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AGRICULTURAL EXTENSION PLAN OF WORK

MONTGOMERY COUNTY

1958

T. M. Hepler, County Agent
L. T. Richardson, Assistant County Agent
Ralph C. Moore, Assistant County Agent

1. Description of Montgomery County

Topographically the county is drained by three distinct watersheds- (1) New River through Brush Creek and Meadow Creek to Little River and by Plum Creek, Strubles Creek, Toms Creek and Poverty Creek direct. (2) James River through Craigs Creek, and (3) Roanoke River through North and South Forks. Thus the county sends water to the Chesapeake Bay, Atlantic Ocean, and the Gulf of Mexico, and forms the continental divide, which has elevation varying from 2000 to 3000 feet. Being near the divide, subjects the county to a shortage of water in extreme droughts and the steeper slopes are subject to severe erosion if cultivated crops are grown. The City of Radford and incorporated towns of Christiansburg, Cambria and Blacksburg, total more than 40,000 people and provide markets for farm produce.

Montgomery Contains 401 square miles in area or 252,800 acres divided according to use as follows: farm woodland, grazed woodland, protected woodland, cropland and pastureland. Also industrial and National forestry.

In 1950, the population of the county was 29,780. During the 10 year period 1930-40, the population increased 8.2%. From 1940-50, the population increased 40.4%. The number of farms are on the decrease. In 1945 there were 1,660 farms with an average size of 96.2 acres. In 1950 there were 1,596 farms with an average size of 94 acres. In 1954 the total number of farms was 1,447, with the average size being 98.7. The average value of land and buildings is \$9,006,000.

The percent of residence in the county shows that 21.2% are urban, 57.2% rural non-farm and 21.6% are rural farm families. The median age is 24.2 years. The median income being \$136.00 with 63% having an income of less than \$2,000.

Agriculture in recent years has become of less importance in the County's economy. In 1950, the value of farm products sold amounted to about \$2,500,000- livestock being about 93% of these products, Dairy has been the most rapidly developing farm enterprise and its total farm sales increased from 31% in 1944 to 42% in 1949. Meat animal production mostly cattle, was the principal source of cost farm income in 1949, a little more than 45% of the total.

About 32% or 48,000 acres of all land in farms is woodland. Thirteen and nine-tenths percent of this is pasture. Seventeen thousand eight hundred and five acres is in the Jefferson National Forest. There are also a number of commercial forests making the total woodland about one hundred and fifty thousand acres. This is about 60% of the entire area of the county.

A livestock market is located at Christiansburg. Livestock is brought to this market from ten surrounding counties. The average weekly sale being about \$50,000, approximately 1,400 head of livestock being sold. Many of these people spend a part of this money in Montgomery County.

The regional office of one of the large milk companies in the county is located at Christiansburg. They handle 60 million pounds of milk annually, paying its patrons 2 million annually, about one-half of which is paid to Montgomery County farmers. Much of this money is spent in the county.

2. Changes That Influenced Plans for 1958.

A reduction in industrial employment within the last year suggests the necessity for emphasizing many different enterprises as supplemented farm sources of income rather than the one enterprise with supplemental off-the-farm sources. Therefore, in addition to small fruits, tobacco and tomatoes, a poultry committee has been formed. Sheep will be promoted as the best suited supplemental enterprise for most Montgomery County farms.

Emphasis will be on correct management factors in all farm enterprises to increase efficiency as an aid to combatting the present farm price-cost disadvantage of farming. More than usual, emphasis will be placed on forestry since approximately half of the total land area is in woodland and 50% of this is on farms. Other practices of a long-time or permanent nature will be promoted.

Most Montgomery farm products are in a relatively favorable price position--milk, livestock, and poultry products and timber, and a potential market exists for special cash crops consisting of tomatoes, small fruits, vegetables, and tobacco.

3. As soon as the annual report for 1957 was submitted, all specialists in major phases of agriculture were contacted by letter and short pre-planning conferences were held with the agent visiting the specialists' office. This resulted in finding out the latest experimental developments, the specialists' newest ideas and suggestions, and arrangements for committee meetings, which followed in January and February, when recommendations were made for the program of work for each committee's phase.

At the completion of the series of 10 committee meetings, all committee chairmen, including Home Demonstration committees and 4-H committees, were invited as members to the annual meeting of the Agricultural Extension Service Board on February 25, and asked to submit the recommendations of their committee for approval. In addition to the committee reports submitted, the Board voted unanimously to form committees on Farm and Home Lighting, Farm and Home Water Systems, a combination Dairy and Nutrition committee, and a committee to investigate the feasibility of a Farm Produce Curb Market.

Also, at the County Board meeting, additional suggestions were invited from civic, business and professional leaders. The coordinator of Civil Defence reported that as a result of the cooperation of the organized community clubs, contact personnel had been located in five communities of the county and that at least four of these had conducted or arranged for first aid classes for their members and requested that the Board of Agriculture also continue to promote interest in Civil Defence work.

Mr. John McLaughlin, District Biologist with The State Game Commission, described his work with wildlife problems and its general relationship to the overall agricultural program and its specific relationship to and dependence on a good forestry management program.

The program was presided over by L. B. Nutter, President, who was reelected, along with Mrs. I. J. Greer and Mrs. Roy Collins, first vice-president and secretary respectively, with B. B. Hylton as second vice-president.

The entire personnel of the Board as invited and program are attached.

PROGRAM OF ANNUAL MEETING

MONTGOMERY COUNTY AGRICULTURAL EXTENSION SERVICE BOARD

L. B. Nutter, Presiding - - February 25, 1958 - 1:00 P.M.

1. Minutes of Last Meeting Mrs. Roy Collins, Secretary
2. Appoint Nominating Committee L. B. Nutter, President
(president, 1st & 2nd vice-pres, secretary, treasurer)
3. Home Economic Situation Mrs. Kate Estes Hoge, Home
Demonstration Agent
4. Agricultural Situation T. M. Hepler, County Agent
a. Agronomy Glen Walters, Vice-chairman
b. Animal Husbandry Allen Page, Member
c. Dairy Husbandry Lloyd McPherson, Chairman
d. Forestry S. E. Chafin, Chairman
e. Poultry Carl N. Conner, "
5. Youth Situation in Montgomery County Ralph C. Moore, Ass't. Co. Agt.
a. 4-H County Council Jim McNabb, President
b. Senior 4-H Club Pat Hall, President
c. Adult 4-H Leaders' Committee Mrs. Roy Collins, Chairman
d. Community Improvement Club Council B. B. Hylton, President
6. Discussion of Additional Improvement Phases of Agriculture to be
Included in Program
a. Farm and Home Management
1. Farm and Home Lighting
2. Farm and Home Water Systems
3. Nutrition
b. General Farm Organization Programs
1. Farm Bureau
2. Grange
3. Young Farmers' Club
4. Suggestion from civic, business, and professional leaders.

MONTGOMERY COUNTY AGRICULTURAL EXTENSION SERVICE BOARD

1958

L. B. Nutter, President, Route 1, Blacksburg
 Kinzar Carper, Vice-pres., Route 1, Christiansburg
 Mrs. I. J. Greear, 2nd. Vice-pres., Riner
 Mrs. Roy Collins, Secretary, Route 2, Christiansburg

L. H. Gardner, Chairman, Agronomy Committee, Shawsville
Glen P. Walters, Vice-Chrm. Agronomy Committee, Route 1, Cambria
S. B. Chafin, Chairman, Forestry Committee, Riner
Allen Page, Member Feeder Calf Sale, Pilot
 Jim Arrington, Chairman, Wool Pool, Route 2, Cambria
 H. H. Shelburne, Member, Wool Pool, Route 1, Christiansburg
 W. J. Miller, President, Hereford Breeders Ass'n, Route 1, Christiansburg
 P. L. Cecil, President, Montgomery County Farm Bureau, Route 1, Christiansburg
 Roy D. Harman, President, Livestock Protective Ass'n., Christiansburg
 Byron J. Meredith, President, Montgomery Artificial Breeding Ass'n, Rt. 1, Radford
 G. W. Wall, Vice-pres. Montgomery Artificial Breeding Ass'n. Rt. 1, Cambria
 Mike Altizer, Secy-Treas. " " " " Christiansburg
Lloyd McPherson, Chairman, Montgomery County Dairy Committee, Rt. 1, Blacksburg
 R. R. Harkrader, President, Montgomery County D.H.I.A., Christiansburg
 C. W. Atkinson, President, Montgomery-Pulaski Milk Producers Ass'n, Christiansburg
 Clarence Sutphin, President, Roanoke Valley Cheese Coop. Inc, Rt. 1, Blacksburg
B. B. Hylton, President, Community Improvement Council, Rt. 1, Christiansburg
 Ross Brown, Chairman, Executive Committee, Rt. 1, Blacksburg
 Wayne M. Banks, Chairman, Farm & Home Water Systems Committee, Box 93, Christiansburg
 Mrs. I. J. Greear, Chairman, Nutrition Committee, Riner
 Mrs. George Allen, " , Money Management, Rt. 1, Blacksburg
Carl N. Connor, Chairman, Poultry Committee, 711 Clement St., Radford
 Sammie Joe Lucas, President, Riner Young Farmers Chapter of Virginia, Riner
 N. B. Harvey, Chairman, Board of Supervisors, Rt. 1, Christiansburg
 Nat Shifflette, President, Christiansburg Chamber of Commerce, Christiansburg
 F.A. E. E. Shelton, Executive Secretary, Radford Chamber of Commerce, Radford
 C. S. Givens, Vice-pres. Montgomery County Farm Bureau, Newport Road, Blacksburg
 Kermit Grim, Master, Auburn Grange, Riner
Mrs. Roy Collins, Chairman, 4-H Adult Leaders Committee, Rt. 2, Christiansburg
Jim McNabb, President, 4-H County Council, Rt. 2, Christiansburg
Pat Hall, President, 4-H Senior 4-H Club, Park Street, "
 Mrs. Charles James, Chairman, County Home Demonstration Committee, Cambria

Organizations Relating To Agriculture and General Organizations:

Ray Mills, Master, Pecora Grange, Irons
 Bill Levechia, Secretary, Blacksburg Chamber of Commerce, Rt. 2, Cambria
 Frank Titlow, Editor, Montgomery News Messenger, Christiansburg
 John Thompson, Radford News Journal, Radford
 Vic Avers, W.R.A.D. Broadcasting Station, Christiansburg
 Durwood Powell, W.B.C.R. " " "
 Glenwood Howell, W.S.L.S. Farm & Home Program, Roanoke
 Dr. L. W. Frame, Director, Health Department, Christiansburg
 J. L. Littleton, Soil Conservation Service, "
 W. K. Miller, Farmers Home Administration,
 John E. Lemley, Coordinator Civil Defense & Town Manager, Christiansburg
 John McLaughlin, District Biologist, State Game Commission, "

4. The General County Problems are indicated by the above committees as selected from the county situation existing with respect to the various commodities and economics, nutritional and social needs of the county.

5. Agronomy

a. Situation - No. Tons Hay Equivalent produced from farms:

(1) Hay and sorghum	18,216 tons
(2) Pasture	44,000 "
(3) Silage	
(a) corn	4,755 "
(b) small grain-grass	387 "
(4) Small grain as grain	<u>2,642</u> "
Total tons H.E. produced	70,000 "

No. 1000# animal units in county - 17,570

Annual forage needs (25# X 17,570 X 365) = 80,000 T

Shortage of ton forage equivalent 10,000 T

b. Extension Methods

- (1) Publicize needs through members of Agronomy and Livestock committees, circular letters, news articles, radio and TV program.
- (2) Inform all producers, seed and fertilizer through meetings, circular letters and visits on cultural practices including varieties, plant food needs, soil tests and liming and seed bed preparation, both on new seeding and top dressing old stands.
- (3) Promote grass silage production through disseminating results of experimental methods and experiments from Experiment Stations and local farmers.
- (4) Promote improved forage production from pasture by encouraging greater participation in A.S.C. program, cooperation with Soil Conservation program, and by top dressing pastures for early spring and late fall grazing with nitrogen.
- (5) Conduct a demonstration on control of forage crop insects and weed pests with assistance of Entomology, Weed Control and Agronomy Specialists during February on the use of Granular Heptachlor and Chloro I.P.C., and in April with Heptachlor spray if necessary in cooperation with insecticide and farm machinery dealers.
- (6) Conduct tour of quality hay producing area of the State.

c. Goals for 1958

- (1) 330 acres of new alfalfa seeded.
- (2) 2,300 acres of alfalfa top dressed with 0-10-20.
- (3) 7,300 acres of pasture top dressed with mixed fertilizer.
- (4) 600 tons additional grass silage produced
3,300 tons total additional forage equivalent.

6. Animal Husbandry

a. Situation - As to 1000# forage consuming animal unit equivalents of livestock in county:

(1) Horses	1118
(2) Dry Cows	3744
(3) Heifers	1325
(4) Steer bulls & steer calves	2459
(5) Sheep	<u>808</u>
Total animal unit equivalents	9454 A.U.

- (6) Top requirements @ 25# per day X 365 X 9454 = 43,633 T
Prorated shortage for livestock A.U. @ .57 T per A.U. = 5,400 T
Other needs are:
- (a) better quality forage
 - (b) better quality livestock
 - (c) more sheep in place of low quality cattle
 - (d) better distribution of income through adjustment of enterprises
 - (e) more efficient methods of management
 - (f) more efficient methods of marketing
 - (g) control of stray dogs
 - (h) record keeping

b. Extension Methods

- (1) Inform public of the situation through Animal Husbandry committeemen, circular letter, press, radio and TV.
- (2) Cooperate with Agronomy and Dairy committees on tour to quality hay producing area, including Front Royal and Blacksburg.
- (3) Promote use of meat type hogs through informational articles, Area Fat Stock Show and County Fair.
- (4) Promote improved quality of livestock through mass information on culling, quality sires through purebred sales and faster growing and gains through parasite control information and demonstrations.
- (5) Encourage substitution of selected native or good type weather ewes for flock foundation and replacement for low producing beef cows.
- (6) Demonstrate docking and castrating to conform to stockyard packer ruling to sell buck lambs separate, and write circular letter to all producers.
- (7) Promote Returns-Per-Ewe contest to encourage better management practices.
- (8) Promote dipping in custom vat after shearing.
- (9) Continue educational program on control of stray dogs by publicizing pictures and articles on results of attacks on sheep and other livestock.
- (10) Establish demonstrations in record keeping on livestock enterprises as a means of increasing efficiency of management.
- (11) Assist individuals in adjusting enterprises to capabilities of farm availability of labor, and aptitudes of operator through farm and home management personnel.
- (12) Assist individuals in distributing production and marketing of livestock as uniformly as possible to assure a more steady income from the optimum number of enterprises for a particular farm by analysis of farm and home situations.

7. Dairy Husbandry

a. Situation as to forage needs for animal unit equivalents

- | | | |
|---------------------------------|-------------|--|
| (1) No. dairy cows @ 1 A.U. | 6791 | |
| (2) No. dairy heifers @ .5 A.U. | 1325 | |
| Total animal unit equivalents | <u>8116</u> | |
- (3) Top requirements @ 25# per day X 365 X 8116 * 37,000 T
(4) Needs - (a) prorated shortage for dairy A.U. @ .57 T = 4,626 T
(b) No. cows bred artificially 1400 = need 3000 bred
(c) No. cows in DHIA 900 need 1500 in DHIA
(d) Total per capita consumption of fluid milk in county

b. Extension Methods

- (1) Have committee cooperate with Agronomy and Animal Husbandry committees in 12 month forage program and quality hay and forage tour to increase quality and amount of forage produced
- (2) Continue efforts to build DHIA membership to promote culling, selection and feeding.
- (3) Work with Artificial Breeding Association to improve quality of breeding.
- (4) Form combined Dairy-Nutrition committee to plan program to increase per capita consumption of fluid milk in cooperation with all milk organizations, distributors, grocers, radio, newspapers, and other advertising agencies.

c.

Goals for 1958

- (1) Increase forage to 25# per day per cow
- (2) Reduce cow numbers by removing low producing 5%
- (3) Strive to get 2000 cows bred in county per year, and 1500 cows in DHIA
- (4) Increase per capita consumption of milk by 10%.

8. Forestry

a. Situation -

(1) Total land area in county	252,800 acres
(2) Total woodland area in county	131,600 "
(3) Average woodland area per farm	46.7 " (1447 farms)
(4) Farm owned woodland grazed	25,011
not grazed	21,265 <u>46,276</u>
(5) Public woodland area	17,805
Total public woodland and farm woodland area	64,081
Privately owned non-farm woodland area	67,519 131,600

Needs are:

- (a) For all farm woodland owners to adopt suitable ASC forestry practices
- (b) Assistance to farmers in setting tree seedlings
- (c) More use of assistance available through State Forest Service in examination and marking farm woodlots for improvement cuttings
- (d) Protection from fire and grazing.

b. Extension Methods

- (1) Promote adoption of more forestry ASC practices by working with ASC County and Community committees and SCS personnel to acquaint all woodlot owners with economic advantages.
- (2) Point out value of forest products derived from improvement cuttings of farm woodlots after examination and marking, and recommendations by Virginia Forest Service personnel.
- (3) Work with ASC committees to assist farmers in setting seedlings at proper time with tree setting crews.
- (4) Visit forestry demonstration plots on farms of W. E. Hubbert, Blacksburg; Bobby Styne, Riner; and R. G. Broce, Narrows Run.
- (5) Work with Forest Warden committee to promote and provide leadership for 4-H forestry project sponsored by Radford Kiwanis Club.
- (6) Visit, encourage and publicize ASC forestry practice farms.

c. Goals for 1958

- (1) Get 25 farmer to carry out some forestry practices.
- (2) Get all timber sold marked by Virginia Forest Service
- (3) Have 25 4-H forestry projects
- (4) Secure 50,000 tree seedlings.

9. Poultry

a. Situation

- (1) Total poultry products sold in 1954 - \$103,245

Broilers \$14,100

Eggs 72,471

\$86,577

Total all chickens on hand 1954 \$ 46,860

- (2) Montgomery's rank in poultry in State - 73rd.
- (3) Recent population increase of 40% has created a good potential market for locally produced eggs.
- (4) Needs of the county are:
 - (a) larger more economical sized flocks
 - (b) more information on grading and quality
 - (c) more knowledge of modern type laying hen
 - (d) more education on management practices- feeding, lights, breeding, ventilation, sanitation, and parasite and disease control.

b. Extension Methods

- (1) In order to meet the above situation and needs, a survey will be made to locate present and potential egg producers.
- (2) The producers thus located will be mailed material on commercial egg production, estimated cost and returns on egg enterprise, housing, equipment and field requirements.
- (3) A committee meeting with a Specialist will be called to plan a meeting for the producers interested.
- (4) Producers, committeemen, bankers and feed dealers and grocerymen will be invited to the meeting which will be held in March.

c. Goals for 1958

- (1) Install at least four 1,000 hen laying units
- (2) Investigate other possible sources of income from poultry, including establishment of a broiler processing plant.

10. Farm and Home Management

a. Situation

- (1) Approximately 50 farm homes are now in various stages of planning
- (2) Individual farm and home management planning is increasing in importance due to a decrease in industrial employment in the area necessitating adjustments in number and kind of enterprises.

b. Extension Methods

- (1) Committee meeting will be held in March to discuss and review the present list of names and the status of each as to progress made todate.
- (2) Individual visits will be made as necessary and time permits to assist in planning, management and record keeping.
- (3) New names will be added to the list as requests come in from individuals or committeemen; as new farm families come into the county, purchase farms in the county; or as families decide to change enterprises or add new enterprises.

(4) Dairy Fieldmen and other agencies will assist in locating and planning with individuals where this is agreeable with all concerned.

c. Goals for 1958

- (1) Make some definite plans with each of the 50 families listed at the present time and analyze their situations as to alternatives.
- (2) Bring all files up to date on each individual family including farm analysis, farm records to be kept and enterprises to be selected.

11. Community Improvement

a. Situation

- (1) Montgomery County has over 20 well defined communities.
- (2) Fifteen of these have had local community clubs organized during the past six years.
- (3) Four community clubs are now active, while three local Granges operate in the three other communities.

b. Extension Methods

- (1) All the above clubs were invited to participate in a planning meeting where farm, home and community projects were suggested.
- (2) Dr. George Blume, Rural Sociology Specialist outlined methods of organizing clubs and building annual programs around the objectives.
- (3) Mr. E. A. Hicks, Landscape Engineer, State Highway Department, would cooperate with clubs on improving roadsides.
- (4) Mrs. Martha Horne, A.E.F. Co., Home Economist, explained how a local power company could assist in a home lighting improvement project.
- (5) The agent outlined farm improvements that would be of importance during the year and in which the clubs could assist in promoting the Extension program.
- (6) A meeting of the County Improvement Council Executive Committee, composed of Immediate Past President, President, Vice-president, and Secretary, will be called in March to meet with the agents to plan each of the remaining three quarterly meeting programs for the year, which will assist individual clubs in carrying out their farm, home, and community projects.

c. Goals for 1958

- (1) Have at least four community clubs compete in the area contest.
- (2) Assist each club in building its program around its farm, home and community projects.
- (3) Encourage at least one new community to participate in the contest.
- (4) Assist all communities where leaders can be found to form some type of community organization.

12. 4-H

Club

a. Situation

- (1) There are 4448 boys and girls in 4-H club age in Montgomery County, seven hundred and fifty-eight or 17% of which are enrolled in 23 4-H clubs and 83% not enrolled.
- (2) There is a County 4-H Council which meets quarterly, a Senior 4-H club composed of all members of the county 14 years or over, which assists in keeping records complete and whose members try to get the maximum members enrolled in all possible achievement, demonstration, and contest awards.

- (3) There was organized in January an Adult 4-H Leaders Committee, with membership on the Agricultural Extension Service Board, which listed needs and made recommendations for improving 4-H work.
- (4) Needs listed were:
 - (a) keeping members enrolled longer
 - (b) entering more District Area and National Contests
 - (c) Interesting more people in becoming adult leaders.

b. Extension Methods

- (1) Community Improvement Clubs will continue to sponsor 4-H club work on a community basis and help build membership by encouraging their boys and girls to enroll either in local clubs or in clubs organized in schools.
- (2) Two District Camps will be participated in- Camp Summers for a younger group and Virginia Beach for members 14 and over.
- (3) Existing 4-H Council, Senior 4-H club and Adult Leaders Committee will promote interest among members in project completion, awards and contests.
- (4) Livestock and dairy judging teams will be trained and entered in District and State Contests.
- (5) Livestock project members will exhibit at local Fat Lamb Show, County Fair, Roanoke Area, and Atlantic Rural Shows.
- (6) All clubs will be encouraged to participate in the W.S.L.S. Record Completion Contest.
- (7) A 4-H Achievement program will be held.
- (8) All clubs will be encouraged to exhibit at the County Fair.
- (9) National 4-H Week will be observed by radio, talks, TV programs, and news articles with 4-H Ads being sold in the local weekly paper, a 4-H Religious Service and a Fellowship Supper for members, parents and guests.
- (10) Contests in forestry, sheep shearing, public speaking and tractor driving, will be conducted
- (11) Solicit sponsors for prizes and bids on livestock shows.

c. Goals for 1958

- (1) Increase enrollment to 20% of eligible age or 800+ members.
- (2) Retain 50% of members in 4-H after entering High School.
- (3) Train 50% or more adult leaders to assume duties of organization and conduct of local club meetings.

13. Minor Projects

a. Dairy and Nutrition (See Dairying)

- (1) Extension Methods
 - (a) Representatives of Dairy and Nutrition committees will meet in March and plan a county wide meeting of selected dairymen, milk distributors, grocerymen, restaurant, hotels, radio and newspaper men, Home Demonstration clubs and other home economics groups, to map a program to promote the use of more milk in the diet in the county and City of Radford.
- (2) Suggestions will be compiled and a plan adopted for promotional activities including posters, ads by local dairymen, special placards in restaurants, hotels and grocery stores, emphasis on milk during Dairy month, special milk issue of local paper dedicated to better nutrition.

- (3) Goals for 1958
 - (a) Increase per capita consumption by 5%
 - (b) Increase total Class I fluid milk base by the same amount for the area

- b. Farm and Home Lighting
 - (1) Extension Methods
 - (a) Call meeting of committee in March, representing Community Improvement and other local organizations, Home Demonstration Clubs, Power Suppliers, Bankers, Equipment Dealers and Professional Leaders, to plan an educational program calculated to make home and farm owners light conscious.
 - (b) Set up a model demonstration home and farm in County for tours and individual visits.
 - (c) Conduct a survey to determine average number outlets per room and per farm.

 - (2) Goals for 1958
 - (a) To increase the average number of outlets per room and per farm building in the county by 5%.

- c. Farm and Home Water Systems
 - (1) Extension Methods
 - (a) Form and call a meeting of a committee in March composed of representatives of Community Improvement and other local groups, Home Demonstration Clubs, Equipment Dealers, Bankers, and Professional Workers, including Dairy Fieldmen, to map a program to reach people who do not now have water under pressure in homes or on farms and do not ordinarily make use of assistance available, to discuss water systems with them.
 - (b) Select a farm and home installing a water system, for tours and individual visits.
 - (c) Conduct a survey to determine number of families installing water systems.

 - (2) Goals for 1958
 - (a) Install 20 water systems in homes and on farms in county.

- d. Farm and Home Produce Curb Market
 - (1) Extension Methods
 - (a) Form and call a meeting of a committee in March composed of representatives of Agricultural Economics Specialists, general farm organizations, small fruit, vegetable and other interested commodity groups, bankers, business and civic leaders to study and investigate the feasibility of such a market.
 - (b) Make necessary surveys to determine volume of business, capital necessary for operation and other problems.
 - (c) Visit several similar markets now in operation and report findings to committee and organizations interested.

 - (2) Goals for 1958
 - (a) To determine feasibility of a farm and home produce curb market and set up necessary organization if reports of committee are favorable.

14. Calendar of Work for 1958

- a. Teaching Activities for December
 - (1) Hold preplanning conference with Specialists on major commodities and activities pertaining to county and establish dates for committee planning meetings.
 - (2) Attend District and Area Training Schools for agents on all commodity and organization problems.
- b. Teaching Activities for February
 - (1) Continue attendance at Training Schools and attend State commodity and organization annual meetings when possible.
 - (2) Call Committee Planning meetings of all commodity committees to list major problems and get recommendations for activities to be included in Long-Time and Annual Extension Programs of Work.
 - (3) Call meeting of Agricultural Extension Service Board representatives of all committees, including Home Economics, commodity groups, community groups, 4-H Council and Adult leaders, business, civic and professional workers, to review and approve committee recommendations and to revise or add additional recommendations.
 - (4) Hold timely planning meetings of 4-H and Community Councils, demonstrations, and write necessary informational articles regarding production of commodities, such as, management, future sales, etc.
 - (5) Write County Extension Plan of Work based on committee recommendations, committee meetings, conferences and training schools.
- c. Teaching Activities for March
 - (1) Call and conduct committee meetings in:
 - (a) Dairy and Nutrition to plan for county wide meeting.
 - (b) Poultry committee and producers (eggs and broilers) meeting.
 - (c) Farm and Home Lighting committee meeting.
 - (d) Farm and Home Water Systems committee meeting.
 - (e) Farm and Home Curb Produce Market committee meeting.
 - (f) Community Improvement Council Executive committee meeting, to plan quarterly programs.
 - (g) Select members of above committees in cooperation with home agents and other agency workers . (1) Publicize seeding alfalfa and top dressing, and write all livestock producers re forage program.
 - (h) Arrange for spring cattle sales, shows and District Contests.
 - (i) Hold Forestry committee meeting to plan for tree setting crews with Carl Holcomb, Extension Forester.
- d. Teaching Activities for April
 - (1) Arrange for the following:
 - (a) Write agents for eligibility of 4-H members for District Contest.
 - (b) Livestock Judging Tour , Bedford and Northern Virginia.
 - (c) Attend purebred livestock sales in area with farmers as requested. Select and take livestock judging team for practice.
 - (d) Select and take Dairy Judging Team to judging clinic, Floyd, Montgomery, G. W. Wall and Walnut Grove.
 - (e) Assist with Spring Feeder Calf-Yearling Sale at Christiansburg, April 11.
 - (f) Hold Weed Control meeting with Allen Kates for Young Farmers Club at Riner, Friday, April 11. Outline plan and calendar.

- (g) Check on alfalfa weevil damage and disseminate information on control by circular letter and demonstration with the assistance of Entomologist.
 - (h) Arrange for Sheep Shearing Schools and take top men to District or Area Contest.
 - (i) Select bids, fit calves and hogs, and exhibit at Roanoke Area Fat Stock Show, 17-18.
- e. Teaching Activities for May
- (1) Arrange tour to quality hay producing area.
 - (2) 4-H Sheep Shearing Schools and Area Contest.
 - (3) District Contest in Judging and Forestry and Public Speaking.
 - (4) Get 4-H certificates of eligibility to chairmen of Contest Committees for District Contest, May 17.
 - (5) Conduct meeting on Pole Barn and Bunker Silo construction with Dan Kite, at Riner Young Farmers Club, Friday 9.
 - (6) Assist in conducting District 4-H Contest, on the 17.
 - (7) Assist in 4-H Fat Lamb Show at local stockyards.
- f. Teaching Activities for June
- (1) Conduct "June is Dairy Month" program- emphasize consumption.
 - (2) Assist with quarterly meeting of Community Improvement Club Council.
 - (3) Hold County Wool Pool.
 - (4) Write appropriate circular letter, news articles, on livestock management problems, including parasite control.
 - (5) Conduct demonstrations on dehorning, castrating calves, and dipping sheep.
- g. Teaching Activities for July
- (1) Conduct 4-H Camp at Camp Summers, June 30-July 5.
 - (2) Conduct 4-H Camp at Virginia Beach, July 28- August 2.
 - (3) Assist producers in securing replacement ewes and purebred rams.
 - (4) Conduct purebred ram sale, July 17.
 - (5) Remind sheep producers of dipping and treating for parasites.
- h. Teaching Activities for August
- (1) Remind sheep producers to treat for stomach worms.
 - (2) Write for consignments to yearling and feeder calf sales.
 - (3) Advertise sales- write article for Farm and Livestock.
 - (4) Attend Extension Conference
 - (5) Arrange for Committeeman to take feeder cattle promotional trip.
 - (6) Write letter to alfalfa producers encouraging August seeding of alfalfa, to top dress pastures for fall grazing.
- i. Teaching Activities for September
- (1) Make final arrangements for feeder sales.
 - (2) Write letter on correct storage of hay and silage.
 - (3) Check on and assist with minor projects.
 - (4)
 - (5)
 - (6)
 - (7)

j. Teaching Activities for October

- (1) Assist with Feeder Sales- Southwest Virginia Angus, Fall Yearling and Feeder Calf.
- (2) Assist individuals in marketing grass fat cattle and in feeding and marketing grain fed cattle.
- (3) Publicize and write farmers on fall management practices.
- (4) Arrange for Community Improvement Judging.
- (5) Notes
- (6)
- (7)

k. Teaching Activities for November

- (1) Conduct Forestry Tours- W. E. Hubbert, R. G. Broce, and Bobby Stynes, with committee and Forestry Specialists.
- (2) Publicize winter management practices and write circular letter to farmers on Parasite Control in livestock.
- (3) Write Annual Report.
- (4) Take Annual Leave.
- (5) Attend Area Community Improvement Contest Awards Luncheon.
- (6) Notes
- (7)