the past year.

THE OUTLOOK FOR 1935

The outlook for Agriculture in Cochise County for 1935 has a more favorable outlook than for the past several years. Prices are higher and a ready sale is available for most products.

The Federal Government has refinanced a large number of farms and in general the farmers will have money enough to make their crops with next year.

The drought has been partially broken but a shortage of stock water and a partial shortage of feed still exists. The government purchased about 12% of the cattle in the County and this should improve prices of beef next year.

The Extension Program should be easily carried out next year for farmers will have more confidence in farming.





