



# PINAL COUNTY, ARIZONA

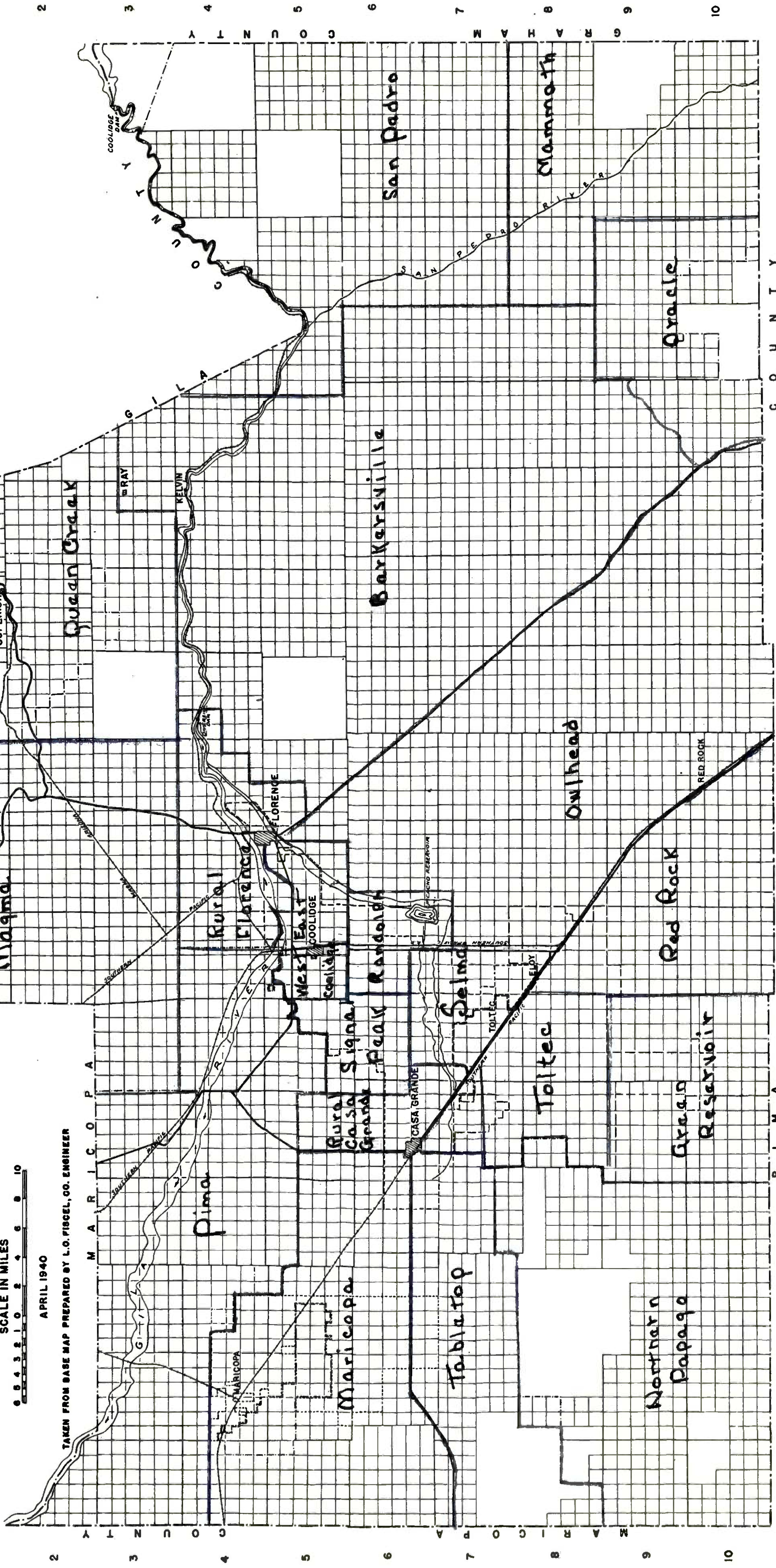
PREPARED BY  
ARIZONA AGRICULTURAL EXTENSION SERVICE

SCALE IN MILES  
0 1 2 3 4 5 6 7 8 9 10

APRIL 1940

TAKEN FROM BASE MAP PREPARED BY L.O. FISGEL, CO. ENGINEER

- IN. 15. 2 3 4 5 6 7 8 9 10
- LEGEND
- TOWNSHIP LINE
  - SECTION LINE
  - RESERVATION BOUNDARY
  - RAILROAD
  - CANAL
  - HIGHWAY
  - BDY. - ELECT. DIST. 2
  - BDY. - ELECT. DIST. 3
  - BDY. - ELECT. DIST. 4
- 16 17 18



Map showing division of County into communities for Neighborhood Leadership Plan.

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## 111. NARRATIVE SUMMARY

The work of the assistant county agricultural agent of Pinal County is divided into 4-H Club work and the general agricultural work, as well as the additional work added because of the present war conditions.

These programs include such things as the Farm Labor Program and Victory Food Production Programs. During the year, 180 days were spent in connection with the 4-H Club work of the county and 111 days were spent with the adult work of the county.

During the year, 195 days were spent in the office and 96 days were spent in the field. 324 different farm and home visits were made to 125 different homes and farms, while 180 telephone calls were made and 1101 office calls were made to see the assistant county agent. This year, 49 articles, by the assistant agent, were published in the local papers, while 600 bulletins were distributed to interested parties.

Enrollment for the school year 1942-1943 in 4-H Club work included 69 boys and 16 girls in the 9 different clubs that were organized. Completing work at the end of the school year were 63 boys and 16 girls, making a total completion of 79 out of 85 or 92% completion. There was a total of 151 projects started with a total of 128 of them being completed, showing an 85% project completion. There is a marked improvement here over that of last year. We started with less at the beginning of the year with a greater percentage of them completing. There were no R.E.A. Clubs in this county during the past year.

Projects carried this year included dairy, beef, cotton, victory garden, commercial gardening, swine, Handicraft and Home Beautification. Organized clubs were at the following schools: Casa Grande Colored, Sacaton, Florence, Kenilworth, McDowell, Kelvin, Vail, Oracle, and Hayden Junction. There were no clubs at the Picacho, Toltec and Walker Butte Schools.

A 4-H Club Council which is to coordinate and guide the activities of the county 4-H Clubs has been organized in this county. Members of the Council are to arrange fairs, prizes for exhibits, suggest leaders for clubs, suggest changes in program, recommend agricultural loans, and advertise 4-H Club work in their communities. This Council has arranged to have a small county fair for the clubs of the valley near the close of the school year. It is felt that a council of this type will be a great help in voicing the needs and desires of their own communities. It is their program and show now. Officers for the Pinal 4-H Club Council are: Ed Wildermuth, Chairman; John Burke, Vice-Chairman; Mrs. Frank Watson, Secretary; and Mrs. L. Hammer, Publicity Chairman.

### 111. NARRATIVE SUMMARY (Continued)

Seventy two days during the year were devoted to Crop Production and its related subjects. Sixty-eight days were devoted to Livestock Production; five days to Conservation of Natural Resources; 19 days to Farm Management; 4 days to General Economic Problems related to Agriculture; 58 days to Marketing and Distribution of Both Crops and Livestock; 25 days to Housing, Farmstead Improvement and Equipment; and 40 days to miscellaneous, which will include bees, Selective Service, War Board and Farm Labor Program, as well as numerous other emergency programs. Much time was spent this year that can be classified as a direct contribution to the War Effort.

One boy from Pinal County was named winner in the "Victory Garden Contest". Dean Holden from Mammoth, Arizona, who gardens with his father in the Aravaipa Canyon, received a \$25.00 War Bond for his activities in this contest.

#### IV. 4-H CLUB ORGANIZATION

##### 1. Methods Employed

The 4-H Clubs of Pinal County are all organized within the school system with the exception of one. The Casa Grande 4-H Leathercraft Club is lead by Dick Jones, and they meet at his home each Thursday evening. This is the only club not organized within the school system. This year we have the Pinal County 4-H Club Council which has as its purpose the coordination and direction of county 4-H Club work. They help in the organization of the work in many ways; first, they assist us in determining whether or not we should have a club in a particular place; second, they assist in the understanding and advertisement of club work to the parents and community and third, obtain backing of the community to reward the members for work completed.

The schools are visited soon after school starts in the fall, and where it is desired, 4-H Club work is started. The assistant agent attempts to have the enrollments completed and in the county office by the first of December each year. This gives those enrolled the required five months to carry their project and prepare for the closing of school in the spring. Club is organized at schools only where the leader is interested and willing to carry on according to regulations.

##### 2. Leaders

All leaders at the present time are school teachers with the exception of one. The Casa Grande Club is led by Dick Jones, a local boy who came up through the 4-H ranks as a club boy himself. It has been the desire of the assistant agent to obtain leaders from outside the schools, but as yet, it has been impossible to get anyone who has the time to devote to this work and who is also interested enough to do it. Until after the war, this plan will have to remain as a dream to materialize in the future. Training of the leaders, done in the past at training meetings, will have to be done by individual conferences because of transportation and rationing.

##### 3. Goals

The assistant agent desires that the enrollment increase from year to year, but at the same time quality will be stressed instead of quantity. The population of the small communities of the Eastern part of the county has been decreased because of the families moving into the war production areas. This has meant decreased 4-H activities to a great degree. It is our plan to continue club work in these areas as long as there is interested people there to carry on.

### 3. Goals (Continued)

Each person that enrolls in 4-H Club work in the county has to carry to completion one or more projects before he or she receives the Achievement Pin and Certificate. Five months is the minimum time required of each of the members. For the past two years each member has been asked to carry along with his regular project at least one more project which could be classified as a contribution to the war effort. This usually included a garden project, poultry project, scrap metal collections, cotton picking contests and many such things that can be classed as extra war work.

It is our desire to visit all of the best projects each year and give instructions as they are needed.

Judging tours are out for a while because of rationing and the fact that there is no state contest to attend.

Planned for this year is a small Valley 4-H Club Fair to be held in or near Coolidge. This development comes from the newly formed Pinal County 4-H Club Council. Also on the roster is a small carrot show to be held in about three months, at which time they will be exhibiting carrots grown from the seeds furnished by the county office. This is considered as an extra project for all members.

### 4. Results

Enrolled in club work this year were thirty-two first year boys and fourteen first year girls; seventeen second year boys and 1 second year girl; nine third year boys and 1 third year girl; six fourth year boys; two fifth year boys and three sixth year boys. This makes a total of 85 members in projects classified as boys' 4-H Club work. The older boys with five and six years' 4-H club experience have dropped out of the picture with the exception of one. Dick Jones, leader of the Casa Grande 4-H Club is the only one left. The army has taken two of them, and two of them have moved to Maricopa County. It is felt that there is a definite advancement in the quality of work done.

## V. PROJECTS

### A. 4-H Club Work

#### 1. Home Victory Gardens

Home victory gardens were stressed as one of those extra jobs. Every boy and girl enrolling for club work was asked and encouraged to plant and cultivate a victory garden so that fresh vegetables would be in the daily diet without draining the commercial supplies which should go to the armed forces and the concentrated war production areas. Victory gardens were planted every where that it was at all possible to have them. In some of the mining communities where there was nothing but a domestic water supply, it was impossible to have gardens. Statistics show that there were 62 gardens in the county, and we had a total of 77 members completing to the satisfaction of all those concerned.

#### 2. Poultry

Poultry projects have been encouraged to a great extent this year as a possible meat and egg supply for the home. During the past year there were 26 club members having as their project some type of poultry. There were no awards for outstanding poultry club members this year, therefore, none were named.

#### 3. Livestock (Beef, Dairy, & Swine)

There were a total of 16 boys enrolled this past year in Livestock Projects with a total of 14 of them completing.

During the month of April, two Pinal County boys, Earl Watson and David White, took their beef animals to Tucson to take part in the "Tucson Market Day". At this show, one animal placed second, while the other one placed fourth. Earl Watson won the showmanship contest which was for all those boys having beef calves there. This is the second year that Pinal County boys have taken part in the Tucson show, and they have done very well for themselves. The two animals shown this year were purchased from Mr. Stephen L. Bixby of Globe, Arizona. Two trips were made to the ranch by the assistant agent and the two boys in an effort to secure good animals. Incidentally a picture taken while one of these animals was being vaccinated was judged first place in a National Photo Contest. A small livestock show was held at the McDowell School, and every member enrolled participated.

#### 4. Handicraft

Handicraft clubs were organized in the small schools in the Eastern part of the county as well as one or two in the valley schools. In the valley schools, it was an extra project.

#### 4. Handicraft (Continued)

The McDowell 4-H Club sold enough snap material to equip a very nice shop with saws, planes, chisels, hammers, and many other shop tools. The Florence Grammar School carved model planes for the Army Department. This was in addition to their regular project.

#### 5. Leadership

Of the five leadership clubs organized last year, we have one member left. Two of the members went to the armed services; two of them moved to Maricopa County; and we have one left who at the present time is leading a leathercraft club here in Casa Grande.

### B. Agricultural Work

#### 1. Seed Improvement

During the fall months of each year and continuing into the winter, much time is spent inspecting cotton gins in preparation for ginning SxP Cotton under the Arizona Pure Seed Program. Much seed saved this past year was not sold, which will mean a reduction in seed saved this next year. This pure seed is cleaned and tagged giving its classification. The farmers that are interested in the production of pure seed make application for such to the county agent. The seed is planted, and when it becomes mature enough, possibly in June or July, it is rogued by specialists from Tucson and the Sacaton Experiment Station, as well as the county agent. If this planting meets all of the qualifications set up by the association, it is then picked, ginned and sold as a superior seed to sell at a premium.

Sorghum pure seed plantings are inspected for purity when the grain is in the advance stages of maturity. If it passes the inspection, the combines are checked before threshing is started to see that it is free from foreign seed. Most of this work comes in the late summer and fall months.

#### 2. Plant Disease and Insect Control

Insect control work for Pinal County is largely a summer project. Cotton insects have to be checked from about the middle of June to shortly after the first of September. This past year we had a fairly heavy infestation of all of the cotton insects; namely, lygus, western cotton plant bug and the stink bugs. The fact that there was much stub cotton this year made the insects reach the danger point a bit sooner than they have in the past. There was much dusting done with tractor machines doing most of it. A small acreage was dusted by plane near Eloy. In addition to the sulphur-Paris green dust they used a new and cheaper dust made of calcium arsiniate and arsinite plus the sulphur. It is estimated that at least 150 farms were visited and insect counts made.

## 2. Plant Disease and Insect Control (Continued)

The assistant agent had regular fields of cotton throughout the valley that were visited each week, and the result of the counts reported to Dr. J. N. Roney of Phoenix, so that he might include them in his weekly insect report.

Because of the increase in number of victory gardens, there was also an increase in pest populations. The main garden problem was the green tomato worm. In most cases this worm was just pulled off and smashed. In larger gardens where this would have been impractical, calcium poison was used.

## 3. Rodent Control

Mr. Ike Rogers of the Fish and Wildlife Service spent three weeks during April assisting the assistant county agricultural agent set up demonstrations to show the farmers how to get results by using arsenic powder on chapped alfalfa to poison jack rabbits. A total of 600 acres was personally poisoned by the assistant agent in an effort to impress its importance to the farmers. There were well over 1200 rabbits killed and counted on the 600 acres of demonstration plots. The number of rabbits killed by individual farmers as a result of these demonstrations would run into several thousands.

## C. Miscellaneous

### 1. Home and Farm Accident Prevention

In cooperation with the College of Agriculture, the Extension Service of this county is mailing out check sheets to the entire mailing list in an effort to reduce farm and home accidents. (Green Cross Campaign).

### 2. Victory Meat and Garden Program

The victory meat and garden programs have been stressed at all times, and the farmers have been encouraged to raise just a little more of their home requirements. Most of the work along this line has been done with the 4-H Club boys and girls. Thought is now being given to a new "Food For Freedom Program" to be launched for the coming year.

### 3. Farm Labor Program

The assistant agent assisted in the setting up of the farm labor program of Pinal County. Before the labor office was established many laborers requiring placement were assigned to work in places where there was a request for help. Help has been given to the agent and the Labor Office Manager whenever it has been needed in the execution of the Farm Labor Program.

## VI. PLAN OF WORK FOR 1944

### A. 4-H Club Program

- December → Visit 4-H Clubs and complete enrollments for school year 1943-44.
- January - Club visits to push project record keeping.
- February → Project visits to inspect gardens.
- March - Plans for school and valley garden shows - Prepare spring gardens.
- April - 4-H Fairs - Garden & Achievement.
- May - Close 4-H Club work - Records sent in.
- June → Start summer clubs if there is to be any.
- July - Visit 4-H Clubs
- August - Close summer clubs.
- September → Prepare for opening of schools and starting of clubs.
- October - Organize clubs
- November - Club and project visits

### B. General Agricultural Work

- December, January, February → Pure Seed (Cotton & Sorghum) & Labor
- March, April, May - Dairy, Land Leveling, Rodent Control, Spring Gardens
- June, July, August - Rodents, Pure Seed, Insects, Land Leveling, Irrigation
- September, October, November - Insect control, Pure Seed, Fall Gardens

VII. STATEMENT CONCERNING THE WORK OF THE ASSISTANT  
COUNTY AGRICULTURAL AGENT.

The work of the Assistant County Agricultural Agent of Pinal County is primarily the organization and carrying out of a complete program in 4-H club work. 4-H club work in Pinal County is confined to the elementary schools at the present time. In the past one club has been organized for those interested from the Casa Grande High School but now we have no club there. In all cases except two the school teachers are used as club leaders. At the Oracle school we are fortunate in having a retired doctor to act as the 4-H club leader and in CasaGrande we have Richard Jones an outstanding 4-H club member as the leader.

Organization of 4-H club work is completed by the first of December of each year. At this time the members have selected and started their project.

4-H clubs are organized for rural children between the ages of ten and twenty-one. The minimum number for a standard club is five members and they have to carry their projects to completion and include at least five months records. It is suggested that all members of a club be interested in the same project but it is impossible to have that setup here in Pinal County.

There was no county fair this year but we held several small school fairs. This was to cut down on the

VII. Contd.

transportation. The Pinal County 4-H Club Council has one planned for the coming year to be held in Coolidge.

Victory gardens and scrap collections have been stressed in detail by the Assistant Agent to all groups contacted.

This year the assistant agent has done much work in the advancement of the pure seed program and the Farm labor program of the county. An extensive Farm Accident prevention campaign has been started in cooperation with the Home Demonstration Agent but will not be terminated for the duration.

The assistant agent has had an active part in the community activities such as being Cub Scout Master, taking part in three plays and helping as much as possible to provide entertainment for the children of Casa Grande.



BOYS AND THEIR LEADER FROM THE MCDOWELL  
4-H CLUB TAKE TIME OUT FOR A BITE

LOCAL 4-H LIVESTOCK SHOW AT MC DOWELL



BOYS OF MCDOWELL 4-H CLUB  
GETTING INSTRUCTIONS ON HOW  
TO JUDGE DAIRY CATTLE FROM  
LONNIE VAN SANT LOCAL DAIRY\*  
MAN.



BOYS GIVING REASONS FOR THEIR  
PLACINGS IN THE DAIRY JUDGING.

RABBIT POISONING DEMONSTRATION  
PINAL COUNTY



WEIGHING OUT THE ALFALFA  
THAT IS TO BE MIXED WITH  
THE POISON.



MIXING CHOPPED ALFALFA WITH  
POWDERD RABBIT POISON.

THESE PICTURES TAKEN ON THE FAUL FARM  
AT COOLIDGE, ARIZONA

RABBIT POISONING DEMONSTRATION  
PINAL COUNTY



DEAD RABBITS PILED UP AT  
THE SHERRILL FARM - FIVE  
MILES EAST OF CASA GRANDE

IT IS ESTIMATED THAT 3,000  
RABBITS WERE KILLED AT PLACES  
WHERE DEMONSTRATIONS WERE  
HELD. (FIVE FARMS)

DEAD RABBITS PILED UP  
AT FAUL FARM

