

ANNUAL NARRATIVE REPORT
OF
MISS MARGARET BILLINGSLEY
COUNTY HOME DEMONSTRATION AGENT
GREENLEE COUNTY
ARIZONA

From December 1, 1945, to November 30, 1946

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III. SUMMARY

A. Narrative

Home beautification has been the outstanding project in the Greenlee County for the year 1946. Seven communities have been touched by this program, but Duncan, Franklin, L ntville and the surrounding valley have been most active. Results have already been evident. The accompanying pictures show the homes before work was started. Next year we hope to present pictures showing improvement. The negetatives of the pictures taken at the end of the summer were not good and frost came before more pictures were taken. Therefore, result pictures will be in next years report.

Mr. Harvey Tate, Horticulturist at the University, has been the authority for this work. Eight homes and two schools offered to be the demonstration grounds. All eight individual homes and one school have shown considerable improvement. The other school has done a good clean up job, but due to the lack of water has not been able to start plantings. Community and church organizations are cooperating in this effort.

The campaign to provide fluorine free drinking water has been continued. Extension Service has made the people conscious of the problem and will continue to assist wherever possible. The citizens are now taking over and trying to bring about the adoption of a precipitation method of removing the fluorine.

Housing seems to be the coming project. Plans are made to do more on this. During the past year interest groups have studied storage, home plans, and furnishings. Assistance has been given to the individuals regarding remodeling, painting, refinishing furniture, and in planning homes.

All seven communities in the long narrow county of Greenlee have been served through the Extension Service. As the Home Demonstration Agent works in two counties, Graham and Greenlee, only about one sixth of her time was spent in Greenlee; however, she was able to visit every community and to give special emphasis to the work in the agricultural area of the county.

The program has been carried through three organized homemakers clubs, four church, and four club groups; then, there have been interest groups in three of the communities. Homemakers have also been contacted through the county paper, the Copper Era, and by mail. Through personal contact and individual requests much educational work has been done. The school, P.T.A., Woman's Club, Rotary Club, and church groups have cooperated by requesting the service of the Home Demonstration Agent and through the generosity of their buildings and other equipment. These groups have responded to special campaigns and are taking an active part in the home beautification and fluorine projects.

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III. SUMMARY

A. Narrative Cont'd.

The work of 4-H clubs have been active only in the southern and agricultural part of the county.

Due to the lack of leadership only three clubs were organized during the year and one completed. In two cases leaders had to resign due to illness.

Specialists from the University have assisted, having spent six and one-half days, in the county.

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III. SUMMARY

B. Statistics

Months in Service	<u>12</u>
Days in Greenlee County	<u>47-1/2</u>
Days in Field	<u>31</u>
Days in Office	<u>16-1/2</u>
Home Visits	<u>176</u>
Different Homes Visited	<u>152</u>
Office Calls	<u>209</u>
Telephone Calls	<u>70</u>
Letters Written	<u>285</u>
Circular Letters	<u>9</u>
Copies of Circular Letters	<u>1223</u>
News Articles	<u>47</u>
Radio Talks	<u>8</u>
Bulletins Distributed	<u>1593</u>
Demonstrations Given	<u>31</u>
Demonstration Attendance	<u>730</u>
Other Extension Meetings	<u>33</u>
Total Attendance	<u>1164</u>
Auto Miles Traveled	<u>3432</u>
Specialists in Greenlee County	<u>6-1/2</u>

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IV. PROJECT ACTIVITIES AND RESULTS

A. Extension Organization and Planning

1. Adult Organization

The seven communities of Greenlee County have been contacted personally as well as by mail and newspaper.

The Blue area located in the mountains, which is very hard to reach, was visited for the first time by this Agent. The river was forded thirty-two times on this trip. These cattle growers are served mostly by mail and from time to time they make calls at the office when they are in town.

The Eagle Creek area, which is more accessible, has a homemakers club which has regular monthly meetings. The Agent made three trips to the community during the year.

Often planned visits have to be called off because of inclement weather, as roads are impassable in time of storm.

Clifton and Morenci, two mining communities, have been served through the woman's clubs. Also, a demonstration on landscaping of the home and choosing of shrubs was given to interested groups.

In the three communities of the Duncan Valley there are two very active homemaking clubs, while interest groups are in other communities. The Thriftee Homemakers Club of Franklin are very proud of its club and the service it renders the community. For the second time this club has received the Certificate of Achievement which is presented by the University. This recognition was earned by meeting the requirements for a model club as outlined by the state.

The Extension program has also been presented through woman's clubs, church groups, schools, Rotary Clubs and Community Council. As the Agent's time in Greenlee County is very limited, only one sixth of the Home Demonstration Agent's time has been spent in the county, but the results have been very gratifying.

After having gone for eighteen months without a County Agent it has been very encouraging to have an excellent Agent. Mr. Page, who came in January, has done an outstanding piece of work. Several projects have been carried cooperatively with the Home Demonstration Agent.

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IV. PROJECT ACTIVITIES AND RESULTS

A. Extension Organization and Planning

2. 4-H Clubs

The 4-H program in Greenlee County during the first part of the past year was very erratic. Leaders of the previous years in Duncan are all teaching school and carry an unusually heavy schedule due to the shortage of teachers. There simply was not time to have the 4-H clubs in the school as has been the custom. However, in September of 1946 there was a little release so five clubs have been organized. Three of these meet in the grade school with teachers as leaders. One foods club and two clothing clubs and a small club of seven who are taking both foods and clothing meet in the leader's home every other week.

Franklin 4-H girls had several leaders during the first part of the year. Finally during the summer a very good leader and assistant were secured. Nine girls enjoyed doing their work and had a successful Achievement Day in September with twelve people present. Each girl gave a demonstration and explained to the parents and visitors the methods used in canning their products and experiences that she had in sewing. These girls entered a small canning exhibit at the State Fair. The club is having a few meetings during the winter but will not be very active again until summer. Six girls completed their work and received pins.

In both Duncan and Franklin the girls are so widely scattered that it is necessary for them to ride the bus to school so it is hard for them to meet after school hours.

Five Greenlee County club members attended the state 4-H camp.

The present increased enrollment will be reported during the coming year.

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IV. PROJECT ACTIVITIES AND RESULTS

A. Extension Organization and Planning

3. Publicity

The one paper published in the county is the Copper Era, a weekly. This paper has been very generous in carrying news articles regarding the work of the Extension Service and in carrying a weekly column headed "Housekeeping Helps and Hints by Margaret Billingsley, Home Demonstration Agent". Articles regarding Homemakers' meetings, demonstrations, and 4-H club work have been printed.

The weekly column has carried the following articles:

"How Healthy Are We"
"Reduce Holiday Fire Hazards"
"Menu For The Holiday Dinner"
"Stuffing and Trussing the Bird"
"Steam Carrot Pudding With Cider Sauce"
"Reasons for Raisins"
"Apple Dumplings"
"Popability" (Restoring Pop Corn That Does Not Pop)
"Preserving Pecan Meats"
"Corn Dodgers"
"Vitamin C Foods Are Plentiful"
"Are You Buying Blindly"
"Crackling Bread"
"Bleeding of Gums"
"Inflation - Our Responsibility"
"Staff of Life"
"Clean Iron"
"White Spots on Furniture"
"Home-Canned Biscuits"
"The House of 7 (basic) Staples"
"Choosing the Cleaner"
"Substitute for Sour Milk"
"Egg Quiz"
"Ways to be Thrifty With Bread"
"Strawberries for Snow Time"
"The Dangerous Room"
"Potato Bread"
"For Fat and Thin"
"Squash"
"Mid-Summer Care of Baked Goods"
"When Buying Blankets"
"Scissors and Shears"
"Freezing Varieties"
"Graham County Council Homemakers' Meeting"
"Graham County Girls Win Trip to Chicago"
"Cabbage and Apples"
"Sweet Potato Time"

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IV. PROJECT ACTIVITIES AND RESULTS

A. Extension Organization and Planning

3. Publicity (Continued)

"Jar Lids"
"Glazed Apples"
"Cure For Shine"
"Ring Around the Yolk"
"To Peel Chili Peppers"
"Wake Up (Accident Prevention)"
"Corn"
"Frozen Pineapple"
"Embroidery Judging"
"The Shell Game (Nuts)"

There is no radio station within the county but the Home Demonstration Agent has participated in two radio programs given from the Tucson station regarding the home beautification project being carried on in Greenlee. Part of one program was also given to report on the meetings held on "A Simple Way to Iron A Shirt".

Circular letters have been mailed to the women of the county when there has been a need for pertinent information. The Home Demonstration Agent and County Agent are planning to combine a monthly circular which will not only give suggestive material, but news items of interest.

The following circular letters have been mailed:

Holiday Suggestions for Bread Making
Deep Freeze Units for the Home
Home Beautification
Canning with sugar Substitutes.

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IV. PROJECT ACTIVITIES AND RESULTS

A. Extension Schools and Conferences

4-H SUMMER CAMP

July 10th to 19th inclusive were spent at the 4-H camp. Six girls from Greenlee County enjoyed the fellowship training and recreation of the camp. None of these girls had ever attended a camp before so it was a real thrill and inspiration to continue in 4-H work.

The Home Demonstration Agent helped with the girls' supervision and was responsible for the Sunday Services which was held on top of the mountain. The staff and the 4-H boys and girls joined in making it a time of quiet inspiration and worship.

Another year, it is hoped that a district 4-H camp may be held so that more boys and girls will have an opportunity to attend. In reaching the state camp twelve hours were spent on the road.

ANNUAL CONFERENCE

"How to Plan Extension Service Program" was a theme of the Annual Conference held at the University from December 9th to 15th. Planning the county program was thoroughly discussed. One of the results was that nearly everyone felt that the Home Demonstration Agent tried to carry too many projects during the year. It was suggested that the number of projects presented by the Home Demonstration Agent be limited. However, in a county which has been used to carrying its own projects, it will take several years to reach this goal.

Time was also given to a thorough discussion of 4-H club programs. 4-H camps came in for their share of consideration. Whether to have state camp or district camp and when to have these camps was the question.

RADIO SCHOOL

Two very profitable days were spent in Phoenix attending a radio school conducted by Kenneth Gapen, Western radio instructor and director. Each person present was given the opportunity of recording a broadcast and then having it played back for criticisms. After receiving the criticisms and Mr. Gapen's advice on presenting programs, the second recording was made. The benefit of the experience by the second recording showed marked improvement. All the Extension workers should be better prepared to give interesting programs on the radio. Simplicity might be called the theme of the school. Mr. Gapen emphasized over and over that programs should be given simply - in simple language and manner.

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IV. PROJECT ACTIVITIES AND RESULTS

A. Extension Schools and Conferences

(Continued)

HOME ECONOMIC ASSOCIATION MEETING

Time was given to the Home Demonstration Agent to attend the State Home Economics Association meeting held in Phoenix. At the twentieth-fifth anniversary meeting, pictures and talks of the beginning of home economics in the state of Arizona were very enlightening. Of special interest were the pictures of the early home demonstration work as done by Miss Evelyn Bentley, Miss Grace Ryan, and Mrs. Flossie Barnes. Reports on various departments of home economics work were vital and at all times held the attention of the group. The talk on housing by Mr. Garrett of Phoenix made us more conscious of this problem.

This conference was valuable as to information received and for contacts of the other home economists of the state.

HOUSING CONFERENCE

The housing conference held in Tucson for two days in October was very profitable. A great deal of worthwhile information was received from the Extension staff, contractors, lumbermen, electricians, and member of the Health Department. This school was held in preparation for a county program of building and remodeling. Both Home Demonstration Agents and County Agents attended the conference so that the program might be carried on with the whole family. This housing project will be part of the work of the coming year.

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IV. PROJECT ACTIVITIES AND RESULTS

B. House and Furnishings

Housing, as in every other community, is a vital problem in the communities of Greenlee County. The few houses constructed, due to the poor materials available, have not been satisfactory. Many homes made improvements and new homes are being planned, but most people are waiting until more satisfactory materials can be secured.

In the meantime, the Extension Service is preparing to give assistance to those who are remodeling and building. "Plan before you remodel or build" is to be the slogan for the coming year. The Home Demonstration Agent served on the State Housing Committee which has prepared the program for this project. A two day housing school at the University was attended by all County Agents and Home Demonstration Agents.

Walt Disney's movie, "The Dawn of Better Living" was shown to the members of the Duncan Woman's Club. The purpose was to make homemakers conscious of the danger of improper wiring and the need for more circuits. A representative of the electric company was present to answer questions. This picture also led to questions and interest in other phases of housing. More will be done along this line in 1947.

Assistance has been given in the county to individuals and special interest groups. One club of nine homemakers had a meeting on points to consider in planning a home. No definite floor plans were made but discussions centered around the fact that the home should be planned according to the needs of the family. Individual families and their activities and possessions were listed; then the principles as given by Miss Dryden in planning a clothes closet were applied in planning a home for different families. In one home where assistance had been given by members of the homemakers group and the Home Demonstration Agent, much gratification was received when the kitchen showed shallow drawers, slots for pans and lids and sliding shelves as a result of this planning. As the homemaker's husband was very cooperative nearly all of the suggestions have been carried out.

A mixing center and a center for preparing baby's food were two new ideas in this community. It seems the carpenter objected to making a work height to suit the tallness of the homemaker, but the homemaker won and has an unusually high work surface due to the fact that she is an unusually tall woman.

This very interested group had another meeting with special emphasis on clothing storage. In one home the closets were examined and discussed in detail. This home had a supply shelf for storage of

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IV. PROJECT ACTIVITIES AND RESULTS

B. House and Furnishings (Continued)

linens, two shallow drawers instead of one tall drawer and a space for rolling a dirty clothes hamper. All of these plans were carried out and inspected at a leader meeting.

Following the annual flower show at the Morenci Woman's Club a talk was given on Home Decoration. Decorating the home for convenience and beauty were the points emphasized. Thirty-one women took part in the discussion which followed the meeting. After the meeting the Agent was consulted on choosing paint for two homes, choice of a rug for a home and hanging of pictures in the living room.

In the Eagle Creek district a result demonstration was held at the home of Mrs. Bill Edwards. According to previous plans, partitions had been changed in order to put in a stairway to the attic and to create a living room just off the dining room. In this large ranch home the living room was evidently built for community dances and was not satisfactory for family living. The new living room is very comfortable and attractive. Mr. and Mrs. Edwards did the work themselves.

In another home in this community a visit was made to see the piano which had been varnished according to instructions given by the Agent. First several coats of old paint and varnish were removed before the new varnish could be added. Results were very gratifying. Another woman in this same community is planning to give her piano similar treatment.

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IV. PROJECT ACTIVITIES AND RESULTS

C. Nutrition

Nutrition material was provided the nutrition leaders of the homemaking groups. At each meeting of the club the leader gave a short report on some phase of nutrition. Questions on school lunch and adequate diets were answered and material furnished.

The following articles on this subject were printed in the county paper:

- "Reasons for Raisins"
- "Popability (restoring popcorn)"
- "Corn Dodgers"
- "Vitamin C Foods are Plentiful"
- "Crackling Bread"
- "Bleeding of Gums"
- "Staff of Life"
- "The House of 7 (basic) Staples"
- "Substitute for Sour Milk"
- "Egg Quiz"
- "For Fat and Thin"
- "Squash"
- "Cabbage and Apples"
- "Mid-Summer Care of Baked Goods"
- "Cooking Vegetables"

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IV. PROJECT ACTIVITIES AND RESULTS

D. Food Preservation

The pressure cooker is always a problem to some women. At the two pressure cooker clinics held in Greenlee County, thirty-six cookers were tested. Nineteen of these had never been tested before. It is always a shock to find that in spite of publications in the newspaper, talking to the women, individual assistance, and pressure cooker clinics, that there are still those who do not realize that their release valve should be kept clean. Balls so rusted and corroded that they could not be removed even with force, were found on several cookers. One cooker which had blown up, had a very bad release valve. However, as a whole the cookers were in much better condition than when tested two years ago. There are still cookers in the county which should be tested. The condition of pressure cookers did not depend upon the age but rather upon the care and treatment the cooker had received. Some very old cookers were in excellent condition with the guage working perfectly while others which had been used only a year or two were not working efficiently.

Testing was done by the use of a master guage which was controlled by air in a tank. A few other cookers were tested in homes using the maximum thermometer.

As food preservation demonstrations had been covered thoroughly in previous years no demonstrations were given during 1946. However, many questions were answered and bulletins distributed.

With an abundance of fruit in the county, questions on canning with sugar or without sugar were the most prevalent. Circular letters with sugar substitutes for canning were mailed to three hundred people.

FREEZING

There are no freezer lockers in the county and as far as this Agent knows only two home freezers. However, two meetings, with an attendance of forty women, were held on the subject of home freezers and the preparation of food for freezing. An exhibit of containers was shown and methods of preparing foods were demonstrated. Operation of locker plants and the use of home freezers was discussed. The women were very anxious to find out all they could about this new method of food preservation. One of the meetings was held in a home connected with a dairy and the freezing room where ice cream was prepared. This homemaker had tried freezing peas which had not been correctly prepared and beef without wrapping so the products were not palatable. She was very anxious to learn the proper procedure. A Circular letter giving points on choosing deep freeze units for the home was sent to two hundred people.

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IV. PROJECT ACTIVITIES AND RESULTS

D. Food Preservation (Continued)

Articles on food preservation were published in the weekly paper under the headings of:

- "Preserving Pecan Meats"
- "Home-Canned Biscuits"
- "Strawberries and Snow Time"
- "Jar Lids"
- "Freezing Varieties"
- "To Peel Chili Peppers"
- "Glass Jars for Canning"

IV. PROJECT ACTIVITIES AND RESULTS

E. Food Selection and Preparation

As a follow-up on the 1945 poultry demonstration, articles on stuffing and trussing the bird were published in the paper. Bulletins on Holiday Dinner, containing information for preparing poultry, were mailed. Circulars giving instructions on holiday suggestions for bread making to one hundred fifty homemakers. A Christmas Dinner planned and prepared by the Thrifty Homemakers Club at Franklin showed results of food preparation study.

Upon request a demonstration on outdoor cookery was given to sixteen adults and twelve children. The meal was cooked on an outdoor fire place in the yard of one of the homemakers.

The meetings on preparing food in pressure sauce pans as reported under Family Economics were also meetings on preparation of food. The best method of handling and preparing these foods was emphasized. On all day meetings of homemakers emphasis was always given on food preparation and service in connection with the noon meal. In fact, this is one of the suggestions which is brought up at almost every meeting.

The following articles on food selection and preparation were published in the Agent's column in the weekly county paper, "The Copper Era":

- "Glazed Apples"
- "Sweet Potato Time"
- "Cabbage and Apples"
- "Squash"
- "Potato Bread"
- "Ways to be Thrifty With Bread"
- "Home-Canned Biscuits"
- "Crackling Bread"
- "Corn Dodgers"
- "Apple Dumplings"
- "Steam Carrot Pudding with Cider Sauce"
- "Stuffing and Trussing the Bird"
- "Menu for the Holiday Dinner"
- "Corn"
- "Ring Around the Yolk"
- "Cooking Vegetables"

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IV. PROJECT ACTIVITIES AND RESULTS

F. Health and Safety

The effort to find a system of freeing the Duncan water of fluorine which causes mottling of teeth has been continued. During 1945 interest was aroused and a committee started working on the best method of filtering the entire city system. Due to the work of Dr. H. V. Smith of the University, an estimate of removing the fluorine through a precipitation method was made by the Permutit Co. Since the water has to go through a softening process it was thought that this would be the best system of removing the fluorine. However, the private owner of the system felt that the expense was too great for him to undertake. He reports that instead of using two wells as formerly, the use of the "Martin Well", which contains the largest amount of fluorine, has been discontinued. However, recent tests show that the water still contains 2.3 P.P.M. which is more than sufficient amount to cause mottling. The Home Demonstration Agent and County Agent have discussed the problem with members of the committee of the Rotary Club. These men are going to present a petition signed by citizens to the owner of the water system. They expressed themselves as being willing to pay a higher rate if this is necessary. However, the rate at present is one of the highest in the state. It may be that they will have to take the problem to the State Corporation Commission. The Extension Service has taken the lead in the educational phase of this program but now that the public is aware of the situation and desire action, it rests with the people of the community to see that a satisfactory solution is reached.

During the year many more individual filters have been purchased, but these are rather expensive and it takes a great deal of care to see that the children drink only water which has gone through the filter. Many become negligent. The only effective method will be treatment of the entire water system. Rural homes with private wells have no choice but a home filter.

A map locating all the tested wells in the county and giving the percentage of fluorine contents hangs in the County Agent's office where it creates considerable attention.

The Agent cooperated with a new PTA organization in Duncan in planning to secure a school and county nurse who would serve the community and surrounding area as well as the school. Through contact with the State Public Health Office, as well as those of the county, funds for this service were appropriated by the County Board of Supervisors. However, to date a nurse receiving the approval of the State Public Health Department has not been found. It is hoped that before the beginning of another school year this service will be in operation. There is no public health work in the county.

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IV. PROJECT ACTIVITIES AND RESULTS

F. Health and Safety (Continued)

Through the efforts of the Home Demonstration Agent and other interested citizens T. B. Exrays were scheduled for Greenlee County. Interest has been aroused through articles in the paper regarding this service in Maricopa County. As equipment used in Maricopa County was too heavy for economical transportation the state has ordered a Mobile Unit. Delivery on this unit was expected in August but word has been received that it has not been delivered and, therefore, the scheduled program will have to be delayed.

Cooperative work is being done with the Red Cross regarding the organization of home nursing classes in Greenlee County for the coming December and January. The question of an available nurse is holding up the plans for these classes.

Each year safety publicity is emphasized, circular letters regarding the prevention of accidents have been mailed, and articles published in the newspaper. A number of fires have occurred. In one of these fires two children burned with the home. This has happened twice in two years. There is a feeling expressed by some that the low electric power which varies from hour to hour might be the cause of some fires. It is very difficult to know just what to do in order to arouse people to action toward prevention of fires and accidents.

The following articles in Health and Safety have been published in the weekly county paper, the "Copper Era":

- "The Dangerous Room"
- "How Healthy Are We"
- "Reduce Holiday Fire Hazards"
- "Wake Up" - (Accident Prevention)

Government bulletins on infant care and child training have been distributed. The health leader in each community sees that each new mother receives copies. One of the doctors sends his patients to the Home Demonstration Agent for these bulletins.

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IV. PROJECT ACTIVITIES AND RESULTS

G. Family Economics and Home Management

"What do I expect from my household equipment? What do I want this equipment to do for me?" were the questions asked and answered by thirty-one women who attended discussion groups on consumer buying. Each one reported on the type of cooking utensil which she liked best and why. Containers of aluminum, steel, copper, and tin used in cooking equipment were compared. Washing machines, ice boxes and irons were considered as to advantages. These discussions led to two requests for a demonstration on the use of pressure sauce pans.

The Franklin Homemakers Club held a demonstration and evening meeting with husbands as guests. "Let's invite our husbands, so they will learn of the merits of pressure sauce pans, and then we won't have to convince them of our need for one", was the comment of one woman. Beets, string beans, carrots, potatoes, and steam pudding were prepared in five different types of pressure sauce pans and served to forty-four guests. Chicken and hot rolls were included in the menu. All were enthusiastic over the demonstration and as was hoped, some of the women have since received pressure sauce pans as gifts from their husbands. At another demonstration most of those present either owned a pressure sauce pan or were trying to decide which type to purchase. These women learned a great deal about the use and care of their pans.

The following articles were published regarding family economics and home management in the weekly paper, the "Copper Era":

"When Buying Blankets"
"Inflation - Our Responsibility". (2 articles)
"Choosing the Cleaner"
"Are you Buying Blindly"
"Ways the Housewife can Keep Down Prices"
"Soap Scarcity"

Outlines as furnished by the "Consumer Speaks" project were used as a basis for four community discussions on clothing and household textiles and on the food situation. Blanks, indicating local market conditions; greatest needs in clothing and desires as to quality and leveling of textiles, meats and breads were filled out and sent to the state office.

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IV. PROJECT ACTIVITIES AND RESULTS

H. Clothing and Textiles

The Cornell bulletin "A Simple Way to Iron A Shirt" was used as a basis for four method demonstrations on shirt ironing and work simplification.

Sixty-seven women who recently attended the demonstration all expressed themselves as finding helps in this method of ironing. A few adopted only certain steps while others are using the instructions exactly. As ply wood has been hard to secure only a small number of the women have made the wider ironing boards but they are using tables or their regular size ironing boards.

Applying the principles of saving time and motion as demonstrated in shirt ironing, women have reported time saved in dishwashing, sprinkling clothes, bed making, putting on children's clothing, and other household tasks.

Seventeen Franklin Homemakers met for an annual meeting on ideas for Christmas. With each homemaker bringing an article and with the Agent's supply of illustrative material many gift ideas were exchanged. Crochet seems to be more popular than ever before. Ideas on Christmas dinners and Christmas programs were also presented.

Both the Agent and community leaders have given personal assistance to people having sewing machine difficulties.

The following articles were published in the weekly county paper, the "Copper Era":

"Cure For Shine"
"Scissors and Shears"
"Clean Iron"
"Mildew Under Cover"

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IV. PROJECT ACTIVITIES AND RESULTS

I. Recreation and Community Life

A more determined effort has been made to further recreational and community life. In the organized homemaking groups dinners and picnics have been a part of the program. At the close of monthly meetings the Thrifty Homemaker's Club of Franklin usually have a period of fun and relaxation under the leadership of the recreational chairman. Two baby showers have been a part of the activities of this club. The Franklin Homemakers also had a book review given by one of their leaders. This is one of the things which the club can do effectively without the assistance of the Home Demonstration Agent. Twice during the year husbands and other members of the family have been entertained at a dinner and at a picnic.

A church youth group in Duncan has been advised and help given them in planning recreational programs. There is a definite need for more recreation in the home.

COOPERATION WITH OTHER ORGANIZATIONS

The schools, Rotary Club, P.T.A., churches, Woman's Clubs, and other groups in Greenlee County are always willing to cooperate with the Home Demonstration Agent. Mr. Murphy, Principle of the high school, has been especially helpful at all times. The Home Demonstration Agent has called upon the schools for the use of buildings and other equipment and all clubs have been enlisted in the campaign for home beautification and for freeing the water system of fluorine. The P.T.A. has come to the Agent for assistance in carrying out their plans for school lunches; in securing a school nurse, and in making arrangements for the TB Exray program.

Upon request from the Duncan Home Economics teacher, a talk was given on character development to twenty-two high school girls. Assistance has been given to the church youth group in planning for the District Conference and in cleaning and re-doing furniture and curtains in their social room.

The Home Demonstration Agent always enjoys contacts made at the annual meeting of the Cattle Growers Association. This group, sponsored by the Extension Service, had three hundred people present at their summer meeting. The ranch women who live in isolated areas are not seen at any other time during the year.

Assistance has been given Red Cross in organizing home nursing classes. Mrs. Gose, Red Cross Nutritionist, accompanied the Home Demonstration Agent on some of her calls and gave a talk to the Franklin Homemakers group. The Home Demonstration Agent took Mrs. Gose to see the doctor and Red Cross Chairman in an effort to make a survey of the nutritional set-up.

MARGARET BILLINGSLEY
Greenlee County
1946

IV. PROJECT ACTIVITIES AND RESULTS

I. Recreation and Community Life (Continued)

In the community of Duncan where the local churches have been without a pastor since July, the Home Demonstration Agent has assisted in the services of one of these churches. Help has been given to the Sunday School and arrangements have been made so that services have been conducted every Sunday.

MARGARET BILLINGSLEY
Greenlee County
1946

IV. PROJECT ACTIVITIES AND RESULTS

J. Home Beautification

With the shortage of labor during the war years there was no time for cultivating flowers and lawns. In many cases the entire yard was turned into a vegetable garden. Homes were also neglected. Paint was not renewed. In some cases necessary repairs had been delayed. A general "down at the heel" appearance prevailed.

The small town of Duncan and surrounding valley, formerly known as an "Oasis On The Desert", was becoming less and less attractive. Many of the once beautiful cotton woods were partially dead or filled with mistletoe. The dying cotton woods could be attributed to several causes such as the lowering of the water level and lack of care. Caterpillars were an annual pest. Members of the Homemakers groups in this district were constantly making a comparison between their surroundings and those of larger counties. This gave the Home Demonstration Agent the idea of starting a home beautification project.

Plans were made with Mr. Harvey Tate, Extension Horticulturist, to conduct this campaign. At the time the county was without a County Agent. Through personal contacts and community meetings a growing interest was created. The homemakers groups in Franklin, Luntville, and their leaders took the responsibility of sponsoring the project in their respective communities.

Preliminary to the visit of Mr. Tate in March, a committee, with members from the school, City Council, Rotary Club, Woman's Club, Soil Conservation Service, and American Legion met to organize a plan of procedure. The high school student body organization offered a reward to the student making the most improvement in his home grounds. The Masons volunteered to take care of planting trees on the streets. The AMVETS are taking over the responsibility of cleaning and beautifying the vacant lots. The Woman's Club will sponsor a flower and lawn show next year. The Rotary Club is interested in a city park toward which they will work.

As a general beginning for this campaign the City Council of Duncan declared a clean-up day at which time the schools and stores closed for half a day. Trucks were provided for hauling away the trash and the Vets were responsible for cleaning up the vacant lots. Due to a heavy wind and dust storm people were unable to do as much cleaning as desired, but a start was made which has been continued throughout the year.

On Mr. Tate's next visit to the county a rose pruning demonstration was given. Many old and unattractive bushes came to life again. A few people thought that their bushes were being completely ruined when they saw the branches being cut so far back, but with the spring and summer growth all are talking of their beautiful blossoms.

MARGARET BILLINGSLEY
Greenlee County
1946

IV. PROJECT ACTIVITIES AND RESULTS

J. Home Beautification (Continued)

When Mr. Tate made his second visit he showed colored slides of ornamental plants in four communities, Clifton, Duncan, Franklin, and Luntville. These ornamentals gave the people an idea of what would grow in this area and how to place plants in relation to the home. They were also a means of teaching plant identification. Five landscaping demonstrations with an attendance of one hundred and forty-nine were held in different homes. Potted ornamentals were placed according to the best location. A trailer full of ornamentals loaned by the Morris Nursery, about forty miles away, were taken to Duncan to use in this demonstration. Eight individual homes and two schools were given assistance in landscaping with the understanding that these homes would act as result demonstrations. In these eight homes plants were set out within the week. As soon as the neighbors saw folks planting they came to ask questions and to see how and where certain plants could be obtained. Thus, little by little there has been a large spread of influence. The Home Demonstration Agent made a collection of mounted leaves and blossoms which were used in helping folks to learn the names and to recognize plants which would grow well in Greenlee County. These were used with good results with homemakers groups.

The time of Mr. Tate's next visit, two months later advice was given on the care of the shrubs which had previously been planted and the care of fruit trees and gardens. At this time help was also given in Clifton, a mining community, and to scattered ranch homes in the Eagle Creek district.

Remarkable improvement has been seen within the year and of course the project will continue over a period of years. As one approaches the valley he is no longer greeted by the unsightly stumps and logs between the highway and the rail road tracks. Upon the request of the city the railroad company brought in flat cars and removed all of the debris. Vacant lots have a more pleasing appearance and many of the old cotton woods have been taken down in preparation for new plants. In one yard alone six immense trees were removed. The removal of trees has brought about a great deal of comment. From one comes - "What are you trying to do - cutting down all the trees - make this a desert again?" The next person says, "How happy I am to see those dead and dying cotton woods removed - now we can have some new trees". Still another comments, "No more caterpillars! For years I have had hard feelings toward my neighbors because of their cotton woods which fill my place with those nasty caterpillars and sap the strength and water from my ground". But the pessimists complains, "You've taken away the shade and you won't live to enjoy the new plantings. You'll be dead and gone before the new trees are large enough to benefit you or your children!" However, adverse criticism develops interest which brings about desired action.

MARGARET BILLINGSLEY
Greenlee County
1946

IV. PROJECT ACTIVITIES AND RESULTS

J. Home Beautification (Continued)

Fruitless Mulberries, Chinese Elm, Arizona Ash, and Locust will replace the unsightly cottonwoods. Experience has shown that these trees grow well and have a longer life than some of the other varieties.

Each of the method demonstration homes was very successful with their plantings. When Mr. Tate made his fall visit he was pleased to find that in only one place had any of the plants died. In this particular home the family had thought that the ground was so poor that nothing would grow. But, by following instructions to dig below the alkali they have found that most of the shrubs are thriving. The Verl Lunt farm home had an unsightly expanse of dust which stretched from the house to the highway. They had not been successful in either their grass plantings or with shrubs. A great deal of time was given to this yard and planning for its care. Both husband and wife, vitally interested in having a nice yard, are putting in hard work. After six months it looks like a different place. A blue grass lawn replaces the dust bed and has shortened the distance from the highway to the house. A cement walk and curbs have been put in; thus making it possible to flood the yard from the irrigation ditch. Pyracantha, Euonymus, and other ornamental shrubs are beginning to make a showing around the house. In the meantime temporary plantings of vines and ornamentals make a very pleasing picture against the adobe walls.

A clean yard, a lovely lawn, beautiful shrubs, and an attractive home become contagious. Many houses in the valley have put on a new coat of paint which may not be directly due to this campaign, but surely are indirect results. The project has really just begun and during the winter months the Soil Conservation Service and Masons have plans for tree planting. More homes have asked for assistance in landscaping while others are going ahead with their plans. The Duncan Valley will again come into its own and be known as an "Oasis On The Desert".

MARGARET BILLINGSLEY
Greenlee County
1946

IV. PROJECT ACTIVITIES AND RESULTS

K. State Fair

For the first time in a number of years a State Fair was held in Phoenix. Being more than two hundred miles from the fair it was difficult for the county to prepare exhibits. The women were urged to enter foods and clothing but very few did so. The county provided no means of transportation so anything that was entered had to be delivered in person.

Franklin community is already planning for next year's fair by choosing a committee to be working throughout the year. It is hoped that Greenlee County will have a good representation for the 1947 fair. Members of the 4-H clubs sent a small canning exhibit.

MARGARET BILLINGSLEY
Greenlee County
1946

V. OUTLOOK

The Home Demonstration Agent is very anxious to organize a Homemakers Club of young married women - mothers of children. There is a large number of these women who need such an organization. To date, contacts with them have been through personal request and interest groups. Some publicity work has been done with such an organization in mind, so early within the next year this club should be started.

The Home Beautification program will be continued for the next few years. Early in 1947 demonstrations will be given on planting trees and care of shrubs. The Soil Conservation Service and Masons organization will be planting trees on the streets.

Further help will be given in the P.T.A. in an effort to secure a public health nurse for the Duncan Valley. When called upon the school will be given assistance and continued plans for the opening of a school lunch program.

Children's clothing will be one of the major projects with homemakers groups, while the housing program is designed to reach both men and women. 4-H Club work will be emphasized, with the securing and training of leaders the most important problem.

All community projects will find the cooperation of the Extension Service. More and more the Agent hopes to give responsibility for monthly programs to the organized homemaking groups. These groups have been very dependent upon the Agent, but gradually are beginning to realize that they themselves can carry much of the program.

Extension publicity and educational material will reach people through the mails, in the press, and on the radio. A monthly letter combined by the Agricultural Agent and the Home Demonstration Agent will be distributed.



The Verl Lunt home taken just after Home Beautification had been started. The walks have been put in and the ground plowed in preparation for the lawn.



The Verl Lunt home six months later showing the blue grass lawn and temporary plantings. To the right can be seen permanent evergreen shrubs which will make a better showing next year.



Before and after Home Beautification project was started.



Mr. Harvey Tate, Extension Horticulturist, conducting landscape program in connection with Home Beautification.



Before - Next year's report will show the results of the Home Beautification project.



Rug making in Greenlee County



Miss Bertha Virmond's demonstration
of rug made on wagon wheel.



Franklin Homemakers making rugs

HOUSEKEEPING
By **H**ELPS AND
Miss **H**INTS
Margaret **H**Billingsley
Home Demonstration Agent
Safford, Arizona

Staff of Life

The new orders affecting the milling of flour in America to make us eat "black bread" are not so hard to take as they may seem.

The first loaves of bread made from the new 80% extraction flour in the baking laboratory of the U. S. Department of Agriculture proved an agreeable surprise. The bread was not the grey or dark color expected by many. It had a slightly off-white or creamy cast but actually differed little in looks from the loaf made with the present standard white enriched flour. Many of the tasters could detect no difference in flavor or texture.

For many years modern white flour has been losing important values in milling. Some of these values were returned when bread was enriched. Enrichment put back the lost three B-vitamins—and also iron. The new 80% flour will give these same values and in addition improve the protein quality.

PROCLAMATION

TOWN OF DUNCAN, DUNCAN, ARIZONA CLEAN UP PROCLAMATION

Whereas, the Town of Duncan intends to remain among the better appearing communities of the state, and,

Whereas, the appearance of our town can be improved by the cleaning up of properties, and,

Whereas, the participation in such a worthwhile undertaking will bring personal enjoyment to those participating and will be of value to the Duncan community, and,

Whereas, the full value of such a project depends on the full cooperation of the community, I respectfully request the full cooperation of the good citizens of the community, and further request business houses to close at 12:00 noon on "Clean Up" day. I further declare by the powers invested in me as Mayor of Duncan, Arizona, March 25 as

**"DUNCAN COMMUNITY
CLEAN UP DAY."**

(Signed) JACK BALLARD
MAYOR OF TOWN OF
DUNCAN.

March 16, 1946.

DUNCAN SETS CLEAN-UP DAY

Duncan will have a real clean-up day in the very near future. Plans for such have been drawn up and the city council, schools, churches, civic clubs, etc., have been asked to aid in this program. It is hoped that this clean-up program will be followed by additional improvements such as lawn planting, flower planting, repainting, and other forms of beautification. Mayor Jack Ballard has proclaimed March 25 as the kick-off date for this undertaking. Schools and business houses have been asked to close for the afternoon on this date and to aid in the project. Trucks will be available to aid in the disposal of waste materials. A motto for every loyal citizen for March 25 is "Clean Up." A good start on this date will insure a job well done. Do your share in making Duncan a better and more attractive place in which to live.

HORTICULTURIST TO SPEAK HERE ON 7TH

Home Beautification by Planting will be the subject of a public address to be delivered by Harvey L. Tate, extension horticulturist of the University of Arizona, in the Clifton high school auditorium on Thursday, March 7, at 7:30 p.m.

Mr. Tate will present films that show how to enhance almost any type of dwelling or public building, stressing the proper selection of trees and flowers for different sites and for different types of buildings. He will also discuss the care, pruning, and training of trees and shrubs, and the care of flowering annual plants. Using some shrubs and rose bushes brought along for the purpose, Mr. Tate will give some practical demonstrations of pruning.

This timely program is sponsored by the Clifton Woman's Club, whose theme for this year's club work is the American Home.

The Woman's Club cordially invites home owners, gardeners, and all who are interested in planting to attend Mr. Tate's demonstration. This is one of a series of similar demonstrations which Mr. Tate is giving in several communities in Arizona, and is presented here through the efforts of Miss Margaret Billingsley, home demonstration agent, and C. G. Page, county agent of Greenlee county.

HOME BEAUTIFICATION MEETING PLANNED

Harvey F. Tate, extension horticulturist, University of Arizona, will be in Greenlee county March 5 to 9 to assist various communities in the county interested in home beautification problems relating to horticulture.

The following meetings have been scheduled: Tuesday, March 5, 7:30 p.m., LDS Church, Franklin; Wednesday, March 6, 10:00 a.m., Bill Cospers farm, Duncan; and at 7:30 p.m., at the Duncan high school; Thursday, March 7, 1:30 p.m., Virgil Lunt farm and at 7:30 p.m., at the Clifton high school; Friday, March 8, 4:00 p.m., at the Leslie Billingsley residence, Duncan.

Pictures of desirable plantings of trees, shrubs and flowers for this area will be shown. It is also planned to have examples of a number of the plants on display for all who desire to familiarize themselves with some of the types of plants adapted for planting in Greenlee county. Demonstrations on landscaping will be given by Mr. Tate at the Bill Cospers, Virgil Lunt, and Leslie Billingsley homes.

HOUSEKEEPING
By **H**ELPS AND
Miss **H**INTS
Margaret **H**Billingsley
Home Demonstration Agent
Safford, Arizona

CABBAGE AND APPLES

Served hot or cold, cabbage and apples make a good team.

Teamed cold, raw cabbage and apples are salad favorites. Apple cabbage slaw, for example, can be made of equal quantities of diced apples and finely shredded cabbage, mixed with salad dressing and served at once on cabbage leaves. Cream dressing seasoned with grated horseradish goes especially well with this combination. Leaving the skin on the apples saves time and food value, and adds a bright color touch.

Teamed hot, cabbage and apples make fine casserole combinations—such as this scalloped dish suggested by home economists of the U. S. Department of Agriculture:

Scalloped Cabbage and Apples:

In a greased baking dish place alternate layers of shredded cabbage (about 2 quarts, or 8 cups) and sliced apples (about 1 quart or 4 cups). Season each layer with a little salt and sugar and dot with table fat or drippings. Over the last layer spread 1 cup bread crumbs mixed with a little melted table fat. Cover, and bake in a moderate oven (350 F.) for 45 minutes, or until cabbage and apples are tender. Toward the last remove the cover so crumbs can brown. Serve in baking dish. Makes 6 servings.

Ring Around the Yolk

The unpleasant dark-colored ring that often appears on the outside of the yolk of a hard-cooked egg is the result of either too much heat or too long cooking, say cookery scientists of the U. S. Department of Agriculture. If eggs are simmered — that is cooked below the boiling point—for 25 to 30 minutes but no longer there should be no dark rings around the yolks.

Horticulturist To Speak in Clifton On March 7th

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Mr. Tate will present films that show how to enhance almost any type of dwelling or public building, stressing the proper selection of trees and flowers for different sites and for different types of buildings. He will also discuss the care, pruning, and training of trees and shrubs, and the care of flowering annual plants. Using some shrubs and rose bushes brought along for the purpose, Mr. Tate will give some practical demonstrations of pruning.

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HOMEMAKERS MEET WITH MRS. ARNETT

The Thrifty Homemakers Club of the Franklin community held their February meeting on Friday, the 22nd, at the home of Mrs. Annie Arnett.

Topic of discussion for the afternoon was "step saving devices." Miss Billingsley also displayed many native shrub and tree samples in preparation for Mr. Tate's coming to the valley early in March to help landscape yards.

There was a nice attendance at the meeting and before adjourning refreshments were served.

COOPERATIVE EXTENSION WORK
in
AGRICULTURE AND HOME ECONOMICS
State of Arizona
Duncan

University of Arizona November 1, 1946
College of Agriculture
U.S. Dept. of Agriculture
and Graham County Cooperative

Agri. Extension Service
Home Demonstration Work
County Agent Work



RUGS HAVE THE FLOOR

Dear Homemaker:

Miss Bertha Virmond, a specialist in rug making, will be in the county Thursday, November 7, 1946. Miss Virmond will give a rug making demonstration sponsored by the Thrifty Homemaker's Club of Franklin. If you are interested in learning how to make rugs bring a hot tacker dish and come at 10 AM, Thursday, November 7, to the Church at Franklin.

Bring a good supply of clean rags of any type. Old stockings and underwear are especially good. If you have a piece of lustrap and a few boards to make a frame bring them along. Several types of rugs will be demonstrated and you may choose the one you would like to make.

Sincerely yours,

Margaret Billingsley
Margaret Billingsley
Home Demonstration Agent

Mb:hjs

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

OF

MISS MARY LOUISE JONES

ASSISTANT HOME DEMONSTRATION AGENT

GREENLEE COUNTY

Safford, Arizona

From June 4, 1946 to August 31, 1946

Mary Louise Jones
Assistant Home Demonstration Agent
Greenlee County
June 4 to August 31, 1946

4-H ORGANIZATION

Two clubs have been organized by the Agent, one in Franklin and one in Duncan.

The Franklin club has been organized under the leadership of three very cooperative women: Mrs. Maudie O'Dell, Mrs. Olive Lunt, and Mrs. Don Wagner. The club has 10 members between the ages of 10 and 18. The girls are taking clothing 1st and 2nd year. Two girls joined the 1st year food club and all the girls are joining the Mothers and Daughters project canning club.

In Duncan the club is under the leadership of Mrs. Ruth McNair and her daughter, Barbara. There are ten members between the ages of 11 and 15. The club is a mixed club, composed of 1st and 2nd year clothing and 1st and 2nd year food members.

Mary Louise Jones
Assistant Home Demonstration Agent
Greenlee County
June 4 to August 31, 1946

ACHIEVEMENT DAY - -

One Achievement day was held in Greenlee County during the month of August. It was held for the Franklin Club in which five members received pins for completing their first year work. They had an excellent display of garden food; peaches, corn, and string beans. These girls had worked hard in order that their canning might be a credit to their club. Each girl had also finished a year of clothing along with her canning work. A very interesting program was given and the meeting was attended by their mothers and several interested people.

Mary Louise Jones
Assistant Home Demonstration Agent
Greenlee County
June 4 to August 31, 1946

PUBLICITY

The following articles were published during the period from June 4 to August 31, 1946 in the Weekly County Newspaper:

"Saving With Bread"

"Getting The Most From Cottage Cheese"

"Stretching The Flour"

"The Dangerous Room"

"Potato Bread"

"For Fat and Thin"

"Squash"

"Mid-Summer Care of Baked Goods"