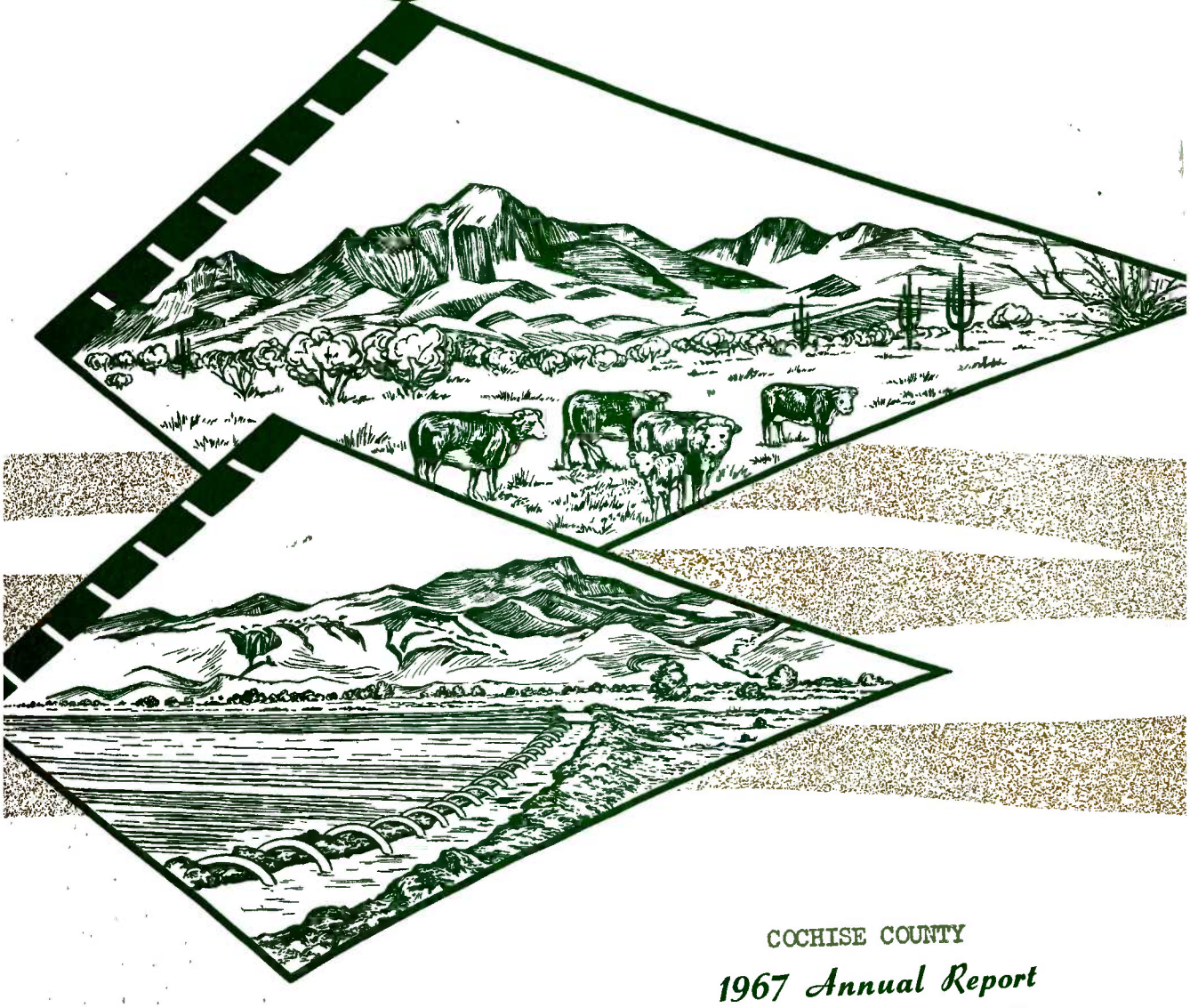
Partners in Progress



COCHISE COUNTY

1967 Annual Report

Cooperative Extension Service

The University of Arizona

A N N U A L

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

for

COCHISE COUNTY

January 1, 1967

to

December 31, 1967

Carmy G. Page, Agricultural Agent In Charge

Mildred S. Marrs, Home Economist

Daniel D. Gerhart, Agricultural Agent

Frances M. Romanoski, Ass't. Home Economist

Cooperative Extension Work
In
Agriculture and Home Economics
State of Arizona
112 E. Maley St.
Willcox 85643

The University of Arizona
College of Agriculture
U. S. Department of Agriculture
And Cochise County Cooperating

Agricultural Extension Service
Agriculture
Home Economics
4-H Club

Dear Friend:

It's a pleasure to share with you our "Partners in Progress" report for 1967. We hope you will find time to read it and become better acquainted with the many Extension activities that have been part of our program the past year.

You may have been involved as a partner in helping plan and carry out some of these Extension activities. We are very grateful for this participation because personal interest and voluntary cooperation are essential to meaningful Extension programs.

In order that the Extension Service can justify your continued support and program participation, we hope you will share with us any suggestions or recommendations for the continued improvement of the Extension programs in the county.

It has been a pleasure to serve the people of Cochise County this past year.

Sincerely,

Carmy G. Page — County Agent in Charge

Mildred S. Myers — Home Economist

Don Bekart — Agricultural Agent

Frances M. Romanoske — Assistant Home Economist

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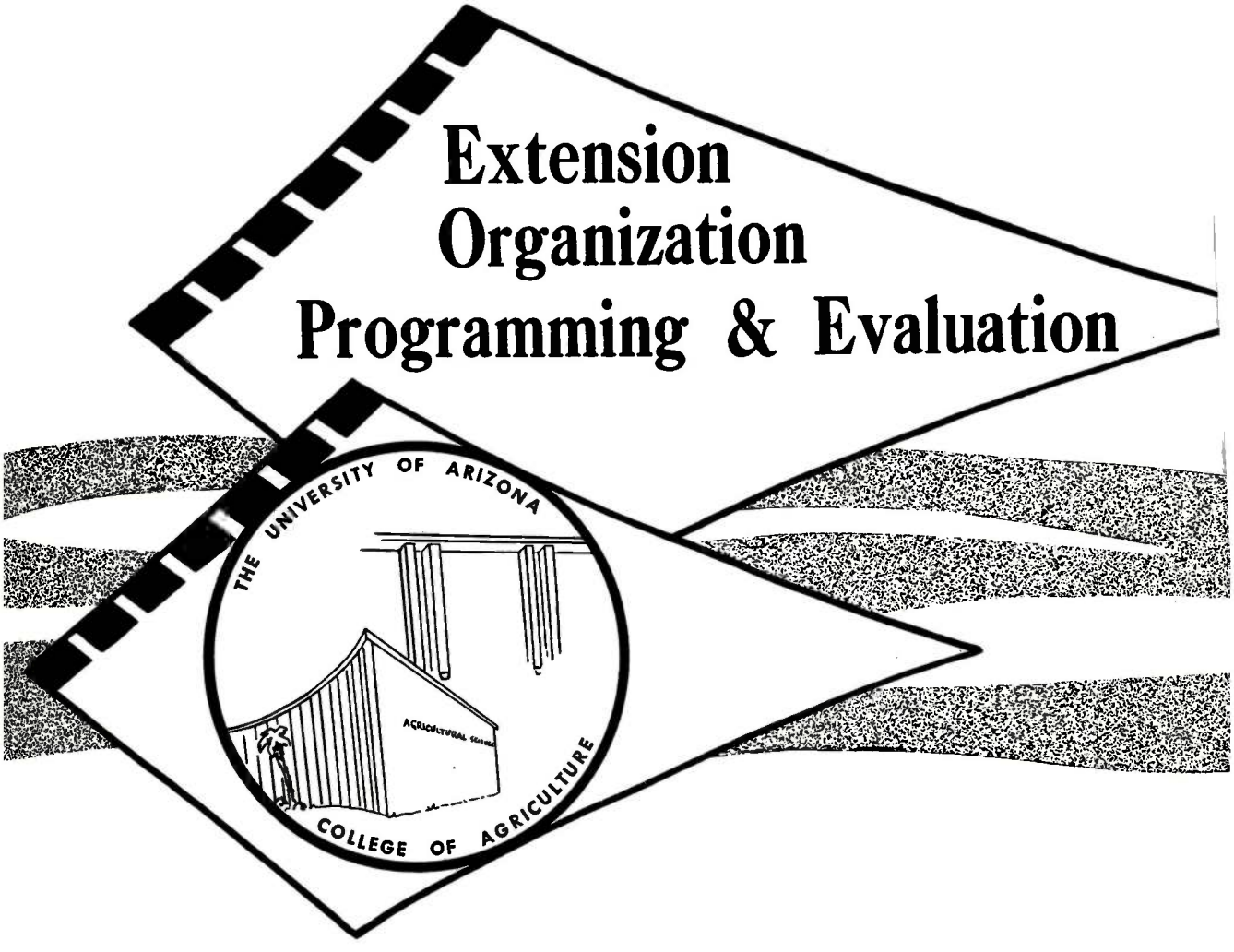
Extension Organization Programming & Evaluation



The Director of the Cooperative Extension Service . . .

--Strives to administer the Extension Service in the most efficient and effective manner possible to ensure that its educational capabilities continue to be readily available to local groups in assisting them to search out and work on pockets of opportunity for raising individual, family, and community well being.

I. EXTENSION ORGANIZATION, PROGRAMMING AND EVALUATION

A. COUNTY STAFF, THEIR PRIMARY AREAS OF RESPONSIBILITY AND MAJOR EDUCATIONAL PROJECTS OR ACTIVITIES CONDUCTED IN 1967

Staff Member, Title, and Primary Area of Responsibility	Major Educational Projects or Activities Conducted in 1967	Annual Report Details Page Reference
Carmy G. Page Agricultural Agent In Charge --Overall responsibility for the county program and all subject matter with adult program.	*Cotton Grower Letters	11
	*Letters on Small Grain Production	11
	*Wheat and Variety Trials	16
	*Small Grain Field Day	16
	Pink Bollworm	18
	Sugar Beets	18
	Fruit Growers School	20
	*Vegetable Field Trials	21
	Dairy Herd Improvement Association	22
	*Meetings on Cotton Micronaire	23
	*Beef Cattle Production and Marketing Schools	23
	Landscaping	63
	Mosquito Control	63-64
Mildred S. Marrs Extension Home Economist -- Overall responsibility for Family Living (Home Economics) program, all subject matter in Adult Education Program.	*Homemakers Executive Council to work on increasing membership in clubs	24-25
	*Homemakers Council will feature business, educational program	25
	*Program Planning for Foods and Nutrition Area Work shops	37
	*Leader Training, "Furniture Selection"	29
	*Special Interest, "Drapery Construction"	29
	*Sewing Techniques	36
	Sewing Machine Clinic	36
	*News Column	38

Staff Member, Title and Responsibilities	Major Educational Projects and Activities	Program Plan Page Reference
Daniel D. Gerhart County Agricultural Agent -- Overall responsibility for County 4-H Program and agricultural subject matter pertaining to 4-H Club Work	Organization	42
	*County 4-H Workshops	42-49
	*County 4-H Activity Day	44
	*4-H Camp Program	51
	*Youth Conservation Camp	51
	Other Youth	51
	*4-H Newsletter	52
	4-H Roundup	52
	*4-H Information	52
	CURE Program	54
Frances M. Romanoski Assistant Extension Home Economist -- Major responsibility for home economics subject matter with 4-H clubs and work with 4-H Junior Leader Council	*Working with yeast breads (adult program)	39
	Title I - Foods & Nutrition Program	39
	*National 4-H Club Activities	48
	*Leader Training in 4-H Foods	50
	*Home Management-Home Furnishing - Child Care	50

B. Staff Changes During The Year

Daniel D. Gerhart, Agricultural Agent, transferred to Santa Cruz County, October 1, 1967, as Agricultural Agent In Charge.

C. How The Extension Program Is Developed

The program is based on expressed needs and interests of the people in the county. The County Agricultural Extension Board has the responsibility for reviewing annual reports, plans of work and recommending the county portion of the budget to the County Board of Supervisors.

The County Homemakers Council, 4-H Club Leader Council, 4-H Junior Leader Club, Cochise County Farm Bureau, Citizens Committees in Bisbee, Douglas, and Willcox, Cochise-Graham Cattle Growers Association, Cochise County Dairy Herd Improvement Association, and Cochise County Poultry Breeders Association have, as in previous years, been of importance in representing the desires of their respective groups in the content of the program. Requests by individuals also play a part in determining the program. This, however, is of minor importance as compared to the influence of groups.

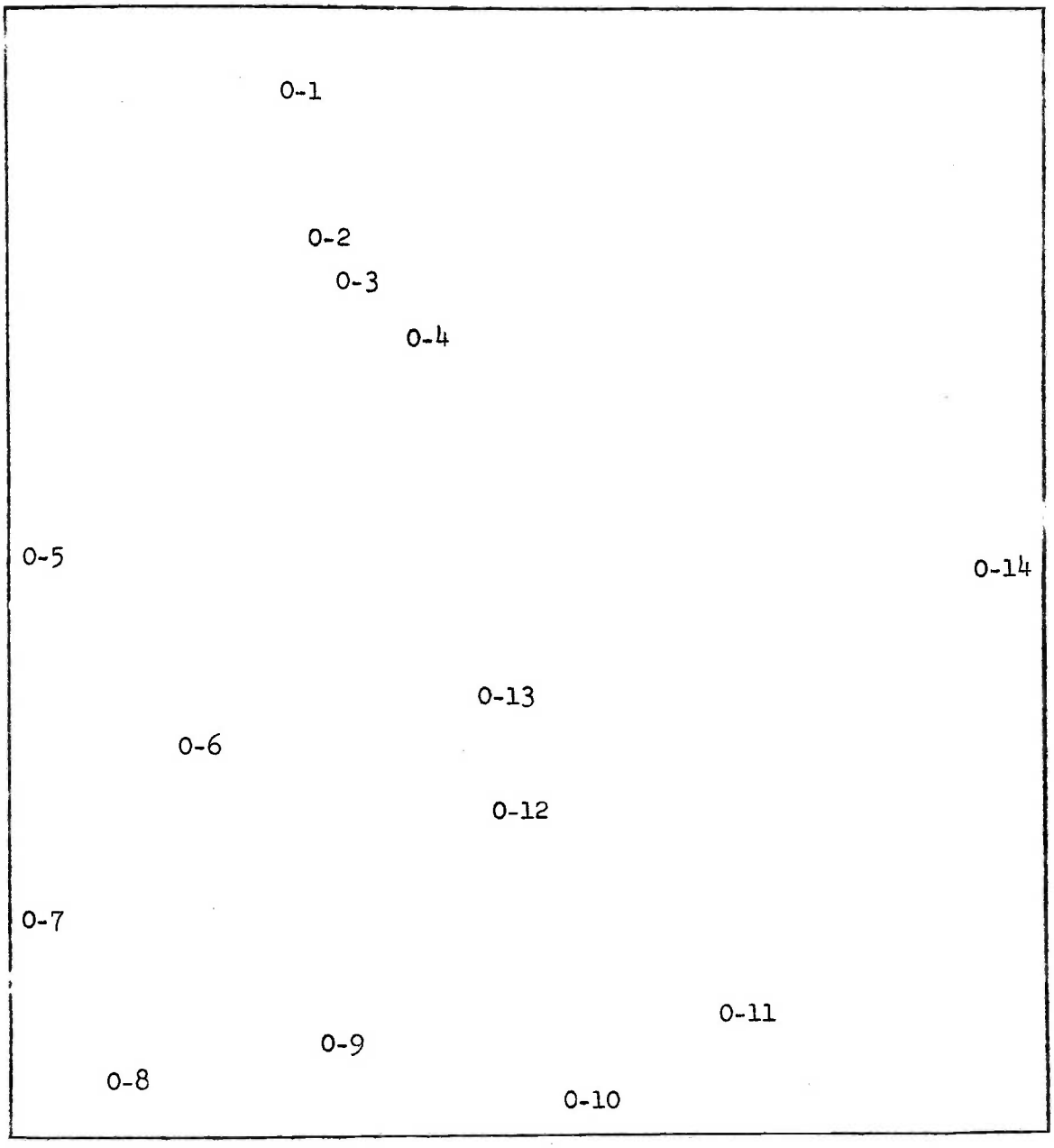
D. Advisory Groups - Their Purpose and Membership

Cochise County Agricultural Extension Board Members, terms of office, and groups represented by each are:

Chairman, Donald Burnett, Elfrida	- Term 1 year -	Cochise-Graham Cattle Growers
Joe Clinton, Hereford	- " " " -	Cochise-Graham Cattle Growers
Mrs. P. W. Brown, Willcox	- " " " -	County Homemakers Council
Lewis Grizzle, Elfrida	- " " " -	Cochise Co. Farmers Ass'n.
Marshall Barnes, San Simon	- Term 2 years	
Gail Price, Elfrida	- " " " -	Cochise County 4-H Club Leaders Council
L. D. Small, Cochise	- " " " -	Member at Large

MAP OF COCHISE COUNTY

SHOWING ORGANIZATIONS AFFILIATED WITH HOMEMAKERS COUNCIL



1. Stewart Homemakers
2. Willcox "
3. Sulphur Springs "
4. Rancherettes "
5. Apache "
6. Tombstone "
7. Sierra Vista "
8. San Pedro Homemakers
9. San Jose "
10. Westside "
11. Silver Creek "
12. Double Adobe "
13. Webb Mothers "
14. Sew What? "

Cochise County Homemaker Council

The planning committee for home economics work in Cochise County is called Cochise County Council of Homemakers. Each homemaker club is represented by two council members, president and secretary. Cooperating groups in the county are entitled to representatives to the County Executive Council. This is called the Executive Board and is charged with plans for and business of conducting the program for all Cochise County homemakers. The Homemakers Council is made up of all homemaker club members and decides on such matters as final county program as proposed by the Executive Board, County Council officers, etc., as outlined in the Cochise County By-laws. Special subject matter committees are appointed in Clothing, Home Management-Home Furnishings, and Foods and Nutrition to evaluate past programs, survey future needs and make recommendations for a 2-3 year long-term program. This is a long-time program planning method with priorities suggested and designed to help with current problems and to give depth to subject matter taught in the county.

The Home Economists act in a professional advisory capacity, enlisting the help and suggestions of the subject matter specialists to develop a continuing program for organized groups, individuals, 4-H Home Economics work, special interest groups and mass media information.

Cochise County 4-H Club Council

Cochise County has an adult 4-H Leader Council whose purpose is to assist the County Extension Agents in the development and conduct of the 4-H Club Work in Cochise County.

The Adult 4-H Leader Council organization governing body is made up of their officers: Chairman, Vice-Chairman, Secretary-Treasurer. There are also three functioning committees in the Leader Council organization. They are: Livestock, Home Economics and Citizenship. Council officers for the year were:

Chairman - Gail Price
Vice Chairman - Larry Beck
Secretary-Treasurer - Roy Holland

4-H Junior Leader Club

The purpose of the 4-H Junior Leader Club is to aid in the self-development of older 4-H Club Members. Membership is made up of any 4-H club member who has completed two years of 4-H club work and who is 14 years old by January 1st of each year.

E. Assistance of Individuals, Groups, Organizations and Agencies

Cooperators on field tests and demonstrations make a major contribution toward the success of the agricultural program. Cooperators in 1967 including some with field tests that continue from previous years were: Bill Hilburn, Bowie - cotton varieties and cotton quality relating to date of harvest; Kenneth D. McDaniel, McNeal - chili fertilizer trial; Pioneer Farms, Willcox - corn insect control; Charles Kimzey, Willcox - wheat varieties; John Kimzey, Willcox - barley varieties; Game Management Division, Ft. Huachuca - improving habitat for game birds (one on seed crops the other an alfalfa test); Floyd Robbs, Willcox - Summer planting for winter harvest of potatoes; Phelps Dodge Experimental Area, Hereford - irrigated pasture, barley, wheat, soybean, grain sorghum, cotton, safflower and crambe variety tests; R. F. Burnett and Sons, Elfrida - performance testing beef cattle.

Newspaper editors and program directors of broadcasting stations in the county have been cooperative throughout the year in publicizing the extension program. Timely agricultural and homemaking information has been published throughout the year. Valuable aid has been received from representatives of the press in taking pictures and writing stories of special events.

Many organizations in practically every field of business are ready and willing to assist with the 4-H club program. Feed companies, machinery dealers, fuel distributors, and other commercial interests dealing with agriculture give continuing support. This is of special help in sponsoring awards as well as publicizing the program. Merchants in the various communities assist by supporting 4-H livestock sales and purchasing trophies. They also donate window space for displays to create awareness of the 4-H club activities and special programs. A major contribution of machinery dealers is providing equipment for use at 4-H Tractor Field Days.

COCHISE COUNTY INDIVIDUALS AND ORGANIZATIONS PROVIDING LIVESTOCK AND FACILITIES FOR CONDUCTING 4-H FIELD DAYS ARE LISTED ON THE CHART BELC

	COUNTY EVENT	PLACE	ORGANIZATION AND INDIVIDUALS INVOLVED
1.	Judging Workshop	McNeal	McNeal Community Center
2.	Recreation Workshop	Sunsites	Arizona Sunsites Community Building
3.	4-H Leader Council Mtg.	Willcox	Willcox Veteran's Club
4.	Livestock Activity Day	Pearce & Elfrida	Grandview Farms & R. F. Burnett & Sons Ranch
5.	Four 4-H Favorite Foods Shows	McNeal, Willcox Benson & Sierra Vista	Sulphur Springs Valley Electric Cooperative Districts
6.	Poultry Activity Day	St. David	Gary Sandve Poultry Ranch
7.	Horse Activity Day	McNeal	Bill Cowan Ranch
8.	Demonstration Workshop	Elfrida	Valley Union High School
9.	4-H Leader Council Mtg.	Pearce	Larry Beck Residence
10.	Two 4-H Tractor Rodeos	Kansas Settlement Douglas	Max Green, Cal Jones, Farm Equipment Center, International Harvester Sales, White Chemical Co., & Cochise County Fair Association.
11.	4-H Automotive Rodeo	Douglas	Don Burnett, Roy Holland Firestone Rubber Company, Cochise County Sheriff's Office, Douglas Police Department, and Arizona Highway Patrol.
12.	County 4-H Demonstration Program	McNeal	McNeal Community Center, Sulphur Springs Valley Electric Cooperative.
13.	4-H Home Economics Activity Day	Sunsites	Sunsites Community Bldg.
14.	4-H Agriculture Activity Day	Elfrida	Valley Union High School
15.	4-H Beef Demonstration Day	Willcox	Cochise County Cowbelles Willcox Woman's Club

COUNTY EVENT	PLACE	ORGANIZATION AND INDIVIDUALS INVOLVED
16. Share the Fun and Public Speaking Activity	Tombstone	Tombstone High School
17. 4-H Leader Council Mtg.	Douglas	Mr. & Mrs. L. H. James
18. 4-H Camp	Pine Canyon	Methodist Church, Graham & Santa Cruz Counties Cooperating
19. 4-H Dress Revue	Tombstone	Schieffelin Hall
20. Poultry Processing Workshop	Cochise	Mr. & Mrs. John Payne
21. 4-H Leader Council Mtg.	Benson	Benson High School Mr. & Mrs. Joe Bidegain
22. 4-H Leader Council Mtg.	Double Adobe	Double Adobe School Mr. & Mrs. Kenneth McDaniel.
23. 4-H Leader Council Mtg.	Dos Cabezas	Mr. & Mrs. Roy Holland
24. Livestock Fitting & Showing Day	Benson Hereford	Arizona Junior Hereford Association Ladd Harlan Ranch Mr. & Mrs. Acel East

4-H Club leaders as a group provide the base for support of the entire 4-H Club program. The contribution of time and effort in their role as leaders plus parent support is the major determing factor in the success of the program.

Project leaders are a boost to the homemaker program. The homemaker program depends upon interested, well trained leaders to carry information gained in training meetings to the club members. Cochise County project leaders realize their importance and actively support this method of teaching. A few leaders have developed to the point of actually teaching a class or workshop for neighbors and friends.

G. J. Musselmann, President, Cochise County Farm Bureau, requested assistance of the Cooperative Extension Service in supplying programs for part of their monthly meetings. Walter Zum Mallen was appointed chairman of the program planning committee. Programs requiring Extension Specialists as speakers included the following topics: Farmers Income Tax, sugar beet production, sprinkler irrigation, chemical weed control, and insect control including residue problems, and revaluation and assessment standards effecting farmers and ranchers. 4-H club and FFA members alternated with parts on the programs each month.

State and Federal Government agency assistance with the County Extension Program is difficult to fully define. This would be equally true in pointing out cooperation of the Extension Service with other agencies in Cochise County. Relationships have been excellent and the assistance of agencies may perhaps best be stated as heads of the organizations working together with each filling the major responsibility of his office.

The information and education job has been more effective relative to USDA agencies through the cooperation and understanding gained in meetings with the USDA Technical Action Panel and the USDA Defense Board. Although the agent is not a member of the Technical Action Panel, he serves as a participant. He has been invited to and participated in the meetings. When the Agent In Charge cannot attend other staff members represent the Extension Service Office.

Other agencies worked with during the year were the USDA Statistical Reporting Service, Arizona State Land Department, Arizona Commission of Agriculture and Horticulture, Fish and Wildlife Service, Agricultural Research Service-Animal Disease Control Branch, and Plant Pest Control, USDA Agricultural Research workers in other fields and the U. S. Geological Survey.

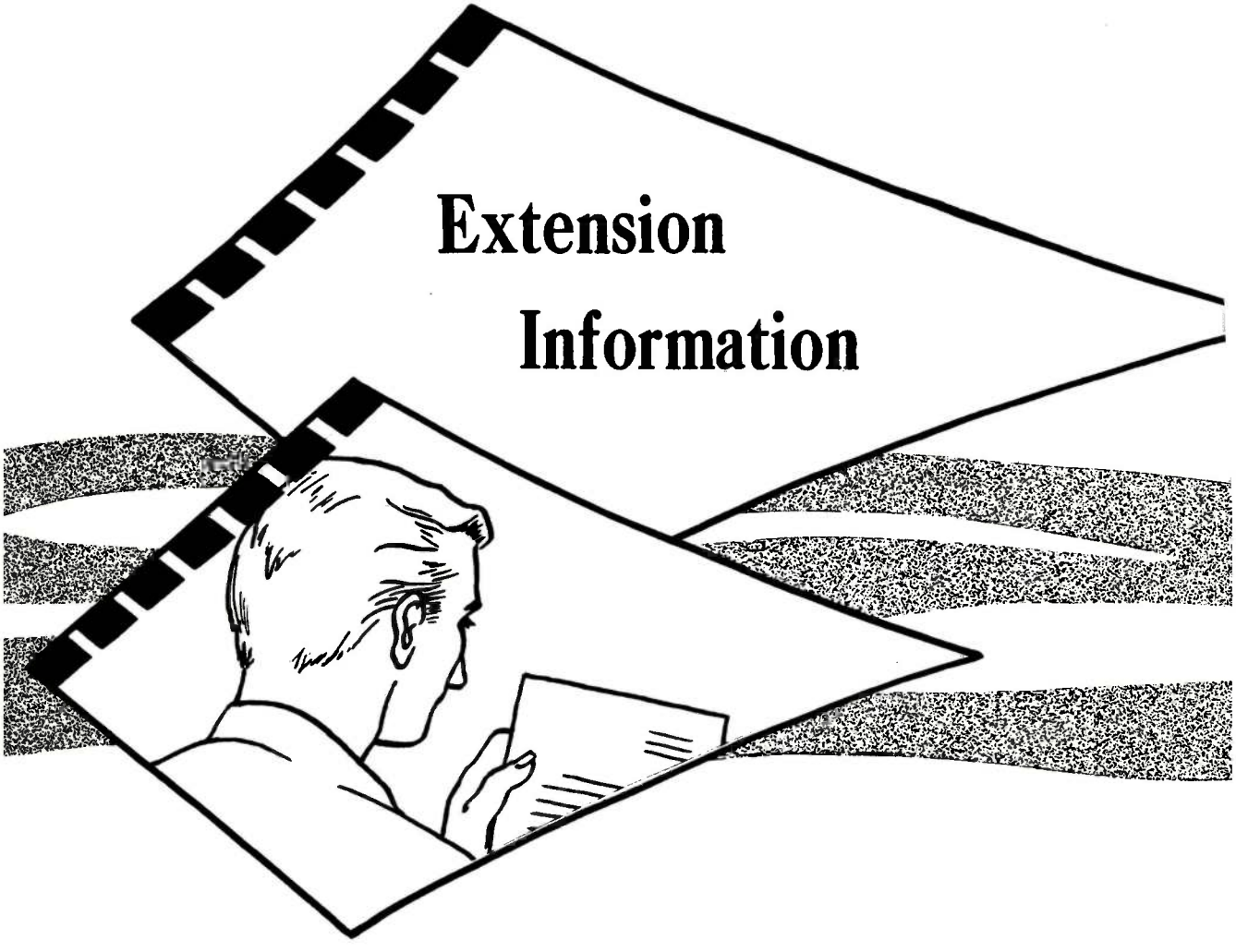
A representative of the Social Security Administration Office, Safford, Arizona, schedules two days or more per month in the Extension Office to contact people in the Willcox area desiring assistance pertaining to the Social Security Program. Requests for information on this program, received by the Extension Office, are referred to the Social Security representative when more information is needed than can be supplied in bulletins.

Meeting room facilities of public schools, Cochise College, Sulphur Springs Valley Electric Cooperative, Willcox Veteran's Club, Community Centers at Arizona Sunsites and Sunizona subdividions and YWCA's in Bisbee and Douglas have been made available for Extension Service meetings without charge. Also, meetings have been held without charge at the Officers and Non Commissioned Officers clubs at Fort Huachuca.

The U. S. Forest Service and Sulphur Springs Valley Electric Cooperative cooperate with the County 4-H camping program.

Excellent working relationships exist between 4-H Clubs and Chapters of the Future Farmers of America. A number of FFA members participate in the 4-H club program. 4-H club members are encouraged to participate in FFA sponsored field days, horse shows and rodeos. Two FFA advisors assist with 4-H activities.

A summary of organizations interested and assisting with the Extension Program with both the youth and adults would not be complete without recognizing the support of the Cochise County Fair Board and the various Chambers of Commerce throughout the country. They too have had a definite part in helping publicize the Cooperative Extension Service program in the county.



The Extension Information Service . . .

--Reinforces and supports all five Extension program areas. News releases, bulletins, circulars, radio and television programs, exhibits, visual aids and films disseminate state wide the latest developments and information from the University of Arizona, College of Agriculture, the School of Home Economics and the U. S. Department of Agriculture.

II. EXTENSION INFORMATION

METHODS USED AND PEOPLE REACHED WITH AGRICULTURAL AND HOME ECONOMICS INFORMATION

Many methods are used by Extension workers in supplying information to the people of Cochise County as indicated in the diagram on the following page. The results of research in Arizona, the results of research in other areas, and the results of research by the United States Department of Agriculture -- together with practical experience in the local adaptation of such information -- is made available throughout the county in the fields of Agriculture and Home Economics to adults and youth alike.

SPECIAL EXTENSION INFORMATION PROJECTS

County Agricultural Publications

The county publication "Field Crops in Cochise County: was revised in 1965. This mimeograph gives recommendations for all important crops in the county. Subject matter specialists of the University of Arizona assisted the County Agent in the preparation of the publication.

The field crops mimeograph and the 1962 revision of "Cochise County Agriculture" giving county information on weather, soils, land ownership, water resources and statistical information on crops and livestock are time savers. They are especially helpful in answering requests for general information on agriculture in the county.

Commodity Newsletter Provides Timely Information

Six circular letters entitled "Cochise County Farm and Ranch Notes" were sent to cattlemen and farmers beginning in March. These letters included short items on various subjects pertaining to farm crop and livestock production practices. More detailed letters were sent to commodity groups regarding University of Arizona and County Extension Office sponsored meetings, timely information on cotton insect control, livestock marketing, fruit and vegetable production and similar topics.

Homemaker Letter

This letter was devoted to a number of different subjects and also in many different activities. The primary interest is in getting the scope of the total home economics program into the newsletter, promoting Town and Country Life Conference, promoting attendance at the luncheon given for Mrs. Aroti Dutt, president of the ACWW, safety seminar which was sponsored by our county safety committee, and increasing attendance at our spring and fall council meetings. Some subject matter was covered. The one getting the most response was the sour dough recipe and variations that are made with it. A little consumer education on the cost of foods was included in one of the letters.

The letter is not only sent to those in homemaker groups but to other interested individuals and organizations that have requested their names to be put on the mailing list. The letter comes out the first of each month and is printed on pink paper, so it has been referred to by the ladies as the "pink letter". This has a real meaning to those receiving it for it is immeiately associated with the home economics extension program. A mailing list of over 500 receive the letter.

4-H Newsletter

A monthly 4-H newsletter is sent to all 4-H club members and leaders enrolled in the county 4-H program. The mailing list totals 835. This newsletter is most important in our program as it discusses and announces all county 4-H activities and events going on in the county. The Home Economists and the 4-H Club agent share the responsibility for its contents.

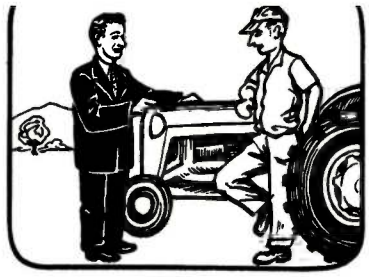
Demand for Publications Continued High

Publications distributed totaled 35,938 in 1967. This was 13,412 higher than 1966. The average was around 17,000 for several years before 1964. Horticulture publications on gardening, landscaping and fruit production along with related information and home economics bulletins were particularly popular. The increased demand for publications in recent years is due to requests by many new residents in the county, and working with new groups in the extension program.

Person to Person Does The Job

Meetings, bulletins, circular letters and news items to press and radio are valuable teaching aids. However, these as well as personal letters cannot entirely replace the need for farm and home visits for effective teaching in many instances.

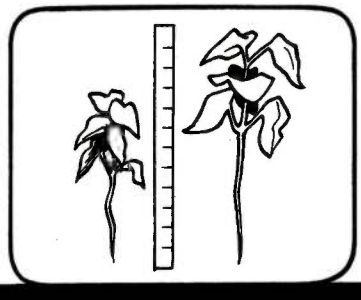
Home grounds improvement, and fruit production are two of the projects which require the greatest amount of follow through including farm and home visits. A major percent of new residents in the county desire to improve their home grounds and produce some vegetables and fruit for home use. The lack of understanding of agriculture under Cochise County conditions often results in misinterpretation of information supplied in printed form. The shortage of time for making home visits limits the extent of teaching possible by this method.



1616
Farm & Home Visits

109 Press Articles Prepared & Publis

19 Result Demonstrations & Tests Established



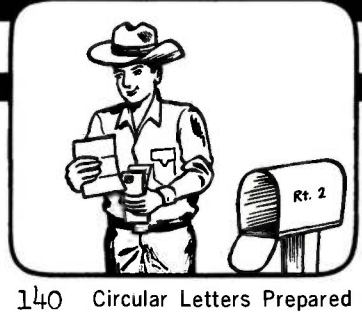
1392 Office Calls

1767 Telephone Calls

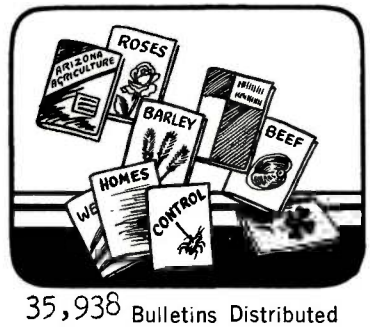
Methods Used & People Reached with Agricultural & Home Economics Information . . . 1967

The University of Arizona Cooperative Extension Service

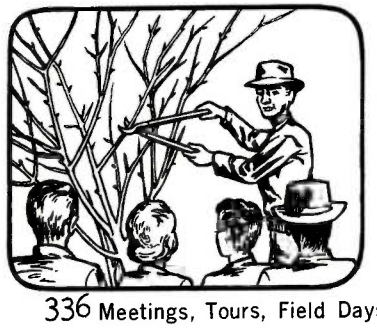
46 Television & Radio Broadcasts



140 Circular Letters Prepared



35,938 Bulletins Distributed



336 Meetings, Tours, Field Days

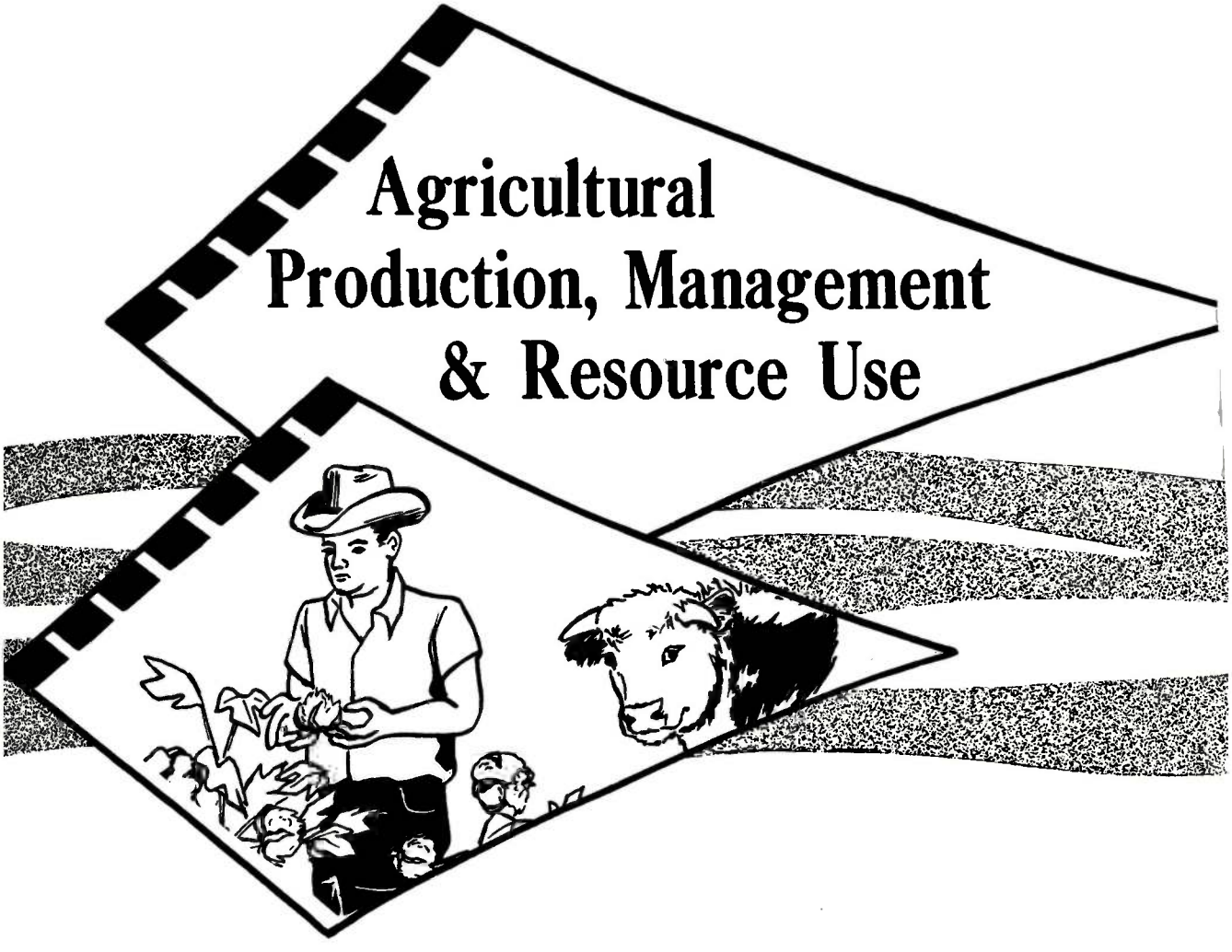
18,821 Attendance

F. 1967. EXTENSION EDUCATION PROGRAM BY COMMUNITIES - AN OVERVIEW

COMMUNITIES BY HIGH SCHOOL DISTRICTS	Benson	Bisbee	Bowie	Buena	Douglas	Elfrida	San Simon	St. David	Tombstone	Willcox
AGRICULTURAL PRODUCTION										
Cotton Variety Test (2)		x	x							
Cotton quality related to date of Harvest (1)			x							
Wheat Variety Tests (2)		x								x
Barley Variety Tests (2)		x								x
Control of Southwestern Corn Borer (1)										x
Soybean Variety Test (1)		x								
Grain Sorghum Variety Test (1)		x								
Safflower Variety Test for Cold Tolerance (1)		x								
Alfalfa Variety Test (1)	x									
Test to Improve Habitat for Game Birds(2)				x						
Irrigated Pasture Grasses Test (1)		x								
Summer Planting for Winter Harvest of Potatoes (1)										x
Fruit Growers School for County (1)										x
Crambe Variety Test (1)		x								
Chealates to Correct Chlorosis of Peaches (1)							x			
Beef Performance Test (1)						x				
Dairy Herd Improvement Association (1)	x									
AGRICULTURAL MARKETING										
Feeder Cattle Schools (series of five Meetings)(3)					x	x				x
Cotton Production & Marketing Meetings(3)						x	x			x

OMMUNITIES BY HIGH SCHOOL DISTRICTS	Benson	Bisbee	Bowie	Buena	Douglas	Elfrida	San Simon	St. David	Tombstone	Willcox
'AMILY LIVING										
Clothes For The Places You Go		x		x	x	x	x	x	x	
Foods - Use of Commodity Foods					x					x
Head Start	x	x								
Child Care Centers					x					x
Nutrition	x	x	x	x	x		x		x	x
Freezing Foods					x				x	
Food Packaging		x	x	x	x	x		x	x	x
Selection & Care of Knives		x		x	x	x	x	x	x	x
Selecting an Upholstered Chair		x		x	x	x	x	x	x	x
Window Treatment				x		x			x	
Eat Well for Less		x		x	x	x	x	x	x	
Simplified Sewing					x					x
Safety In The Home		x		x	x	x	x	x	x	x
)UTH DEVELOPMENT										
4-H Clubs (Home Economics)	x	x	x	x	x	x	x	x	x	x
4-H Clubs (Agriculture)	x	x	x		x	x	x	x	x	x
4-H Leader Training - Home Economics	x	x	x	x	x	x	x	x	x	x
4-H Leader Training - Agriculture	x	x	x		x	x	x	x	x	x
)MMUNITY IMPROVEMENT										
Area Resource Development Workshop										x

Agricultural Production, Management & Resource Use



The Extension Service strives to . . .

- --Assist farmers and ranchers to use research and technology
- --Create awareness of change in the farm scene
- --Increase farm income and living standards
- --Help farmers' and ranchers' produce products to meet market requirements
- --Update management procedures and product quality standards

III. AGRICULTURAL PRODUCTION, MANAGEMENT AND NATURAL RESOURCE USE

Gaines Wheat Grown on More Farms

In spite of a dry winter, severe aphid infestations and a late spring, Gaines wheat yields averaged at least double the yields formerly expected from small grain in Cochise County. This adds one more important year toward the brief but favorable experience farmers have had with this variety of wheat in this area.

Limited plantings the previous three years, mainly on a test basis, prompted plantings on an estimated 16,000 to 18,000 acres in 1967. This is at least twenty times more wheat than has ever been planted in the county before.

Reasons for University of Arizona effort in working with farmers to find a profitable small grain crop for the area are two-fold. First, a profitable crop in rotation with grain sorghum has been a major need due to the buildup of off type plants and Johnson grass in growing this row crop continuously. This weed problem has been gradually cutting the yield of grain sorghums from the profitable level of a few years ago. The second and probably equally important is more efficient use of the available water supply. With the declining water table, a winter growing crop distributes the use of water over a longer period than possible with only row crops. This allows for cropping a greater acreage of the land on many farms.

Partners in Progress . . . COCHISE COUNTY SMALL GRAIN GROWERS

Field Demonstrations and Variety Trials Acquaint Farmers With Newer Varieties

Ten varieties of wheat and fourteen of barley were planted on the Hereford Experiment Farm November 23, 1966. Also, Dr. Arden Day, Agronomy Department, University of Arizona, planted a test of winter grain for cold tolerance on the farm on this date. Gaines and Nugaines wheat were planted on the Charles Kimzey Farm November 20. Tokak, Pennrad, Alpine, and Luther varieties of barley were planted on the John Kimzey farm with the first irrigation applied December 12. The Luther planting was broadcast by hand for observations as only two pounds of seed were received. Part of this seed was planted in the Hereford Farm test.

A field day to visit field tests on small grains and other agronomic crops included stops at the Hereford Experiment Farm, and the Charles and John Kimzey Farms in the Kansas Settlement-June 6, 1967.

The wheat and barley variety tests were inspected at the Hereford Farm. Also, Arden Day, Researcher,Agronomy Department, University of Arizona, discussed work being done by the University on this farm with different breeding lines to develop more cold tolerance in small grain varieties. Charles Davis, Head Department of Smoke Investigation, Phelps Dodge Corporation, explained the primary purpose of the farm. Planting of miscellaneous crops were observed.

Also, the irrigated pasture test which has been on the farm for four years was inspected. Observations made during the years of this test were discussed. The Agent discussed the cultural practices in growing the test plantings at the stops on the Kimzey Brothers farms.

A total of thirty-eight attended one or more of the stops on the tour which included eight agronomy students from the University of Arizona and Dr. Martin Massengale, Head of the Agronomy Department.

Study of Successful Farmer Practices Aid To All Farmers

Recommendations for production of the 1967 small grain crop were based mainly on the experience of Kimzey Brothers, Kansas Settlement. They had grown Gaines wheat the previous three years. Yields of 5,000 to over 7,000 pounds per acre were harvested on plantings in 1965 and 1966. Previous to this work yields of 3,000 pounds of wheat per acre were considered exceptionally good.

The study of Gaines wheat production in Cochise County this year was completed and a summary mailed to farmers in the County Agent's monthly circular letter dated September 14.

The study included growers with more than one field except on one farm where differences in yield were measured on the same field. This was done in order to determine if certain practices or conditions could be found to have consistent affects on yield. Information summarized was from over 3,000 acres in fields varying from 9 to 80 acres or more in size. Yields varied from 2,000 to 7,494 pounds per acre. This, of course, included varied soil conditions, water supply, light to heavy aphid infestations, damage from freezing and hail in some of the low as well as high yielding fields. Number of irrigations to produce yields of 5,500 pounds or more varied from four to ten on fields not pastured. With such varied conditions few definite rules for success apply.

The questionnaire used for making the study was completed with the assistance of Robert Dennis, Extension Agronomist. Many items were included in the questionnaire such as source of seed, insect control, fertilizer materials used, and other information that was not included with much detail in the summary sent to farmers. Several of these items were of interest to the agent but did not seem to have much bearing on yield and therefore were not reported. In another year, if time is available for such study, it may be of interest to also include questions on the preparation of soil previous to planting. Here again, this is probably an item that will not provide any consistent information pointing out variation in yields. Variation in the way farmers handle the crop and the varied soil conditions and cropping history also have a bearing on the yields regardless of preparation of land for planting.

Other items pertaining to small grains summarized for distribution to farmers were yield information from variety trials and results of baking tests on one sample of Nugaines and two of Gaines wheat.

Cotton

Pink Bollworm Becomes a Problem in 1967

A chemical supply fieldman reported August 26th that several bolls infested with Pink Bollworm were left at his office by a farmer in the San Simon community. Dr. J. N. Roney, Extension Entomologist, was contacted. A field trip to investigate the extent of the infestation was made August 30.

Damage of economic importance was observed in two small fields on this date. An attempt to control the pests with chemicals at this late date was not considered practical. Harvesting early and cultural practices to help reduce the possibility of damage to next years crop has been emphasized in previous years. This seemed to be the only practical plan to continue with for the remainder of the year.

The growing season was unfavorable for cotton due to cooler than normal temperatures. Hail caused serious losses in the Bowie and San Simon communities July 3rd. Southwestern Rust was serious in the Sulphur Springs Valley. Economic losses occurred on farms where timely control measures were not applied. This was the first time in over ten years that hail storms continued into September in small areas in the Sulphur Springs Valley. Bacterial blight appeared in many fields although losses were minor. This disease has been found in several fields. Apparently the dry winter prevented decomposition of crop residue that harbored the disease. Verticillium wilt is increasing in some fields especially where continuous cropping with cotton is practiced.

Although Cochise County is practically 100% 1517 cotton, variety testing continues. Planning tests, arranging for seed and harvesting cotton as well as other field crop tests is done with assistance from Robert Dennis, Extension Agronomist.

Further information on cotton is reported under Agricultural Marketing and Utilization.

Partners In Progress . . . FIRST COMMERCIAL PRODUCTION OF SUGAR BEETS IN 1967

Approximately 1,800 acres of sugar beets were planted in the Willcox area beginning February 28. Harvesting was during the month of November with a limited amount harvested the first week of December. Reports of returns based on yields and sugar content have been favorable. Indications are that the acreage planted to this crop will be increased in 1968.

Field tests on varieties and cultural practices have been conducted in the county beginning in 1960. First interest in the crop was promoted by a survey by Arizona Farm Bureau on possible interest in growing the crop in Arizona. University of Arizona tests were started in Cochise County in an effort to gain some information that would be helpful in case commercial plantings were desired at a later date.

Six tests were conducted in 1963 in cooperation with farmer cooperators, Spreckles Sugar Company and the University. Encouraging results from these tests led to further testing in small plots in 1964 and 1965.

A meeting for farmers sponsored by Spreckles Sugar Company was held at the Veteran's Club, Willcox, January 11. At that time company representatives stated interest in contracting for around 5,000 acres of beets for harvest this year. Company fieldmen then started lining up prospective growers.

Robert Dennis, Extension Agronomist and Arlen Davison, Extension Plant Pathologist, presented information on growing sugar beets at the County Farm Bureau meeting March 14. Jack Brickey mentioned that approximately 2,000 acres of beets were being planted in the Willcox area including Bonita, around 1,500 to 1,800 acres at Lordsburg and 1,000 to 1,200 acres at Safford.

Since fieldmen with the Spreckles Sugar Company work directly with the growers through the year, little time was required by the Agent in working with this crop. Leaf diseases did not affect the crop as much in 1967 as has been observed in tests in previous years.

Engineering - Irrigation

Allan Halderman, Extension Engineer, assisted the Agent in working with growers on special problems relating to irrigation. Individual farm visits were made to advise on reorganization of irrigation systems and planning for new farming operations.

Sprinkler irrigation was the subject discussed on the County Farm Bureau program April 11. The presentation arranged by Allan Halderman, Extension Irrigation Engineer, was by a panel consisting of Dick Entz, Soil Conservation Service, Professor Ken Frost, University of Arizona Research Engineer, Carl Sharp representing industry as a member of the Rainbird Sprinkler Irrigation Company (Western Rainbird Sales Company) with Mr. Halderman as moderator. This program was well received. A number of questions were asked by farmers.

Allan Halderman and the members of the panel visited several sprinkler installations April 12.

Trace Metal Study of Water

One hundred forty-four wells were sampled beginning in July 1966 and ending in June 1967. An attempt was made to get a representative sample of irrigation and domestic waters throughout the county. This information will be reported by the Agricultural Chemistry and Soils Department, University of Arizona.

Meetings, Field Tests, Demonstrations, and Farm Visits Aid Fruit Growers

School for Fruit Growers

A Decidious Fruit Growers School was held at the Willcox Veteran's Club February 14 and 15. The school for growers in Southeastern Arizona was conducted by Harvey F. Tate, Extension Horticulturist and William Brechan, Agricultural Agent, Coconino County. The program was planned to be of value to both commercial and home growers of deciduous fruit. It was not intended to promote commercial fruit production in the area but to assist those in the business as well as providing helpful information to growers with only a few trees around homes. Thirty-two Cochise County growers attended the school.

Farm Visits

Commercial fruit production is scattered in the county requiring mainly individual work on field visits. H. F. Tate and Richard Kuykendall, Professor of Horticulture, assisted with this work including a test on peach chlorosis control with chealates on the T. H. Troller farm at Portal. Also, work was done on field visits with growers planning to test possibilities in their areas to determine feasibility of a fruit production enterprise on their farms.

A fruit tree pruning demonstration was conducted for the Cochise Community by the Agent at the Esther Manke Home, Cochise. Other demonstrations were conducted by the Agent during home visits in answering special questions from growers.

New Insect Problem Verified

A number of reports were received in 1966 regarding cucumber beetles eating the blossoms on fruit trees. Two or three reports were received regarding a large number of these pests in peaches in the Cochise Stronghold area this past year. Curtis Brown, who has a young apple and pear orchard in the Stewart Community reported last year that considerable damage was done by cucumber beetles. The Agent was on sick leave at the time of the report and could not follow up on this problem. Literature does not indicate cucumber beetles are a pest on fruit trees. After contacting the specialists it was thought that perhaps the presence of these beetles led people to believe they were doing damage when actually they may not have been. However, this year the Agent had Leon Moore, Extension Entomologist, check the situation in the Curtis Brown orchard on March 28th. Mr. Moore was here on that date principally to check the problem with aphid in small grains. After checking the Curtis Brown's orchard it was found the cucumber beetles were definitely eating the blossoms and totally destroying the potential fruit crop in pears in the orchard. Mr. Moore recommended the use of an insecticide for control of these pests. This is just another case that shows that one can never be sure. It seems like with insects the items that have never been heard of before may be a problem tomorrow.

Meetings, Field Tests and Visits With Growers And Agricultural Chemical Fieldmen

Three Year Program on Fertilizer Tests on Chili

The 1967 fertilizer test on chili peppers in cooperation with Kenneth McDaniel, McNeal, is the last of the three year program of testing to determine the most profitable rates of fertilizers to apply on this crop. Results of tests are mailed each year to growers. The tests were planned and conducted under the supervision of Norman Oebker, Extension Horticulturist, and Jack L. Stroehlein, Associate Professor, Agricultural Chemistry and Soils Department.

Summer Planting of Potatoes for Winter Harvest

A test planting of potatoes was made in June on the Floyd Robbs farm, Willcox. Seed and fertilizer was furnished by Ernie Hawes, Queen Creek potato grower. Harvest of the test will be after the first of the year. Quality of the potatoes after this delayed harvest will determine whether an attempt will be made to make a commercial planting in 1968. It appears that the yield will be much heavier than expected from planting so late in the year. The Agent assisted in locating a cooperator for the test. Planning and planting of the test was supervised by Norman Oebker.

Lettuce Plantings on Limited Acreage

Less than 1,000 acres of lettuce was harvested in both the spring and fall crops in 1967. Prices and yields were the highest for the spring crop of any season since plantings were started in 1957. Yields and prices were low during most of the fall harvest season.

Cooperation of Extension and Industry Workers with the fieldmen in the chemical industry is one of mutual benefit. When special problems are reported to the Agent, University of Arizona Specialist assistance is often requested in the fields of plant pathology, entomology and soils. Attendance of growers and chemical fieldmen at University sponsored meetings at Tucson as well as at experiment stations elsewhere helps to improve service to growers.

Partners in Progress . . . COCHISE COUNTY CERTIFIED BRUCELLOSIS FREE AREA

Announcement was made April 8, at the Cochise-Graham Cattle Growers Association Annual Meeting that the two counties had completed the requirements for the Brucellosis free classification. Leadership within the association was a major item of importance in conducting this program. Testing of cattle was under the supervision of the Animal Disease Control Branch, Agricultural Research Service. Dissemination of information pertaining to the program was the major responsibility assumed by the Cooperative Extension Service Office.

Partners in Progress . . . DAIRY HERD RECORDS AID IN MAKING MANAGEMENT DECISIONS

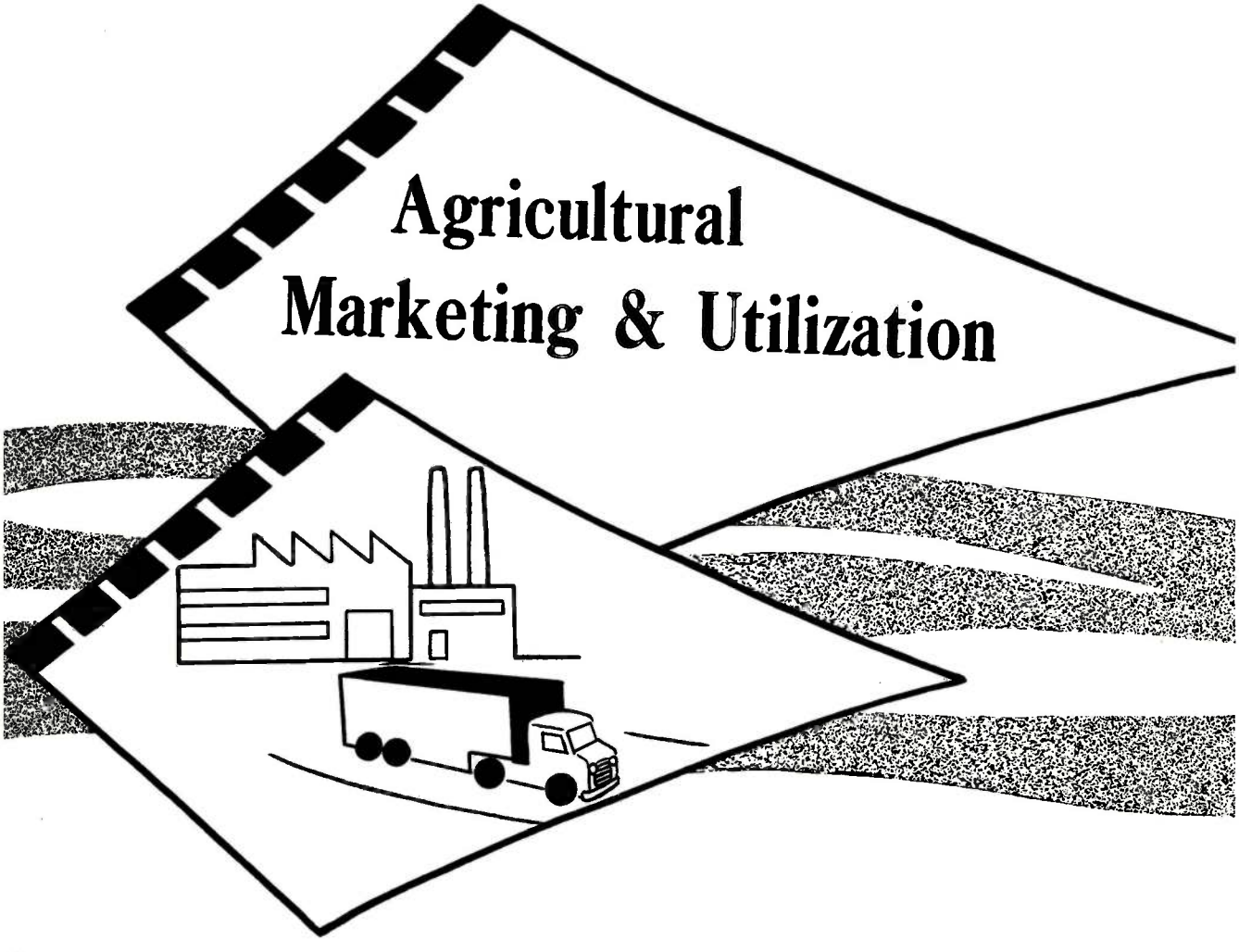
The 1966 Statistical Summary in the Dairy Herd Improvement Association received from W. R. Van Sant, Extension Specialist in Dairying, was as follows:

ANNUAL AVERAGES OF COCHISE COUNTY DHIA

Year	No. Herds Reported	Cow Years Reported	Ave. Herd Size	Percent Cow Years In Milk	Ave. Milk	Percent Butter-fat	Ave. Fat
1966	6	369	61.5	86.9	13,590	3.37	458
1965	6	413	68.8	85.5	12,800	3.34	428
1964	6	356	59.3	87.1	12,360	3.39	419
1963	6	336	56.0	86.0	12,790	3.62	464
1962	6	336	56.0	87.6	12,920	3.55	458
1961	6	343	56.5	88.1	12,370	3.60	444
1960	7	394	56.3	87.1	11,390	3.59	407
1959	10	569	56.9	86.3	10,130	3.62	366
1958	6	330	55.0	83.8	10,120	3.66	370

The nine years record of the association shows the number of herds and total cows in the herds has not varied much during the nine years. The milk production has increased from an average of 10,120# per cow in 1958 to a high of 13,500# in 1966. The butterfat averages increased from 370# in 1958 to highs of 458# in 1962 and 1966 with the highest for the nine years of 464# in 1963. The overall averages indicate gradual improvement in the production of the cattle on test in the County Dairy Herd Improvement Association Program. It is quite noticeable that improvement in production of butterfat and milk per cow is much slower the last few years than it was the first three years the cattle herds were on test. This is in line with what one would expect in any good improvement program. After a period of time increases in production for efficiency require much more exactness in conduct of a program than is necessary when the program is first started, and the most obvious means of improvement are put into effect. Later improvements gradually become more difficult.

Agricultural Marketing & Utilization



Extension Agents and Specialists . . .

- --Promote efficiency in marketing systems to reflect change rapidly
- --Assist firms dealing with farm products
- --Help farmers and processors improve and maintain product quality
- --Help producers establish convenient livestock marketing outlets.

IV. AGRICULTURAL MARKETING AND UTILIZATION

Partners in Progress . . . AGRICULTURAL MARKETING AND PROCESSING INTERESTS

Cotton Marketing Emphasized in 1967

Meetings on cotton production and marketing were held at San Simon, Willcox and Elfrida, April 4th, 5th and 6th.

Robert E. Dennis, Extension Agronomist and Curtis Cable, Extension Marketing Specialist, prepared the information presented. The Agent met with these specialists, and Lee Stith, Head, Plant Breeding Department, University of Arizona, March 31st to discuss the information planned for use at these meetings.

Curtis Cable discussed the importance of length, strength, micronaire and other quality items in marketing cotton. Robert Dennis and the Agent discussed cultural practices of importance in producing quality cotton.

Gin managers from San Simon, Stewart (Willcox), Kansas Settlement (Willcox), and the Co-op Gin, Elfrida, attended the meetings, in addition to farmers in these communities.

Refer to Family Living -"Fashions From Cotton" for information on cotton utilization.

Feeder Cattle Schools Held In Three Communities

Feeder Cattle Schools consisting of five meetings each were held in Elfrida, Douglas and Willcox Communities. The first school was at Elfrida beginning February 6th and the last ended at Willcox, May 22. Although the average attendance was about the same at the meetings in each community, there was more difficulty in scheduling the May meetings, due to other activities in the communities as well as crowding the Agents schedule.

Lessons for the series of meetings were on the following subjects:

Factors Affecting Feeder Cattle Prices
Regional Growth and Cattle Movements
Grading and Shrinkage
The Business Side of Ranching
Ranch Records and Summary of School

Clarence Edmond, Extension Economist, assisted the Agent in planning the lessons for the schools and presented the first lesson in each community. Ed Ayers, Head Livestock Market Reporting Service, USDA, assisted with the lessons on grading and shrinkage. Charts prepared by Dr. Edmond were a valuable aid to the Agent in presenting a major part of the subject matter. Also, a series of slides on comparing judging cattle on foot and again on the rail was very helpful. This information was secured by Al Lane, Extension Livestock Specialist.

Family Living

Extension Home Economists assist families develop . . .

- --An understanding of human growth and development, family life, and human relationships
- --An understanding for making family choices in the use of time, money, energies, abilities to analyze family needs and goals, and to balance these against the family resources
- --An understanding of the market place and the many goods and services offered to the consumers, and an analysis of family needs and facts for making buying decisions.
- --An ability to perform certain homemaking tasks and skills
- --An awareness of the need for people to assume leadership in the community and to understand good citizenship.

V. FAMILY LIVING

Partners in Progress . . . COCHISE COUNTY HOMEMAKER CLUB MEMBERS

Organization

Homemaker Clubs

There are thirteen active homemaker clubs in Cochise county with approximately 400 active club members. There are two inactive clubs who participate in the events and activities of interest to their groups. The clubs meet monthly, with the exception of two or three, who take vacations for the summer months. Homemakers meet in homes, their own privately owned or managed community buildings, church facilties, public buildings, such as the YWCA, and in some cases in schools. One club meets regularly at the Sulphur Springs Valley Electric Coop building in Sierra Vista.

The clubs are organized under a full set of officers and hold a business meeting each month. They strive to practice democracy and follow Roberts Rules of Order as a part of their educational program. At each club meeting there is an educational program provided by a leader, a resource person, the extension home economist, or activities formulated within the group.

The homemaker clubs are under the direction of extension home economists. Membership according to age varies in different localities. Of the approximate 400 club members, possibly 50% are older club members and 50% are younger. In the newer clubs, or the most recently organized clubs, the club members tend to be young homemakers with small children.

Homemakers Council

Each member of the homemakers club is considered a member of the homemakers council. The clubs are located in all areas of the county so that getting together as one large council group is a little difficult. However, two full council meetings are planned for each year; the first being in the spring and the second in the fall. Meeting places are decided by the executive council but they do alternate from the north, central and southern parts of the county.

At the council meetings an educational program is provided which is determined by the hostess clubs in connection with the executive council. Activities involving the club members are also planned for the council meetings. An hour for fellowship and get-acquainted is also a part of the day. The clubs are divided into northern, central and southern areas and serve as hostesses to the entire membership. The executive council provides the meat for the luncheon, with the club members bringing any other food they choose. This is the hour of fellowship and get acquainted. The morning program is devoted to a short business meeting and program of some educational nature. The afternoon is also a program of entertainment and information. Attendance at the council meeting has increased twice over last year's.

Featured programs that the club members particularly enjoyed this year was a fashion show of all cotton fabrics and fashions, a slide film talk on "Once Upon a Raindrop" which emphasized the importance of water on the desert to us and a visit from our state council president.

The Executive Council

The homemakers executive council is made up of two members from each of the existing homemakers clubs, special representatives from the YWCA in Bisbee and Douglas and some of the LDS representatives. The executive council meets twice a year, usually at Sunizona, which is in the central part of the county. Under the direction of the council president, business of the entire organization is transacted. At this meeting, plans for the full council are formed up, promoting Town and Country Life Conference and other state events are discussed and plans formulated for having representation at these meetings. The executive council also approves the program planning committee's report for educational programs in the coming year.

Officers are elected for a two-year term to coincide with the state constitution. This year our officers have been: Mrs. L. D. Small, president, Mrs. Hiram Wright, vice-president, Mrs. William Schrader, secretary and Mrs. Orph Osborne, treasurer. Attendance at the executive homemakers council is encouraged by the home economist.

New Homemaker Clubs in 1967

Three new clubs were organized in the county; one in Willcox, one in Ft. Huachuca and one in Sierra Vista. The clubs are made up of young women whose children are in grade school and who are interested in being better homemakers and participating in an educational program. Two clubs chose to meet on the second Tuesday of the month and one on the first Wednesday. One has a meeting room provided by Sulphur Springs Valley Electric Coop in Sierra Vista, one at the Officers Club and the other meets in homes in the Willcox area. Mrs. Addison Washburn serves as president in Willcox, Mrs. Robert Sack as president of the Sierra Vista club and Mrs. Glenn Nordin is president of the World Wide Homemakers at Ft. Huachuca.

Willcox and Sierra Vista clubs have closed their membership at 25 because of space for meetings in the homes and at the Sulphur Springs meeting room. Both will try to organize second clubs if necessary in their communities. The home economist felt that it would give the clubs a good start if she met with them for their first two or three meetings, get them well established in organization and program management.

Homemakers Cookbooks

In response to the popularity of last year's cookbooks, the homemakers executive council voted to have 300 additional books printed. This is a money making project for the executive council. The books were and will be distributed by the club members, the funds handled by the county homemakers treasurer and promotion done by the individual club members. The books have stimulated interest in the homemaker program.

Leadership Training

Leader Training Multiplies County Home Economists Efforts

Each homemaker club is asked to name two ladies to serve as project leaders in each area of home economics for their club, such as two foods leaders, two clothing leaders and two home management leaders. Occasionally one leader will attend, but more often there are three and sometimes four, leaders come to the training meeting. The feeling is that the leader in attendance at the training meeting gets more than those who hear it from the local leader. The home economist, in doing the training, endeavors to teach the local leaders how to teach when they return to their respective clubs. Reports have been coming back to the office of the number of different audiences that these leaders are reaching which saves the time of the home economist.

A group of young women in the Bisbee area were trained to cover shoes. They, in turn, served as resource leaders in that community and expended themselves as far north as Tombstone and east to Douglas, as well as into the Sierra Vista area.

Another example of leaders reaching other groups was on a leader-training lesson entitled "Food Packaging". The leaders, in this case, reached other adult groups, such as church groups, adult education part of the MOP (Migrant Opportunity Program) and a few neighborhood clubs. Two sets of slides were retained in the office with the literature that these people borrow and use at their convenience.

We have no way of knowing how often the lesson, "Clothes for the Places You Go", has helped, both in groups and individually. One leader reported having assisted with planning the wearing apparel for a wedding party in her community.

4-H leaders share their training with, not only 4-H members, but homemakers clubs, their own church groups, and other womens organizations. One leader has continued reaching and teaching audiences in the southern part of the county for three years. Her lesson is "Freezing Foods".

HOME ECONOMICS INFORMATION AS TAUGHT TO HOMEMAKERS
IN SUBJECT MATTER AREAS

CLUBS	Membership	Clothes for the Occasion	Creative Design	Eat Well For Less	Figure Analysis	Floriculture	Freezing Foods	Furniture Refinishing	Health	Personality Development	Safety and Civil Defense	Storage in the Home	Window Treatment
Apache	17	31		33	10		7		10	24	9	9	11
Double Adobe	28				27				44				
Frontier	24				21					18		11	
Rancherettes	15	15			5	15		8		15			
San Jose	16	37	16	9		30	11					19	19
San Pedro	33	45		35	15			27		18			
Sew What?	53	30	36		20	55	14		49		32		22
Sierra Vista	28		40	19		17	21						
Silver Creek	24		23	23			11		10			13	12
Stewart	44	39	20	13			19		45	27	22		21
Sulphur Springs	24	15	45	12		13			23	14		8	13
Tombstone	21	33	23	10	15		9		44	23		11	12
Webb Mothers	44	63		23						54			11
West Side	24	18	26	42			13		25		9	16	13
Willcox	21	12		31			11						
TOTALS	416	338	229	250	113	130	116	35	250	193	72	87	134

Homemaker Club Educational Program

Learning Something at Each Club Meeting, the Uniqueness of the Homemaker Club

Homemaker Clubs are located throughout the county and are functioning solely for the educational value that they provide for their club members. The clubs are reorganized each January under a full set of officers which is a part of citizenship training. At this time leaders are selected or designated, who will take the responsibility of providing a share of the educational program. Since three or four leader training lessons are held by the home economist, the remainder of the program can be determined by the program planning committee. The leader training lessons usually offer enough information that two club meetings can be satisfied from information received by the two leaders.

In order to assist the clubs with a well-rounded program, a list of resource people with their qualifications is provided for them to draw upon. Resource people are individuals who are well-informed in some subject and are willing to come to the local clubs and give a lesson or teach a technique that they excel in. For example, one retired library director volunteered to serve as a resource person in presenting book reviews or directing a leader in the techniques of giving a book review. Another educational resource is film strip, slides, and movies available at the extension office.

Homemaker clubs are also concerned about the problems of the community and devote a part of their program to community improvement discussions on projects. Last, but not least, homemaker clubs have a social hour for visiting.

Foods and Nutrition Program Planning

Leaders from homemaker clubs, YWCAs, LDS and Young Marrieds Club met with the home economist to discuss problems in foods and nutrition. The meetings were held in five areas in the county. Prior to the planning meetings each club member was sent a questionnaire concerning food and nutrition, in order to stimulate thinking and discussion on food problems.

A total of twenty-three different problems and interests were listed by the groups. Heading the list was:

1. Cooking for two.
2. What are the "new" foods, such as Freeze-Dried.
3. How do we buy canned food for greatest economy.
4. How do we prepare and serve foreign foods.
5. What foods should we have as emergency food.
6. Cooking with herbs and spices.

Further consideration will be given by a county planning committee and the home economist before the program is determined.

Other Family Living Programs

Window Treatment

What are the latest fashions in window treatment?
What are the latest fabrics to use in treating your windows?
What hardware is necessary?
What do you do with a problem window?

These were some of the questions that were answered in the lesson, "Window Treatment for your Home". Two clubs had this lesson in order to assist them in treating the windows of their new homes.

Foods Packaging

Foods leaders from the homemaker clubs had requested a lesson on "The Cost of Packaging Foods". The lesson was a new innovation, in that we used slides telling the story of Whys and Hows of Packaging. The slides were provided by our Nutrition Specialist, and along with these slides was a story, a leaders guide, and handout material for those in attendance. In reviewing the slides, the leaders decided to add their personal touch by taking various size packages of the same food and making a comparative study with the club members. All homemaker clubs have had this lesson as their foods lesson this year. Club members have indicated that they feel they will do a better job of shopping for food in packages since having seen and heard this lesson.

Which Knife Shall I Use

The foods leaders in each of the clubs again were called upon to give a lesson in their local clubs. This lesson was on how to select and care for knives in the home. This lesson was given in all the homemaker clubs and it entailed learning the three basic knives, how to store them, how to wash and clean them, and how to keep them sharp. During the course of the meeting, the leaders were given an opportunity to try their hand at sharpening a knife. I think they all agreed that three knives: a paring knife, a French cook's knife and a slicer, would meet all their needs for preparing foods at home.

So You Are Buying a New Chair

The home management leaders were trained in the subject of "What to Look for in Buying an Upholstered Chair". The leaders were given a packet which included material which they might use with their audiences in all the homemaker clubs. Webbing, rubber hair, polyurethane foam rubber and fabrics of different fiber content were in the kit. Also included in the kit was a piece of graph paper and some furniture cutouts that could be used in demonstrating the scale of furniture for the room.

This lesson was given in two different meetings in the clubs. First, deciding on which piece of furniture was needed and the size to buy and second, on what is good quality furniture. It has been reported that some second-hand furniture was purchsed by six ladies who checked the construction before making their purchase and then redid the chairs. It was learned by the group, that finding upholstering materials is a little difficult in a rural area and the quality of materials desirable for good construction in remaking a chair is hard to find.

Clothes for The Places You Go

The clothing leaders are most enthusiastic about their assignment for teaching in the local clubs the subject of "Clothes for the Places You Go." All the clubs had this lesson and found it was one that could be shared with others.

The lesson required some preliminary work on the part of the leader. She was asked to bring to the meeting an inventory of the clothes that are presently in her closet, not those that were in storage. Following the inventory, she was to evaluate its worth; good condition, be discarded or to be renovated.

Arriving at the meeting, we listed the places that the leaders go. We evaluated their wardrobe to see if it was appropriate clothing for these occasions. Most leaders go to the same, or nearly same, functions, so it was easy to coordinate their need for clothing. Recent fashion magazines and newspaper ads were on the bulletin board pointing out fashions of the day which stimulated the discussion.

The leaders taught the lesson in their local clubs in the same manner. They were given an opportunity to use some of the extra materials that were brought to the training meeting by the home economist.

Safety is Our Best Insurance

Each club has a safety leader, who is responsible for a short program on "Safety in the Home" at each meeting. The leader is using a safety check sheet published by the National Safety Council.

This program started in September with the leader teaching the goals and objectives of the Safety Program. The next three months were devoted to "Safety When I Sew", "Safety When I Cook", and "Safety When I Use Electrical Appliances". The program will be continued in 1968 and then a summary will be made by the safety chairman of the county. Homemakers are fast learning that many activities they perform and consider safe are truly unsafe. Each club member has a safety check sheet that is her own personal check sheet.

Safety Seminars

Under the direction and planning of our county safety chairman for the homemaker council, two safety seminars were held, one in Willcox and one in Douglas. Sixty-eight persons attended these two meetings. It was a disappointing number in attendance, but we feel that if one home is saved or one accident prevented, it will have been worth it.

Principal speaker was the safety engineer of El Paso Gas Company. He presented the areas of greatest hazard in the home and methods of making your home a safer place in which to live. Assisting on the program was the Chief of Police and the Fire Chief of both cities. The Chiefs of Police used as their part of the program, planning a fire escape and having a family drill for escaping in case a home should catch on fire. The Police Chiefs stressed the need for safety with fire arms which are kept in the home.

Following the presentations, questions were answered, a discussion was held on various safety problems that were eminent in the communities. Those ladies in attendance were designated as leaders from their various groups and will present this material along with the handout material given them at Girl Scout meetings, 4-H meetings, homemaker club meetings, PTA and church womens organizations. The theme chosen was "Safety is Your Best Insurance."

Fashions From Cotton

The program planning committee of 1966 set as one of their goals to have a fashion show of 100% cotton in 1967. Since cotton is one of the agricultural products of our county, this would stimulate interest in sewing or purchasing 100% cotton fabrics or ready-to-wear. Chairmen contacted the National Cotton Council and asked for their loan trunk of fabrics for the showing. The Apache homemakers and the Tombstone homemakers volunteered to organize the fashion show, provide the models, and make the stage setting.

One hundred twenty-eight women attended the Fashion Show which featured 100% cotton dresses, suits, casual sports wear and formals. A brochure was prepared giving the make of pattern, and pattern number as well as the fabric type and finish that was seen in the garment as it was shown.

Accessorizing the fashions that were loaned to us was a part of follow-through from our previous lesson of "Clothes For the Occasion". This was reaffirming to the women who had heard and seen the lesson earlier in the year. The group indicated that they would like another fashion show in two years when newer fashions and fabrics will be available.

Homemakers Have Booth at the Fair

The homemakers council voted to promote the extension homemakers clubs by exhibiting and promoting homemaker clubs at the Fair. The booth was made with a large county map locating the areas in which the homemakers clubs are located. Coming from the location to a table in front were the names of the club members in that particular club. The theme of the booth was "Join or Organize a Homemakers Club."

Different club members volunteered to sit with the booth to answer questions concerning joining or organizing and a box was provided with paper for signing names and addresses for those interested. There were only five who signed and indicated that they were interested in joining or organizing. Those women's names were given to the clubs in their localities who are following up and inviting them into their membership. Bulletins describing the homemakers clubs, as well as some of the other timely bulletins from our University, were distributed by the women who were caring for the booth. The homemakers council felt that this was worthwhile and should be repeated in 1968.

Arizona Beautiful

The committee appointed at the homemakers executive council discussed many things that could be done in order to make Arizona more beautiful. After much deliberation, suggestions and ideas from the committee and the executive council members, the group decided that they would choose one goal and work very hard to reach it.

The goal chosen was for each club member to clean thoroughly around her own home and farmstead, picking up litter, trimming bushes, trimming shrubbery, trimming trees, eliminating excess growth in the fence rows, straightening the fence, etc. Each club member and each club was urged to take before and after pictures of their project. In areas where there are club houses, pictures were taken of the club membership getting ready to work, condition of their premise before they started and then the finished product. Not all clubs turned the pictures in to the committee chairman. However, in a survey of who participated 85% of the homemaker club members did clean around their homes and farmsteads, but not all had before and after pictures. Club members felt a togetherness on doing this project. This project was timed to be done in March and April.

Town and Country Life Conference Attendance Doubled

Reporting to the executive council by our representative that we need to interest more women in attending Town and Country Life Conference, brought some definite planning on the part of the homemakers executive council. Many ideas, such as writing letters to different organizations asking individual clubs to sponsor trips, and appropriating money from the homemakers executive council, were a few of the suggestions brought forth to reach this increased attendance.

The general consensus of opinion was that if we had some people who could personally go and talk with organizations other than homemakers clubs and if each president would talk to her own club, we could increase our attendance. One of the homemakers who had newly moved into our county volunteered to be the person to make this personal contact in the northern part of the county. We had no one in the southern part of the county.

Letters were written to Cowbelles, auxiliaries, church women's groups, PTAs and Scout leaders, asking if we could have a few minutes on their program to talk to them about a week for women on the campus of the University of Arizona. All organizations contacted responded with an affirmative with the exception of one which was having a National officer for that meeting. Mrs. Washburn talked to these groups, answered questions concerning Town and Country Life Conference and urged their attendance. The attendance was doubled, from 15 in 1966 to 30 in 1967. The homemakers council paid no scholarships to the meeting.

The executive homemakers council provided scholarships or funds for our council president and secretary to attend the state council meetings held in Phoenix biannually. The two officers returned and shared with the council the business and the projects that are being sponsored by our state council.

State wide meetings and activities are becoming more interesting to the club members as they learn more about the working and the purpose of the state council. We were most happy to have Mrs. Eliza Narramore participate in our Fall Council meeting. She spoke to the group on our association with national and international, known as ACWW. This gave a clear insight to the whys of a state council.

Miss Betty Craig Honored

The homemakers council honored Miss Betty Craig for having served faithfully in the Cochise County Extension Office as a secretary for 39 years. The group presented Miss Craig with a book entitled "The Birds of Arizona." Miss Craig is a "bird watcher" and an enthusiastic artist in her own right. The presentation was made at the Fall Council meeting which was held in Tombstone. Also a guest of the council was Miss Craig's sister, Agnes. Ninety-five women were in attendance at this meeting.

Record Keeping Skills

A series of four classes on family financial planning were taught by the home economist to fourteen young married women in the Bisbee area. Plans were formulated for this series of classes by Mildred Phillips, director of the YWCA, and Margaret Stickland, president of the YWCA board in Bisbee. These young women had indicated that they needed some help in spending the family living dollar.

SPECIAL INTEREST EDUCATION GROUPS

	Head Start	Textiles, Today and Tomorrow	Skillet Meals	Financial Planning	Fun in the Kitchen with Commodity Foods	Child Care Centers	Something New from Something Old	Training for Employment	Patterns and How to Use Them	Sewing Machine Clinic	New Shoes from Old	Title I Foods and Nutrition
Benson	30											
Bisbee	40			20	10		6					
Bowie												8
Douglas			30		45	40	(12) -6-	10	(12) -6-		(18)	212
Pomerene										12		
San Simon		20										
Sierra Vista		21	15									24
Tombstone											20	25
Willcox			18		20	35	9		9			102
Totals	70	41	63	20	75	75	15	10	9	12	20	371

(1) Volunteer leaders
-1- Paid non professional

The class members were asked to make an inventory of all their possessions and indicate the condition of these things and also when they were purchased. Many of them, in going through the inventory, learned that they had more than they thought they had in the way of kitchen utensils and supplies, clothing, extra chairs and unnecessary pieces of equipment that they very seldom use.

Establishing the standard of living at which they want to live was somewhat difficult because they could not define their goals. At the close of the four sessions, the young women were able to see where they might get more for their money and a more satisfying way of life in reaching their goals. There will be follow up work in January of 1968 after having tried their plan and measuring its worth for the past eight months.

Fun in The Kitchen With Commodity Foods

Prior to the Title I program going into effect, three classes were held with MOP (Migrant Opportunity Program) workers, recipients of surplus commodities and ADC (Aid for Dependent Children) mothers in Bisbee, Douglas and Willcox. The classes were taught by the home economist using the foods that are on commodities. One of the lessons was devoted to "Protein in Your Diet" and a second one to "Fruits and Vegetables in Your Diet".

The visuals used by this lesson were the pictures of white rats that were fed adequately. Pictures are real stimulus for students to create a desire within themselves to prepare well balanced meals and also to insist on their family eating a well balanced meal. It was hoped that these same people would take advantage of the Title I program which would be in effect in their communities. Seventy-five women were enrolled in these two classes.

Home Economist Assists with Vocational Training

A group of Spanish-American young women living in the Douglas area enrolled in a class for vocational training under the direction of a paid non-professional leader. The leader asked the home economist to assist her in making a course of study for class work, to recommend bulletins, illustrative material and other resource information and to also participate in the program for three different meetings.

The girls in the class hoped that they might be able to have employment full time or part time at the close of the training meeting. Of the twelve girls enrolled, eight did find employment to their liking. Table setting, food service, meal preparation, housekeeping, general cleaning and upkeep in the home were taught. Along with this lesson were some tips on ironing, mending and doing some made-overs.

How to Use Patterns

Many women who are clothing their family with a limited amount of money to spend for clothing, are anxious to make clothes for their children and themselves. In the three groups that were reached, it seems that the women have sewn for years but never used a pattern or had used a pattern very little.

The three classes were conducted by a paid non-professional leader, a volunteer leader and the home economist. The two leaders were assisted with their classes by the home economist in making out an outline, helping with visuals and also selecting and using a pattern.

The women in these classes used new fabrics. An exhibit of making clothes from discards was there for them to examine and to ask about making or remaking. At the close of each of the clothing classes, a fashion show was held for the participants. Some invited friends and neighbors and others were just happy to be a part of a social gathering. Another class was taught by a volunteer leader. The ladies enrolled in this class were the Business Womens YWCA group. They met at night for five meetings. This class progressed slowly but reached its goal of having each member, eight in number, complete a garment. Volunteer leaders are excellent help in directing the clothing projects throughout the county.

The Sewing Machine Clinic

Because of the increase in number of garments that are being made and the increased use of the sewing machine for making home furnishings, thirteen women of the Pomerene Relief Society asked for a sewing machine clinic. The machines were brought to the assembly room, dismantled, cleaned thoroughly and then reassembled. This clinic was under the direction of the extension home economist.

Let's Make a Shift

Ten women, low income, enrolled in a clothing class conducted by the home economist and assisted by Elodia Morin, Grass Roots worker. The class members had previous clothing construction experience. In planning the class with the Grass Roots worker, we decided that each enrollee could make a shift. Their major problems were reading a pattern and inserting the zipper. Nine ladies completed their shifts; each learning to read the pattern, applying an interfacing, stay stitching and inserting a zipper. Two of the ladies volunteered to assist with other classes for women in their communities.

Day Care Center Gets Help

Mrs. Letha Grimes, director of the Willcox Day Care Center, asked the home economist to assist her in training the aids on nutrition for the pre-school child. The leaders are Spanish-American women who will be working this fall with the children in the center. The posters of white rats showing good nutrition were used for the lesson material. Suggestions for getting the children to eat the food prepared was made. Sanitation with food was a part of the day's leader training. The head cook asked for individual help.

Head Start

Thirty-five persons participated in the Cochise County Head Start planning program which was held in Bisbee. Mr. Edward Madrid, chairman of CURE (Cochise United Recovery Enterprise), opened the meeting with telling the group about the plans for Head Start and how it is related to the total Community Action Program..

Mary E. Holmes, the newly appointed Head Start coordinator, was introduced and assigned the responsibility of summarizing the program at the close of the day. Along with this assignment, Mary also had a part on the program as interpreting the staff relationships and responsibilities. Miss Holmes was formerly an extension worker in Illinois.

The home economist will serve as a resource person in planning food and serving food for the programs in Naco, Bisbee and Benson. At the workshop her subject was "Helping Parents with Food and Health".

The group was very enthusiastic about the Head Start program as planned for this year.

Special Clientele

Food

Assistance was given the MYF committee of Willcox in planning a menu and planning the service of the annual Valentine banquet. Several different menus were drafted, discussed and changed. The group decided on roast beef, baked potatoes, salad, mixed vegetables, hot rolls, cup cakes, decorated in keeping with the holiday, and coffee.

In the light of the facilities and capabilities of these young people, they agreed that they could handle this menu.

FHA Members are Interested in Fabrics

Members of the FHA (Future Homemakers of America) chapter of San Simon High School asked for a lesson on textiles for their early spring meeting.

The girls invited their mothers and friends of the FHA chapter for this evening meeting of Fashions and Fabrics and fellowship together. The extension home economist borrowed fabrics from a local dressmaking shop and from one of the major chain stores and had rented a film from a national manufacturer of fibers and presented the lesson for the group.

The girls in this chapter are extremely interested in clothing and clothing construction. Thirty-five mothers and girls were so tremendously interested that they asked if they might keep the film and review it more slowly as a part of their class work the next week. The women and mothers present indicated that they would be interested in a homemakers group in their community. These women are new as far as residency is concerned.

Sunsites Flower and Garden Show

Judging the foods at the Sunsites flower and garden show was quite different than it was three years ago. We had 100 exhibits compared to eight three years ago. Following the judging, the home economist pointed out some of the reasons for placings. The exhibitors and committee were very grateful for this information. The home economist also assisted Dorothy Eddington in judging some flower arrangements.

Partners in Progress . . . FAMILES THROUGH OTHER FAMILY LIVING PROGRAMS AND EVENTS

Letters to Parents of Pre-schoolers

With the increasing number of parents moving into our county with pre-school children, we now find that we have a mailing list of 117 who receive this publication monthly. Those receiving the publication have indicated that it is a great help to them in training their children, understanding their children and assisting them in becoming well-rounded pre-schoolers. Possibly the number of subscribers to this will increase as years go by.

News Column

The extension home economist writes a weekly column for the five county newspapers which is entitled, "Consumers Are Asking". The column is devoted to consumer information using the latest information from the specialists and research people. Heading the column is a picture which has made the home economist more readily recognized than prior to writing the column. When out of county, the column is prepared in advance and mailed regularly to the newspapers.

Radio

A weekly radio program from KHIL is presented by the home economist on News For the Homemaker. All subjects in the field of home economics have been used in this program. When the agent is out of the county a taped program is prepared for use.

The Pink Letter

In order to identify information coming from the home economist, the homemaker council voted that the monthly letter be printed on pink paper and then, upon opening their mail, they would be sure to read all that is enclosed. This has been a good way to keep the members of the homemaker clubs and others receiving the letter informed of the home economics program.

The mailing list has grown to 590 copies. The letter includes timely information which would concern all club members and other interested women, as well as consumer information, foods and nutrition, home managment and clothing.

Sixty-six Learn Art of Bread Making

A total of six classes were attended by 66 homemakers in basic bread making. These workshops were held in the Sierra Vista, Willcox, Bisbee and Elfrida areas. The assistant home economist presented a complete day of a "do it yourself" style workshop. Each woman came with her own supplies and after a demonstration on techniques, each woman was on her own. A lot of enthusiasm resulted from these classes, as well as a lot of good information. Two of the classes were presented to the Spanish-American women in the Willcox area upon request.

1095 Women Reached by Title I Program

A series of five Food and Nutrition classes under the higher education act, Title I, were started in four areas of Cochise County aimed at young homemakers with children, especially low income families. The program was an educational food program in depth for various members of families who are not normally reached by organized extension programs.

A director and four lecturers each conducted two six-weeks workshops. Each educator tried for five student groups that met once a week for three hours. As in all programs, modifications were met in accordance with the needs of the people. The program reached 25 or more groups totaling approximately 315 homemakers. Volunteer leaders reached another 50 women.

To prepare each educator for the class, a three-day training meeting was held. The subject matter stressed the nutrition, storage, and preparation of surplus and low cost foods. The five areas taught were: Eat to Live Better, Feeding Young Children, Meal Planning, Buying Food and Principles of Cookery.

The 315 families that came under the program were most happy to receive the valuable training given by the lecturers and the wealth of reference materials given out at the lessons. Many of the homemakers asked for additional copies to take to friends so the information available was received by another 730 women. They also asked for more help, not only in foods, in 23 areas of home economics. A total of 1095 women benefited from the program.

The following, by area, show the lecturers and volunteer workers:

WILLCOX

Mrs. Orph Osborne was in charge of this area and had far more classes than she could handle. Miss Mary Busenbark, the director of the total program did some teaching in this area. Josie Benavides and Elidia Morin, worker with CURE and MOP and the volunteer workers did a lot to make the program a success.

DOUGLAS

Mary Bostick was in charge of this area and had no trouble organizing her classes. In many instances she went into the home of those who could not come to the classes. Ethel Salem and Cleo Stanford were the volunteer leaders. These women worked for the YWCA and had classes there.

BISBEE

Carolyn Thomas was in charge of this area. Her classes, held at the Catholic Church and Naco, were good but when it came to working with the mining people, their schedules made it difficult to attend regular meetings.

SIERRA VISTA - TOMBSTONE

Goldie Carpenter and Diane Sack both lectured in this area. Diane taught in Tombstone and Fort Huachuca, while Goldie handled the Sierra Vista area. Classes were good in this area.

ORGANIZATION

Mary Busenbark was the director for the program and also did some teaching where she was needed. Kathy Collins was the secretary and worked out of the extension office.

Two of the women, Mary Bostick and Maggie Osborne, had such success in their area that a follow-up was made in the Willcox and Douglas areas. Two more classes were held in Willcox and Bowie and three more classes were held in the Douglas and Agua Prieta, Mexico areas.

ENROLLMENT OF FOOD AND NUTRITION SERIES						
	Willcox	Follow-up Willcox and Bowie	Douglas	Follow-up Douglas and Agua Prieta	Tombstone Sierra Vista	Benson
Number of Classes	10	2	6	3	4	1
Number Enrolled	90	20	112	100	49	*

* A Class was scheduled but no one attended.

Youth Development

4-H Helps Members . . .

- --Acquire knowledge, skills and attitudes for useful living and a satisfactory home and family life
- --Learn through real life experiences a sense of responsibility and pride of ownership
- --Develop an ability to make decisions, solve problems and manage time, energy, and money
- --Explore career opportunities and recognize the need for a continuing education
- --Appreciate the heritage and culture of self and others
- --Develop their leadership and citizenship potential

VI. YOUTH DEVELOPMENT

4-H Club Members and Their Program

4-H Projects, Workshops and County Activity Days are all tools of learning for our 4-H young people.

As of January 1, 1967, 661 Cochise County 4-H'ers were enrolled in 32 different project areas during the 4-H Club Year.

Horse and beef projects were the agricultural projects with the highest enrollment. In the field of home economics, food preparation had the highest enrollment. The majority of the specific project work is done in project meetings and in the members homes.

The picture of club types is changing in Cochise County. In previous years the predominant type club was the community club. However, project clubs are becoming more and more popular. Completion figures of September 30 indicate there are now 16 community clubs and 17 project clubs in Cochise County.

The majority of club meeting time is devoted to business meetings, judging workshops, demonstrations and recreational activities.

Organization

Cochise County's 4-H Club Program Expanding

Through combined efforts of the staff's two home economists and the 4-H club agent, Cochise County's 4-H club program is expanding via the 4-H Project Club.

The new project groups and increased enrollment are due to various factors, mainly, time to be devoted to the home economics phase of the 4-H program, due to added staff members. Our leader training is paying off now resulting in better 4-H leaders, taking on more responsibility and being better informed about the total 4-H program.

A monthly newsletter is sent to all 4-H club members and leaders in the county. The purpose of the newsletter is to inform club members, leaders and parents of county and state 4-H activities and events.

4-H Home Economics Clubs Started in New and Old Areas

New 4-H clubs were started the past year in the Willcox, Bowie, Sierra Vista and Bisbee areas.

Four new clubs were started in Willcox at various times during the year. There is a total of nine new leaders and 67 new 4-H club members. Knitting, foods, clothing and outdoor cookery were the projects taught. Within all the clubs there was a wide variety of members. Quite a few were Spanish-American children, who up till this time, have shown no interest in joining.

Most of the clubs were conducted during the summer and were handled as short term projects. Under the direction of a Home Economics major the new Bowie Home Economics Club completed in foods and clothing. A garden club was started later in the year along with the same club to interest boys in 4-H.

A club was organized in the Sierra Vista area under the leadership of a woman who had moved from Nebraska and had been familiar with the 4-H program area there. Six girls are enrolled in the club.

Bisbee has a new club under the direction of an older 4-H member from Ohio. The meetings were held at the Methodist Church where most of the members were recruited from. Nineteen members are enrolled in the short term club.

Short Term Projects answer to Increased Enrollment

The short term project clubs have been the answer to the 4-H program in areas where it has been hard to expand the program. The Master Mix project has not only interested the 4-H'er but their mothers have also been keenly interested in what is being taught. The foods and clothing and knitting also have been used as short term projects with much success.

It is hard on both the extension staff and the leaders involved to keep boys and girls interested in a community club in new areas that the program is reaching. A short intensified program is being sought.

A short term entomology 4-H project club was organized again this year by the 4-H agent and a local key leader. This pilot project club was the first of its kind in Cochise County and the reason it was organized on a short term basis was availability of the leader, abundance of insects at time of organization and the 4-H entomology project club lends itself to a short term type project.

Eight 4-H'ers were enrolled in the project club and six members completed the seven meeting program. The first six meetings covered identification, collecting, labeling, displaying, life cycles and mounting. The final meeting was an achievement program in which each 4-H'er displayed their insect collection and talked about their collection.

4-H Club Membership in County Still Climbing

As can be seen on Charts #1 and #2, the adjusted 4-H enrollment at the end of the year was 536 4-H members. Enrollment as of January first was 661. This indicates that 19% of our enrollment did not complete the 1967 4-H club year. This loss is contriubuted to moving of family, lack of interest on 4-H member's part and inadequate leadership at the local club level in a few cases.

Chart #1 indicates 4-H club members ages, gender and distribution in the county. Note that the age groups with the highest enrollment are: first--10 year olds, second--12 year olds, and third--11 year olds. This is a change from 1966. In 1966, the age group with the highest enrollment was the 12 year olds. The 10 year old group in

1966 was in third place. This change is due to the recruitment of the 4-H agents in this age level group.

As can be seen by the January enrollment figure, Cochise County's 4-H enrollment is 30% higher than last year's January enrollment. The agent feels that this enrollment increase is due to several factors; namely, more staff help in an assistant home economist, 4-H membership drive, which alone accounts for 82 of the 143 new enrollees, better leader organization due to agent visits and consultations and the fact that 4-H in Cochise County is becoming well known and something to look up to. The short term projects play an important role also because we are enrolling 4-H boys, girls and leaders who otherwise could not belong. Our major problem is keeping older 4-H club members. Only five of our county 4-H membership are 18 years of age and older.

Chart #2 indicates the number of 4-H club members in their year of club work. Just over 52% of our 4-H club members are in their first and second year of club work. This is 13% lower than 1966.

These charts are designed to give the reader of this report an overall view of Cochise County enrollment situation.

Leadership Development

Key Leaders Essential in Promoting the 4-H Automotive Program

The 4-H Automotive program, a new innovation in Cochise County, got underway as a direct result of two key leaders from the county participating in an Auto Project Seminar held at the University of Arizona early in the 4-H club year. As a result of the training received by these two key leaders, Mr. Don Burnett of Elfrida and Mr. Roy Holland of Dos Cabezas, they were better prepared to understand the 4-H Automotive program and to determine its value in the County.

For the first time a 4-H Automotive Rodeo was conducted during the County Fair. The 4-H'ers and leaders involved have developed a keen interest in this project area.

Leaders Trained at County Activity Days

The county's nineteen major activity days are not only scheduled for the 4-H members but also for our 4-H leaders. Due to the expanse of Cochise County, it is difficult to have leaders travel to frequent meetings. Therefore, agricultural project subject matter training is done at the county's 4-H Activity Days for the leaders as well as the 4-H members. See Chart #4 for the location and attendance of County Activity Days.

4-H Horse Project Activities Revised

Twenty-one 4-H club leaders and interested parties attended a special meeting called by the chairman of the 4-H Horse Committee to discuss and adopt an adequate set of rules and regulations to govern all 4-H horse activities in Cochise County.

As a direct result of the leadership shown by the County 4-H Horse Committee and its chairman, Mr. Ladd Harlan of the Benson 4-H Club, the 4-H horse project in Cochise County should continue to grow and gain new learning experiences for the 4-H club members.

Home Economics Leader Training Given in Many Fields

Leader training has been given both on a group and an individual basis. With new 4-H leaders coming in all the time, most of the orientation and training has been done through home and office visits. Leaders guides were given and instruction for conducting project meetings.

Three area clothing training meetings were held for leaders responsible for Clothing-I through Clothing-IV projects. Twenty-eight leaders attended these meetings, at which time the agent reviewed care and use of the sewing machine and actual clothing construction details were demonstrated. Leaders were given sample materials to make illustrative materials to take home for teaching. Making a skirt, simple blouse, shorts, inserting a zipper and hemming was done by the leaders. The leaders made the illustrative materials suitable for their project group.

Project visits has been one way the assistant home economist has used to help both leaders and members. Schedules were set up with the help of the leaders to visit the 4-H home economics project meetings in the county. The leaders are so far very high on the program as it gives them a chance to personally talk to the extension agent. The 4-H'ers are asking a lot of questions about 4-H that have to go unanswered otherwise.

One area which received considerable attention was the area of judging. The County Fair was judged solely by lay people and leaders. The assistant home economist spent time with each leader in training her in the procedures of judging and judging techniques. The home economics division registration at the fair was handled by 4-H leaders. The leaders felt that this was a very profitable experience to them since they now know how a registration at the county fair is held. It gave them excellent training in handling their own program. The judges were: Foods--Mrs. Maggie Osborne, Mrs. Laura Burnett and Mrs. Carolyn Thomas; Clothing--Mrs. Peach Busenbark, Mrs. Margaret LaScola, and Mrs. Charlotte Romanoski; Home Management-Home Furnishings and Child Care--Mrs. Edna Green; and Knitting--Mrs. Lynn Hodnett.

Education Through Projects and Project Related Activities

Cochise County at a Glance

Charts #4 and #5 of this report were designed to give the reader a quick glance at Cochise County's 4-H program in regards to Activity Days and Training Meetings held. Chart #4 lists the county's major 4-H Workshops and Activity Days. The attendance and location of participants are marked so the reader may see at a glance how the 4-H program is spread out throughout the county.

Chart #5 lists all formal training meetings presented and areas where presented in the county.

All of the county's activity days are scheduled and organized so that member-leader subject matter can be taught. Each activity day is scheduled with a workshop period prior to the judging acitivity.

Special Workshops have been set up in Cochise County for recreation, judging and demonstrations. These workshops are open to members and leaders.

Cochise County 4-H Workshops are Vital Part of County 4-H Program

The County Workshops and Activity Days are true learning experiences for every 4-H member and leader. The Activity Days are started each year in January with the County-wide judging, recreation and demonstration workshops.

The judging workshop is designed for newer 4-H members and leaders, however, any member or leader may attend. The program acquaints the new members and leaders with the use of score cards, how judging rings are set up and their use as a teaching tool. During the workshop each individual is given the chance to participate in a judging exercise then they are asked to explain their reasons for the decision they made.

The recreation workshop is an innovation of the home economist and it has proved to be one of the most popular workshops in the county. The day's program deals with an explanation of recreation, how it can be used as an effective part of the 4-H meeting and new games and recreational activities are taught. The finale of the day is an outside tin can cookout for the entire group.

Our demonstration workshop is valuable to the total county 4-H program because demonstrations are some of the best teaching tools we have. Again this workshop is slanted toward the new members and leaders, however, all county members are urged to attend. The "Hows" and "Whys" of demonstrations are taught, then each member present is given a chance to develop his own simple demonstration.

There is a great deal of evidence to substantiate the validity of these workshops. 4-H members are becoming more proficient in giving good, organized, logical reasons at County Judging Days. The recreational program of our 4-H meetings and county camps have been enhanced by the extensive training received at the recreation workshop.

The number and quality of 4-H demonstrations are increasing. This is due to the self confidence and ability these 4-H'ers now have after attending the demonstration workshops.

County Recreation Workshop Attendance Grows

Not all growth is good! This has become evident in our County Recreation Workshop. Eighty-eight 4-H members and leaders attended the last workshop and it has become a county 4-H Fun Day instead of a workshop. Recreation, we feel in Cochise County, is a most important part of the County 4-H program. With well organized recreation within a club it can be an asset; unorganized, without skilled leadership, it can be a detriment. The primary purpose of the recreation workshop was to teach club recreation leaders and/or adult leaders in the aspects of organization and direction of new recreational devises. Our clientele now appears to be younger 4-H'ers eager to have a good time and not to take the program back to their club. Possibly next year the recreation workshop will be limited to a two- member per club, plus one leader, basis. The program will be open only to those desiring to act as recreation leaders in their own club.

County Judging Activity Day Provides Members and Leaders With Project Subject Matter Training

As can be noted on chart #4, there are 17 county 4-H judging days and workshops. Attendance figures and club representation are shown on the charts. Specific subject matter training is done at each of these judging days. Subjects include care, selection, management, marketing, feeding and nutrition, cultural practices and in the case of public speaking, critiques of each individual talk. Each activity day is designed as a learning experience, not just a judging day.

Leaders, businessmen, organizations and parents assist with these activity days. The involvement of these people is also a vital part of our 4-H program.

Cochise County 4-H Leader Council is Most Effective

The 4-H Leader Council has developed into an essential planning and valuable aid to the county 4-H club agents. Through effective leadership and training, this Council has proved to accept the responsibility in the 4-H club program. All the standing committees within the Council function adequately and efficiently and adequate time is given to each committee for its suggestions for making an effective 4-H club program in Cochise County.

The 4-H club members and agents of Cochise County are most fortunate to have dedicated service and efficient people involved in their 4-H club program.

Junior Leaders Very Active in All Phases of Program

The Cochise County Junior Leaders have been very active this year throughout the county. They helped celebrate National 4-H Club Week, spoke to various service clubs and the Arizona Farm Bureau Convention on 4-H and its contribution to society. Six junior leaders traveled to Pinal County with the assistant home economist to attend a tri-county campout during the spring.

They also conducted their own campout. This event was held in Rucker Canyon with guest Pima County participating. Experience in handling their own program was evident since the boys and girls conducted the program from buying food to gathering equipment. Forty-five campers and eleven leaders weathered the week-end.

The Junior Leaders were also in charge of the annual Achievement Night held in November.

Cochise County Poultry Processing Workshop Appeared Popular

A new workshop was requested in the county by 4-H leaders involved with the poultry program. At the John Payne farm in Cochise, the agricultural agent put on a poultry processing demonstration for 4-H club members and leaders. The purpose of the workshop was to familiarize 4-H club members with processing and packaging their poultry for home consumption and for sale.

The agricultural agent gave demonstrations on three different methods of killing the poultry, scalding the chickens and then how to pick the poultry, draw it, chill it and then package it for home use and for sale. Our poultry program in Cochise County is on the increase and several of the 4-H club members have broiler projects or home flocks and there is a great deal of interest in the proper methods of processing poultry. There were twelve 4-H club members and three leaders attending this workshop.

Community Project Tour

The leader of the Kansas Settlement 4-H club, Max Green, had arranged for a county wide project tour with the 4-H club members in his club. The agent and the leader traveled throughout the community to visit every club member and observe their 4-H projects.

This agent was most pleased with the project tour and certainly gave the agent an excellent idea of the 4-H club work that is being conducted by this 4-H club leader and his club members. It is the hope of this agent that the project tours can start throughout the county.

4-H Beef Demonstration Program Brand New for Cochise County

This was Cochise County's first try at the program. Sixteen 4-H members gave demonstrations. The program was co-sponsored by the Willcox Cowbelles. The Cowbelles were responsible for setting the place, time and locating the judges for the event.

The Cowbelle president, Mrs. Don Burnett, requested that the Senior and Junior winners present their demonstrations at the next Cowbelles meeting.

Robin Holland of the Dos Cabezas 4-H Club was the senior winner and Barbara Klump of the Willcox Up & Comers 4-H Club was the junior winner.

4-H Tractor Rodeo

Eleven 4-H boys and eight fathers participated in this annual event. This is one of the activity days in the county where the county agent has little to do in the way of organization and teaching. This job is done very well by two tractor leaders in the Kansas Settlement 4-H club. These leaders are responsible for locating the site, the equipment, judges and setting up the course. They do a superb job. This year an official 4-H jacket was presented to the highest point senior member and the highest point junior member. These awards were set up by the two leaders assisting with the Tractor Rodeo. There were two Tractor Rodeos held this year in Cochise County.

The leaders felt that if the Tractor Rodeo was held at the County Fair there would be more interest generated and the boys would have had a full summer of tractor driving behind them in which to practice.

It appears that due to Federal legislation this 4-H club activity is on the way out.

4-H Home Economics

4-H Foods

Favorite Food Participants Enjoy Large Crowds

Over 500 people from Cochise County became acquainted with the 4-H Favorite Foods Shows held in four locations in the county. The shows were held in conjunction with the Sulphur Springs Valley Electric Cooperative regional meetings. A total of 52 boys and girls entered the contest. This is a tremendous opportunity to present the real 4-H picture to the public. There is nothing more effective than showing boys and girls at work along with the results of their 4-H work.

Silver cups were presented to winners as follows: McNeal--Molly Price, Jean Urquhart and Kathleen McDaniel, Willcox--Alice Evans, Leta Jean Snyder and Robin Holland, Benson--Kathy Gillingham, Toni Griffo and Donna Goodman, and Sierra Vista--Jim Parrott, Ashlie Landers and Kay Christian.

Master Mix Pilot Club 100% Completion

The Master Mix project, written up by the assistant home economist, and the Cooperative Extension Nutrition Specialist, was introduced to a group of Willcox girls by the assistant home economist and Mrs. Kay Rademacher, leader of the pilot club. Twelve girls enrolled in the project and twelve completed.

A series of seven meetings were held in which the girls experimented with the Master Mix with the workshop method and demonstration method prevailing. The final meeting was Achievement Night in which all parents attended and were treated to various goodies made by the girls.

The project was a short term project and it is the hope of the assistant home economist that the project can be used by more of the foods leaders.

4-H Home Management-Home Furnishings Enrollment Small

There has been a noticeable lack of interest in this project on both the part of the members and the leaders. If leaders can be recruited there is no doubt that there would be an increase in enrollment. The assistant home economist did meet with other agents and leaders to evaluate the project and to see the problem and what can be done to interest the boys and girls in the project.

45 Girls Modeled at Dress Revue in Tombstone

The 4-H Dress Revue was again planned by the members of the Home Economics Committee. Chairman of the committee was Mrs. Elizabeth Bovell of Tombstone. Judging was done by the 4-H'ers themselves. There were both junior and senior classes with the winners of the senior class representing Cochise County at the State Dress Revue in Phoenix.

The Dress Revue also had a class of girls who modeled the garment that they had knitted during the year.

The commentator for the Dress Revue was Mrs. Elizabeth Bovell.

Events

4-H Camp

Cochise County, for the first time in its camping history, camped with three other counties at our annual 4-H camp. The other counties involved were Santa Cruz county, Graham county and Gila county. A total of 142 campers plus ten adult staff members participated in the camp. A full camping program consisting of crafts (mainly paper mache work), an overnight campout, a nature study hike along with the help of the Forest Service personnel, a trip over to the Southwest Research Lab to observe the facilities there and a trip up to the Crystal Caves to explore the caves was on the agenda.

The camp of 142 campers is a little difficult to maintain with the facilities at Pine Canyon Methodist Camp. There are only cabins with beds available for 108 campers including staff. This year there were enough girls to fill up all the cabins and the boys stayed in what was designated as the old dining hall, slept on the concrete floor with mattresses under them that were acquired from the Methodist Camp. Other than that inconvenience, the camp ran very smoothly. The agent thought the camp program was one of the best we have had yet. Year after year we continually strive to evaluate our camps and make them stronger. This was a six-day camp. It started on Monday afternoon, June 5, and camp broke up after breakfast on Saturday morning.

Cochise County Fair Important to 4-H Club Program

Leader help was sufficient at the County Fair this year as far as agricultural exhibits were concerned. Superintendents of the various divisions did an outstanding job in accepting the exhibits as they came already pre-registered. In the agricultural division alone at the Cochise County Fair, 198 4-H exhibitors exhibited some 477 different exhibits. With this total number of exhibits, it is very difficult to handle it any other way than with pre-registration.

The home economics division registration was handled at the fair this year by the 4-H leaders. This was done to eliminate work for the extension secretaries and to give the leaders an insight on how a fair is handled. This was the first year to try this and although there can be improvement in organization, it was a success in that it did unload a lot of work from the extension staff. In the home economics division 165 exhibitors exhibited 384 exhibits.

The agricultural agent also observed at the Cochise County Fair the fine cooperation among all the 4-H club leaders and members involved in the fair and the enthusiasm that the Cochise County people show for County Fairs. The agent thought that this year's fair was outstanding. 4-H exhibits were up in both quality and quantity.

4-H Roundup

Cochise County had a total of 22 girls, three women leaders, one woman agent, 16 boys, one man agent and one man leader at 1967 State 4-H Roundup. This was Cochise County's largest delegation to Roundup and Cochise County received three Shield and Clover winners--Leta Jean Snyder of the Kansas Settlement 4-H club won in Home Management-Home Furnishings judging, Mr. Cliff Morgan of the Pearce Go-Getters 4-H club won in Entomology judging and Beef Showmanship Shield and Clover went to Robin Holland. Joe Bidegain was Robin's assistant in showmanship. Robin Holland is from the Dos Cabezas 4-H club and Joe Bidegain from the Benson 4-H club.

Junior Leader Campout Assists Two Counties

Cochise and Pima Counties combined efforts to promote an exchange of ideas and fellowship between the junior leaders of these two counties. The program was held over three days and two nights at the Rucker Canyon Park site approximately 50 miles southeast of Willcox.

The campout was organized and promoted between the assistant home economist of Cochise County and the assistant agricultural agent in Pima County. Some 60 4-H junior leaders, leaders and state office personnel were associated at the campout.

Cochise County 4-H Citizenship Alumni are Active

A new organization in 4-H circles has been inducted in the State of Arizona. It is known as the National Citizenship Short Course Alumni Association. Its purpose is to assist and encourage greater participation in the 4-H citizenship program by serving as coordinating group through which ideas can be communicated. The first and primary objective of the organization shall be to inform the general public of their own experiences in citizenship training and inspire wide spread good citizenship activities and practices.

The second objective of the organization shall be to instigate and develop action programs within local communities and within the State of Arizona.

The Cochise County 4-H delegation to the Citizenship Short Course at Washington, D. C. was responsible for drawing up the constitution and by-laws for this organization.

County Citizenship Committee Judges 4-H Record Books

During the past three years the County 4-H Citizenship Committee, made up of five adult leaders, have judged our county record books. This committee functions well. Their responsibility is to review all record books and score each of them on a prepared record book score sheet. The committee then recommends those records that could qualify for County or State awards. Final selection of record books for County and State awards is left up to the agents. A record number of 4-H record books were received this year. This was due to the call placed by the agents to have all 4-H club members turn in record books.

Seventeen books were sent to the State for consideration for State awards.

County 4-H Achievement Program

Over 230 members, leaders and friends of 4-H participated in the annual achievement night held in Tombstone. The junior leaders with the assistant home economist assisting were in charge of the program and were responsible for the decoration, program and organization.

The "Friend of 4-H" award was presented to Mr. Les Pinson, manager of Sulphur Springs Valley Electric Cooperative. The outstanding boy and girl awards went to Penny Burnett and Ab Jackson who were very deserving of the awards. County medals, fair trophies and state winners were presented to the audience. All in all it was a very rewarding night and it showed the enthusiasm of Cochise County 4-H.

CURE Camp New for Cochise County

The agricultural agent attended a meeting in Bisbee of the CURE organization (Cochise United Recovery Enterprise). Mr. Edward L. Madrid is the executive director of the community action program. This CURE organization is funded by federal funds and is responsible for assisting underprivileged people.

This extension office in Willcox has been most cooperative in assisting these people with their programs, particularly this agent in developing a camping program which this organization is trying to develop within the county. The first organization meeting was held at Bisbee. The purpose of the meeting was to outline the goals and objectives for a camp for 100 underprivileged boys and girls in Cochise County; to develop a camping program that would stimulate them and encourage them to join other youth organizations and to give these boys and girls a camping and learning experience away from home. The date for the camp was scheduled for July 17 through July 22 at the Pine Canyon Methodist Camp in the Chiricahua Mountains.

Youth Conservation Camp

The 4-H club agent, again was responsible for recruiting and promoting the Youth Conservation Camp in Cochise County. The purpose of the camp is to instill in young men a desire to learn and practice conservation practices that will benefit them and their county. A total of 13 boys from Cochise County received scholarships to the Youth Conservation Camp.

The Work Unit Conservationist, Mr. Vic Evans, Jr, is most cooperative and helpful in promoting and assisting with the youth camp.

Assistant Home Economist Presents Awards to Youth

The assistant home economist, as the student liaison representative for the University of Arizona, presented the Alumni Awards to the outstanding boy and girl at Willcox High School. This was a real good opportunity to become acquainted with the youth in the area.

Chart #1

AGES OF 4-H MEMBERS IN EACH CLUB IN THE COUNTY ACCORDING TO AGE AND SEX

CLUB	9 yrs.		10 yrs.		11 yrs.		12 yrs.		13 yrs.		14 yrs.		15 yrs.		16 yrs.		17 yrs.		18 yrs.		TOTALS	
	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G
Benson	1	0	1	1	1	0	1	0	2	0	0	2	1	0	3	0	0	0	0	0	10	3
Bisbee Riders	1	1	2	11	3	3	2	10	1	4	0	3	3	3	0	2	1	0	1	0	14	37
Bisbee Jct.	3	0	1	7	1	2	5	0	4	0	0	0	1	1	0	1	0	0	0	0	15	12
Bowie	2	6	0	3	0	3	0	2	0	2											2	16
Cochise	2	1	2	1	2	1	2	1													8	4
Dos Cabezas	0	0	0	1	1	0	2	0	1	1			1	1							5	3
Double Adobe	0	2	5	5	4	3	5	3	2	4	2	2	2	2	1	0	1	1	0	1	22	23
Douglas Apache	0	3	0	3	3	2	4	2	1	2	1	2	2	0	3	0			0	1	14	15
Douglas City	1	0	1	2	2	0	0	0	1	1	1	2	2	0	0	0	0	0	0	1	8	6
Elfrida	1	2	8	2	1	6	7	7	3	9	4	5	3	3	3	1	0	3	0	0	30	38
Frontier	2	0	0	0	1	0	2	0	2	1	2	0	0	3	0	1	0	1	0	0	9	6
Kansas Settlement	3	1	2	1	3	2	2	2	0	2	0	2	0	1	1	1	0	0	1	0	12	12
Palomar	1	0	2	0	0	3	0	1	1	3	1	1	0	1	1	1	0	1	0	0	6	11
Pearce	0	1	0	0	1	0	1	1	2	3	0	0	0	1	0	0	1	1	0	0	5	7
Portal	1	3	1	0	1	1	2	1	1	0	1	1	0	2	1	0	0	0	0	0	8	8
St. David	1	4	2	11	4	4	4	3	1	5	0	1	1	0	0	0	0	0	0	0	13	28
Sierra Vista					0	2					0	2	0	2							0	6
Tombstone	4	4	5	5	1	3	3	3	2	2	2	2	2	0							19	19
Warren	0	4	0	3	0	2															0	9
Willcox	3	13	3	5	4	8	1	9	1	4	4	8	2	2	3	2	0	1			19	54
TOTALS	26	45	35	61	33	45	43	45	25	43	18	33	20	22	16	10	3	8	2	3	221	315

Chart #2

Year in 4-H Club Work	1st. Year		2nd. Year		3rd Year		4th Year		5th Year		6th Year & Above		Total		Grand Total
	B	G	B	G	B	G	B	G	B	G	B	G	B	G	
Benson	3	1	1	1	2			1		1	3		9	4	13
Bisbee Junction	12	2	2	4	2	3						2	16	11	27
Bisbee Riders	6	15	1	9	2	6	1	4	4	3			14	37	51
Bowie	2	16											2	16	18
Cochise	4	3	4	0	0	1							8	4	12
Dos Cabezas	1	1			4	0	0	1			0	1	5	3	8
Double Adobe	7	5	4	6	8	5	1	3	1	1	2	2	23	22	45
Douglas Apache	4	9	6	3	4	1	1	0			0	1	15	14	29
Douglas City	1	3	2	1	3	0			1	1	1	1	8	6	14
Elfrida	9	9	11	5	2	8	1	5	4	5	3	6	30	38	68
Frontier	3	0	2	0	2	0	1	1	1	2	0	3	9	6	15
Kansas Settlement	5	6	2	0	3	1	0	1	0	3	2	1	12	12	24
Palomar	2	2	1	1	0	1	2	4	1	0	0	3	6	11	17
Pearce	2	2			3	3	0	1			0	1	5	7	12
Portal	3	3	5	3	0	2							8	8	16
St. David	6	16	4	9	2	0	0	3			1	0	13	28	41
Sierra Vista	0	5					0	1					0	6	6
Tombstone	11	16	5	5	0	1							19	19	38
Warren	0	9											0	9	9
Willcox	7	38	3	1	4	3	0	6	7	0	1	3	22	51	73
TOTALS	94	155	53	48	41	35	7	31	19	16	13	24	224	312	536
Combined Totals	249		101		76		38		35		37		536		536

SIGNIFICANT FACTS ABOUT 4-H COMPARED WITH PREVIOUS YEARS

Cochise County

Chart #3

Year	1963	1964	1965	1966	1967
Enrollment by Projects	845	967	1011	1187	1420
Completions by Projects	591	622	685	752	1071
Individuals Enrolled	405	454	450	502	661
Individuals Completed	308	374	334	379	536
Days Spent on 4-H by County Staff	401	515	331	434	311
% Completed	76%	89%	74%	73%	81%

In Cochise County 81% of our enrollment completed their projects during the 4-H year. 536 boys and girls completed some 1071 agricultural, home economics and other projects.

ATTENDANCE & DISTRIBUTION OF COCHISE COUNTY 4-H MEMBERS AND LEADERS RECEIVING TRAINING AT COUNTY ACTIVITY DAYS Chart #4

COUNTY EVENT	Attendance	Benson	Bisbee	Bowie	Cochise	Dos Cabezas	Double Adobe	Douglas	Elfrida	Frontier	K. Settlement	Palomar	Pearce	Portal	St. David	Sierra Vista	Tombstone	Willcox
Judging Workshop	65	x	x		x	x	x	x	x		x		x	x	x		x	x
Recreation Workshop	88	x	x	x	x	x	x	x	x	x	x		x		x	x	x	x
Livestock Activity Day	142		x			x	x	x	x	x	x		x		x		x	x
Poultry Activity Day	17	x	x												x			
Horse Activity Day	105	x	x			x	x	x	x	x	x	x					x	x
Demonstration Workshop																		
Tractor Rodeo	18	x									x							x
Demonstration Day	80	x	x			x	x		x		x		x		x			x
Agricultural Judging Day	39					x	x		x		x				x			x
Beef Demonstration Day	28	x	x			x			x		x				x		x	x
Public Speaking Contest	26								x		x	x			x		x	x
4-H Camp	152	x	x			x	x	x	x		x	x	x		x	x		x
Poultry Processing Workshop	15	x	x		x				x									
Junior Leader Campout	60		x			x	x	x	x	x	x				x			x
Entomology Workshop	19	x	x															
Horse and Lamb Showmanship	33	x	x			x	x	x	x		x		x		x			x
Home Economics Activity Day	39		x				x	x	x		x		x		x			x
4-H Dress Revue	45		x		x	x	x	x	x	x	x		x		x	x		x
4-H Favorite Foods Show	52	x				x	x	x	x		x	x			x	x	x	x
TOTALS	1051	13	14	1	4	13	13	10	16	6	16	4	9	1	15	4	8	16

MEETINGS AT WHICH 4-H AGENTS PRESENT EDUCATIONAL INFORMATION
EXCLUDING COUNTY ACTIVITY DAYS

Chart #5

Subject	Attendance	No. Meetings	Benson	Bisbee	Bowie	Cochise	Dos Cabezas	Double Adobe	Douglas	Elfrida	Frontier	K. Settlement	Palomar	Pearce	St. David	San Simon	Sierra Vista	Tombstone	Willcox	Out of County
4-H Leader Council Meeting	125	6	1				1	1	1					1					1	
4-H Club Organization meeting	233	13		3	1	2		1				2						1	3	
State Electric Cooperative Meeting	35	1																		1
City Council Meeting on 4-H Program	52	1		1																
4-H Horse Program Evaluation	25	2	2																	
Kiwanis Club "This is 4-H"	48	1		1																
Bowie Lions Club	18	1			1															
4-H Demonstration Judging	100	2																		2
Farm Bureau-Civil Defense	12	1																	1	
4-H Camp Organization	6	1																	1	
4-H Club Tour	21	1										1								
CURE Camp Organization	18	2		1															1	
Poultry Debeaking Demonstration	7	2				1				1										
Citizenship Development	25	4								1									3	
4-H Roundup Orientation	50	1												1						
4-H Records Training	38	5		1		1	1						1						1	
4-H Roundup	350	1																		1
Report on Youth Conservation Camp	4	1																	1	
Civil Defense Meeting	14	1																	1	
Arizona Hereford Junior Field Day	350	1												1						
4-H Livestock Training Meeting	40	8	1	1		1		1		2		1						1		
4-H Junior Leader Council	60	5							1	1		1							2	
TOTALS	1631	61	4	8	2	5	2	3	2	5		5	1	3				2	15	4

4-H PROJECT ENROLLMENTS AND COMPLETIONS

Cochise County

Chart #6

	1964		1965		1966		1967	
Projects	Enrol.	Comp.	Enrol.	Comp.	Enrol.	Comp.	Enrol.	Comp.
AC/L Leathercraft	69	29	31	14	24	10	28	16
AC/P Photography	6	--	--	--	2	2	15	6
AC/WW Woodworking	3	--	12	1	2	0	5	5
AC/Ceramics & Other	6	4	10	7	20	0	40	34
AC/Rocks	1	1	27	7	9	6	4	2
AC/Gun Safety	11	9	45	25	32	0	9	9
AS/B Br.	--	--	--	--	--	--	8	8
AS/Beef	97	80	84	71	100	66	98	81
AS/D Dairy	6	4	8	6	7	7	4	4
AS/D Dog	--	--	--	--	--	--	--	--
AS/G Goats	7	6	4	3	2	2	4	1
AS/H Horses	99	49	94	70	112	83	103	93
AS/P Poultry	22	17	27	23	23	19	22	22
AS/R Rabbits	11	5	4	3	10	2	25	7
AS/S Sheep	37	31	61	44	86	52	66	51
AS/SW Swine	18	21	14	10	21	15	32	19
AS/ Pigeons	--	--	--	--	--	--	3	3
ENG/A Automotive	4	1	1	1	13	9	28	14
ENG/E Electric	30	19	59	38	42	35	82	39
ENG/T Tractor	17	14	16	12	31	20	18	13
ENG/E Welding	--	--	18	10	4	4	2	2
ENT/B Bees	--	--	1	1	2	0	1	1
ENT/ENT Entomology	37	25	35	22	56	25	54	35
FL/C Clothing	135	82	156	104	148	89	201	154
FL/CKN Knitting	--	--	--	--	44	36	75	57

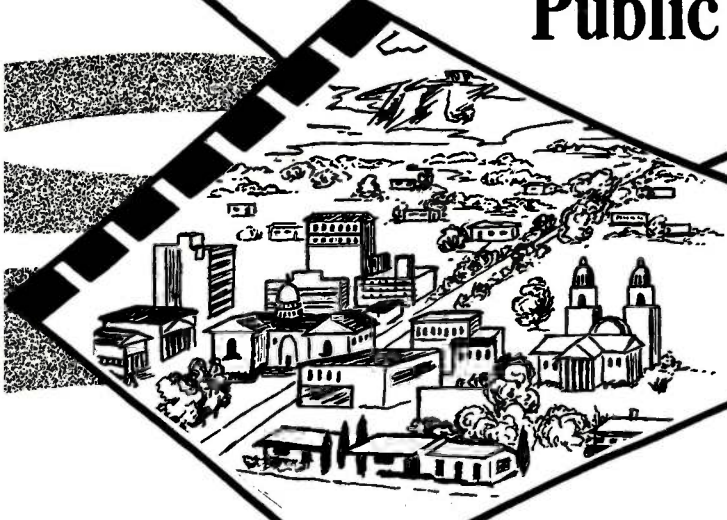
	1964		1965		1966		1967	
Projects	Enrol.	Comp.	Enrol.	Comp.	Enrol.	Comp.	Enrol.	Comp.
FL/FCD Family & Child Development	--	--	--	--	18	12	33	16
FL/FNP Food Prep.	165	120	140	112	178	122	259	210
FL/FNC Canning	--	--	3	2	2	1	--	--
FL/FNF Freezing	7	4	4	3	3	4	2	2
FL/FNOD Outdoor Cookery	54	18	45	18	72	44	35	34
FL/HMHF Home Mgmt. Home Furnishings	13	10	9	7	15	10	19	8
NR/RM Range Mgmt.	--	--	--	--	3	3	7	7
PS/C Crops	14	8	6	5	7	3	5	4
PS/G Garden	31	25	23	20	24	19	40	30
PS/HG Home Beaut.	17	10	5	4	11	4	6	6
PS/PS Plant Science		--	--	--	--	--	23	23
JL/ Junior Leader	44	28	60	37	66	48	70	55
TOTALS	961	620	1011	685	1187	752	1420	1071

ADULT 4-H LEADER COMPLETION BY YEARS AND SEX

Chart #7

	1st Yr.		2nd Yr.		3rd Yr.		4th Yr.		5th Yr.		Over 5 Yrs.		TOTAL	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Benson	2	2			1	1	1	1			1	1	5	5
Bisbee Riders	3	4	1	1	2	1	1	0	0	1			7	7
Bisbee Junction	3	0									0	1	3	1
Bowie	1	2											1	2
Cochise	3	3		2							1	0	4	5
Dos Cabezas	1	0					1	2					2	2
Double Adobe	3	5		3	1	0					0	2	4	10
Douglas Apache					1	1							1	1
Douglas City	0	1	1	0			1	0			1	1	3	2
Elfrida	0	4	1	2	0	2	2	2	1	1	2	2	6	13
Frontier					0	1					0	2	0	3
K. Settlement	3	1			0	1					1	1	4	3
Palomar	3	2					0	1			0	2	3	5
Pearce	1	2	0	1							2	2	3	5
Portal	1	1	0	4									1	5
Sierra Vista	0	1											0	1
St. David	1	3	1	1	0	1			1	0	1	2	4	7
Tombstone	2	2	0	2									2	4
Warren	0	1											0	1
Willcox	2	4					1	0	0	1	1	0	4	5
Totals	29	38	4	16	5	8	7	6	2	3	10	16	57	87
Combined Totals	67		20		13		13		5		26		144	

Community Improvement & Public Affairs



Cooperative Extension Helps Citizens . . .

- --Develop community leadership
- --Develop understanding of public issues and policies
- --Improve community environment
- --Improve economic opportunities through the analysis and development of the communities human, natural, and economic resources.

VII. COMMUNITY IMPROVEMENT AND PUBLIC AFFAIRS

Partners in Progress . . . HOMEOWNERS AND COMMUNITIES ASSISTED IN PLANNING AND CONDUCTING THEIR IMPROVEMENT PROJECTS

Landscaping

A major part of the work in landscaping was done with the assistance of Harvey F. Tate, Extension Horticulturist. This has included working with those responsible for grounds at Bisbee and Sierra Vista Schools, Cochise College, and with parks at Willcox and Pomerene.

Other work includes talks before Homemaker and Garden Clubs on landscaping. The Agent has prepared two sets of slides, taken in the county, for use at such meetings. One is on trees and shrubs including roses, and the other is on flowering plants other than roses.

Mosquito Control

The Agricultural Agent attended a meeting of the County Health Board with Sanitarians of various areas in the county and others interested, at the old Bisbee High School Building, February 9. The meeting was called by Dr. Stickler, Head of the Cochise County Health Department, in order to make preliminary plans for organizing a mosquito control program for the county.

A meeting of approximately 35 people from various areas of Cochise County was held in the Administration Building at Sunsites, Pearce, Arizona, in March, to discuss the problems of Western Equine Encephalitis. Virus of this disease is carried by the C. Tarsalis Mosquito.

The Citizens Advisory Committee was formed and held its first meeting under the Chairmanship of Mr. Keble Perine, a retired Health Officer, now deceased. The committee met on the third Monday of each month the remainder of the year.

The 1967 Encephalitis Control Program began April 1st, with Mr. John Bates, Sanitarian, directing it. The attack was on the mosquito, particularly the water living wigglers (larvae).

Last year in Cochise County there was a total of eleven human cases; seven children, and four adults; with two deaths, one a 4-year old boy, the other an adult. Also, a total of 28 sick horses; 20 lived and 8 died.

In summarizing the committee feeling about all the time that had been spent in meeting each month in different areas of the county, we made people aware of the mosquito problem, taught them measures to control mosquitoes and as to date, there have been no encephalitis cases reported in Cochise County this year. It is the feeling of the committee that they have served their purpose and so, possibly, will disband at the end of the year.

Many individuals have been a part of the program during the past year; Dr. John M. Black of the State Health Department, who administers the use of equipment for the State; Dr. Goodman from the State Board of Health; Dr. Stickler, County Health Officer; our own State Highway Commissioner, Peter Wilharm; Dr. Esesarpi of Agua Prieta; the County Health Nurses; Dr. John Cleary from Ft. Huachuca, and others who have contributed to the program. Mosquitoes are a problem in some areas of the county but in most places they have been under control in 1967.

Information on mosquito control was prepared for press and radio releases by the Cooperative Extension Service Office. Also, information was supplied in circular letters prepared by the Extension Home Economist and Agricultural Agent. Meetings of the Citizens Advisory Committee were regularly attended by at least one representative of the Extension Service Office. The Extension Home Economist was most active in the work with the committee. Allan Halderman, Irrigation Engineer, William E. Larsen, Extension Engineer, and J. N. Roney, Extension Entomologist, University of Arizona, worked with the Agent May 24th.

The situation with regard to control of tail water relative to the mosquito problem was observed in a major part of the Kansas Settlement and the Elfrida area Northeast of Elfrida. Ways of making the publicity more effective in the mosquito control program were discussed.

Two hundred ninety-eight "Irrigation Tailwater System" publications, prepared by Allan Halderman, and 138 copies of the USDA bulletin, "Mosquito Prevention On Farms", were mailed to farmers during the month of May.

A Foreign Student Receives Training in Cochise County

Miss Beatrice Onyejeli, a senior at the University of Arizona, spent one month with the Extension Home Economist as her supervisor. Betty, as she is know to all of us, was a well qualified, energetic and pleasant young lady from Nigeria, who shared her culture with us. She met the responsibilities and objectives that has been set for her in her field experience in the county. Following are the objectives that were hers to reach:

COMPREHENDS the overall organization and operation of the Cooperative Extension program at state, county and local levels.

COMPREHENDS the ultimate purpose of the Home Economist Extension program.

IS COMMITTED to work for the achievement of the ultimate purpose of the Home Economics Extension program.

IS ABLE TO IDENTIFY needs, problems, and interests of individuals and groups which can serve as basis for establishing specific goals for county and local Home Economics Extension programs.

ANALYZES the relation between the ultimate objective of the field of home economics and the specific purposes of a county Home Economics Extension program.

COMPREHENDS how Extension personnel in the state, county and local community work together in program development.

IS ABLE TO PLAN for educational work with individuals and groups in Home Economics Extension in light of the purposes of home economics, community conditions, individual difference, and learning theory.

GAINS SATISFACTION from developing plans for teaching extension.

IS ABLE TO USE a variety of learning experiences, teaching materials, and evaluation techniques in a variety of informal educational settings.

IS EAGER TO TRY OUT different kinds of learning experiences, teaching materials, and evaluation techniques in working with individuals and groups in extension.

COMPREHENDS how mass media can be used to achieve educational purposes in the Home Economics Extension program.

COMPREHENDS the role of the professional home economist in developing effective lay leaders.

IS COMMITTED to work with lay leaders to utilize their talents and improve their educational competence.

COMPREHENDS how the Home Economics Extension program is financed at state, county, and local levels.

COMPREHENDS the role of records and reports in the Home Economics Extension program.

COMPREHENDS how Home Economics Extension personnel can cooperate with other agencies and institutions in community development programs.

IS ABLE TO USE rational thought processes in thinking about Home Economics Extension programs.

GAINS SATISFACTION from using rational thought processes to solve problems in Home Economics Extension.

VIII. SUMMARY, OUTLOOK AND RECOMMENDATIONS

Emphasis on efficiency in producing and marketing agricultural products continues to be of high priority in planning and conducting the program in Agriculture. In looking forward, it appears that the 1968 program should include further work in field tests on varieties and cultural practices with crops that are important now, as well as attempting to find others that may improve farmer income.

More efficient use of water is becoming more important as the available supply decreases. This will continue the need for greater effort in conduct of the extension program for improvement in the use of this resource.

Further progress in marketing of cattle and cotton can be planned for with follow-up meetings such as were held in 1967, in several communities in the county. Grower interest in this information may be used as a guide in determining the extent of this work.

Community Improvement and Resource Development appears to be a phase of the program that may demand more attention as the population of the county continues to increase. The problems resulting from increase in size of the cities as well as subdivisions continuing to grow in rural areas seems to deserve more attention in county planning. The extension program here, as in other areas, can only develop as the need is realized by the citizens. Present emphasis in the program may be planned to create awareness of this need.

Family Living

Future programs planned are:

1. Weekly radio program on Radio Station KHIL, Willcox
2. Special interest meetings on insurance
3. Homemaker schools for disadvantaged persons - clothing
4. Weekly news columns in five newspapers
5. Color workshops

County Roundup New for Cochise County

At the April Leader Council meeting, it was brought up by several 4-H club leaders, the possibility of holding a county roundup instead of separate activity days for the county 4-H club program. This was discussed at some length at the Leader Council meeting and was brought to a motion and proposed by a 4-H club leader to advise all the leaders in Cochise County of a two-day county roundup program and send out a questionnaire determining whether they would: favor one; not favor one; indifferent; or undecided.

A copy of the minutes of the meeting was sent to each of the leaders involved, along with a letter by this agricultural agent, discussing the pros and cons of county 4-H roundup. Along with this letter, a return questionnaire card was enclosed and these cards are now back in the office and have been tabulated by the Agricultural Agent.

It appears that next year Cochise County will be holding a two-day county roundup for its contestants. It will be impossible to do any teaching at a roundup event like this. It will simply be a program where contests, dress revues, demonstrations, and public speeches, can be seen, heard and judged. The favoritism ran approximately five to one in favor of a two-day county roundup. Three-fourths of the questionnaires stated they are in favor of a two-day county roundup as it eliminates competition with other activities in the county and does not take up as much time as having an activity every week-end. In past years Cochise County has started its activities in January and ran through May with generally a demonstration or workshop most every Saturday.

The Agent strongly recommends that records be kept and evaluated in regards to the extent of county participation in this type of program. Unless a substantial increase in participation in this activity results, the Agent would recommend a report with facts be submitted to the 4-H Leader Council with a recommendation for a return to separate activity days.