

SEPTEMBER

<u>Activity</u>	<u>Responsibility</u>	<u>Assistance</u>
Final Judging 4-H	County & Home	Specialist
Garden Projects	Agents	
Fruit Growers Meeting	County Agents	Specialists
Feeder Calf Sale Meetings	County Agents	Consignors
Tobacco Grading		
Demonstrations	County Agents	Specialists
Field Day V.P.I.		
Experiment Station	Extension Workers	Specialists
Organize 4-H Clubs	County & Home	Leaders &
	Agents	Specialists
4-H County Council	County & Home	
Meeting	Agents	Leaders
Farm & Home Development		
Program	County & Home	Specialists
	Agents	

OCTOBER

County Fair	Rotary Club	Agriculture Workers
Feeder Calf Sale	County Agents	Specialists
Agronomy Meeting	County Agents	Members
Fruit Growers Meeting	County Agents	Specialists
Community Club Meetings	County & Home	Specialists &
	Agents	Leaders
Community Club Judging	County & Home	Leaders &
	Agents	Agents
4-H Club Meetings	County & Home	Leaders
	Agents	
Farm & Home Development	County & Home	
Program	Agents	Specialists
Fruit Packing & Grading		
Demonstration	County Agents	Specialists

NOVEMBER

Pruning Demonstration	County Agents	Specialists
County Service Board		
Meeting	County Agents	Members
Fruit Growers Meeting	County Agents	Specialists
Judging Community Clubs	County & Home	
	Agents	Specialists
4-H Club Meetings	County & Home	
	Agents	Leaders
Farm & Home Development	County & Home	
Program	Agents	Specialists
Forestry Meeting	County Agents	Specialists

In the calendar of work, only the main subjects that we plan to carry out each month during 1958 are included.

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JUNE (continued)

<u>Activity</u>	<u>Responsibility</u>	<u>Assistance</u>
Farm & Home Development Program	County & Home Agents	Specialist
Senior 4-H Club Camp	County & Home Agents	Leaders & Specialists

JULY

Senior 4-H Camp	County & Home Agents	Leaders
Holiday Lake	County & Home Agents	Leaders & Specialists
4-H Recreational Meetings	County & Home Agents	Leaders & Specialists
Junior 4-H Camp	County & Home Agents	Leaders & Specialists
Holiday Lake	County Agents	Leaders
4-H District Dairy Show	County Agents	Agricultural Workers
Farmers Visit Chatham Experiment Station	County Agents	Specialists
Tour of Tobacco Variety Demonstration	County Agents	Specialists
Four-County Farmers Day	County Agents	Specialists
Fruit Growers Meeting	County Agents	Leaders & Specialists
Senior 4-H Camp	County & Home Agents	Agents
Virginia Beach Institute of Rural Affairs	Extension Workers	Agents
Community Club Meetings	County & Home Agents	Leaders & Specialists
Farm & Home Development Program	County & Home Agents	Specialists
4-H Conservation Camp	County & Home Agents	Specialists

AUGUST

Senior 4-H Camp	County & Home Agents	Leaders & Specialists
Virginia Beach	County Agents	Agriculture Workers
Fall Pasture Meetings	County Agents	Specialist
Tobacco Grading Demonstrations	County Agents	Specialists
Alfalfa Seeding Demonstrations	County Agents	Specialists
Pasture Tours	County Agents	Specialist
Fruit Growers Meeting	County Agents	Agents
Annual Extension Conference	Extension Workers	Leaders & Specialists
Community Club Meetings	County & Home Agents	Specialists
Farm & Home Development program	County & Home Agents	Specialists
4-H Electric Congress	County & Home Agents	Specialists & Leaders

RM

APRIL

<u>Activity</u>	<u>Responsibility</u>	<u>Assistance</u>
4-H Club Meetings	County & Home Agents	Leaders
4-H Demonstration & Judging Team Training Sessions	County Agents	Specialist
Fruit Growers Meeting	County Agents	Specialist
Farm Building Meeting	County Agents	Specialist
Artificial Breeding Meeting	County Agents & Directors	Leaders & Specialist
Community Club Meetings	County & Home Agents	Leaders & Specialist
Farm & Home Development Program	County & Home Agents	Specialist

MAY

4-H District Judging Contests	County & Home Agents	Leaders & Specialists
4-H Club Meetings	County & Home Agents	Leaders
Fruit Growers Meeting	County Agent	Specialist
Community Club Meetings	County & Home Agents	Leaders & Specialist
Judging 4-H Club Pig Chain Project	County Agents	Specialist
Plans for 4-H Club Camp and Short Course	County & Home Agents	Leaders
T.V.A. Farm Tour	County Agents	Specialist
Artificial Breeding Meeting	Agents & Leaders	Specialist
Spraying Demonstration for Control of Alfalfa Weevil	County Agents	Specialist

JUNE

4-H Short Course	County & Home Agents	Leaders & All Stars
4-H Recreational Meetings	County & Home Agents	Leaders
Fruit Growers Meeting	County Agents	Specialist
County Wool Pool	County Agents	Leaders
Scoring 4-H Pig Projects	County Agents	Specialist
Scoring 4-H Garden Projects	County & Home Agents	Specialist
4-H All Star Conference	County & Home Agents	Specialists
4-H Electric School	County & Home Agents	Power Company
Community Club Meetings	County & Home Agents	Leaders & Specialist

FEBRUARY

<u>Activity</u>	<u>Responsibility</u>	<u>Assistance</u>
Fruit Growers School	County Agents	Specialists
Dairy Meeting	Specialist	County Agents
Community Club Meetings	County & Home Agents	Leaders & Specialists
Entomology Meeting	Specialist	County Agents
Artificial Breeding Meeting	Director's & County Agents	Leaders & Specialists
Milk Producers Meeting	County Agents	Specialists
4-H Club Meetings	County & Home Agents	Leaders
Communications Meeting	Specialist	County & Home Agents
Farm & Home Development	County & Home Agents	Specialist
T.V.A. Demonstrations	County Agents	Specialist
Poultry Meeting	County Agents	Specialist
Garden Meeting	County Agents	Leaders
Planning Meeting for County Fair	Rotary Club	Agriculture Workers

MARCH

4-H County Council Meeting	County & Home Agents	Leaders & All Stars
4-H Achievement Day	County & Home Agents	Leaders, Officers, & Specialist
Observation of National 4-H Club Week	4-H Club Members	County & Home Agents
Corn Production Meeting	County Agent	Adult Leaders
County Agriculture Service Board Meeting	County & Home Agents	Specialist
Weed Control Meeting	County Agents	Leaders
Community Club Meetings	County & Home Agents	Specialist
4-H Leader Training Meeting	County & Home Agents	Leaders & Specialists
Forestry Demonstration	County Agents	Specialists
4-H Club Meetings	County & Home Agents	Leaders
Garden Meeting	County & Home Agents	Specialist
Sheep Meeting	County Agents	Specialist
4-H Record Meeting	County & Home Agents	Leaders
Fruit Growers Meeting	County Agents	Specialist
Farm & Home Development Program	County & Home Agents	Agents
4-H Judging Training Meeting	County Agents	Leaders & Specialists

J. Agriculture Engineering

1. Situation

Telephone service and installing running water under pressure is our main problem in the county. Only about 400 families have telephones and only 875 families have piped running water in homes.

2. Goals For 1958

- a. Fifty new telephones in home.
- b. Thirty families install running water in homes.
- c. Forty families install bathrooms in homes.

III. CALENDAR OF WORK FOR 1958

DECEMBER

<u>Activity</u>	<u>Responsibility</u>	<u>Assistance</u>
Dairy Committee Meeting	County Agents	Leaders & Specialists
Farm Income & Social Security Meeting	County Agent	Specialist
4-H Planning Meeting	County Agents	Leaders & Specialists
Community Club Meetings	County & Home Agents	Leaders & Specialists
4-H Camp Planning Meeting	4-H Club Dept. & Specialists	County & Home Agents

JANUARY

Farm Income & Social Security Meeting	County Agents	County Agents
Community Club Meetings	County & Home Agents	Leaders & Specialists
Tobacco Meetings	County Agents	Specialists
D.H.I.A. Meeting	County Agents	Specialists & D.H.I.A. Tester
Treating Livestock For Internal Parasites	County Agent	Veterinarian
Rabies Program	County Agent	Veterinarian
Poultry Meeting	County Agents	Specialists
State Dairyman Meeting	Leaders	County Agent & Spec.
Agronomy Meeting	County Agents	Leaders
Fertilizer Meeting	Specialists	County Agents
4-H Club Meetings	County & Home Agents	Leaders

1. Situation

Poultry has been on the decrease in the county for the past several years. The big problem with poultry in our county is a market. If we could locate a market, we could get some farmers interested in producing poultry as an enterprise.

2. What Will Be Done In 1958 To Meet These Needs

- a. Have several poultry meetings in county to try to create interest in this program.
- b. Two meetings were held last fall in poultry and if we can get enough farmers interested in going into the poultry business, we have located a good market for the eggs.
- c. Plan to start five 1000 bird flocks in county in 1958.

I. Community Clubs

1. Situation

We have seven community clubs in the county. These seven clubs have been very active this past year; some outstanding community projects have been carried in building club houses, road signs, name plates on mail boxes, farm signs, cleaning up cemeteries, increasing family food supply, using more lime and fertilizer, rabies control, T.B. and Bangs testing of livestock, seeding alfalfa and new pasture and various other things that have been accomplished. Other communities have noticed what accomplishments these communities have made and are interested in organizing a community club in their sections.

2. Goals For 1958

- a. Organize two community clubs.

2. What Will Be Done In 1958 To Meet These Needs

We will continue to work with the families already started. The help of the State Extension Specialist will be needed on some problems. Most of the work in this program will be done through personal visits to the farms.

3. Goals For 1958

- a. Start ten new farm families in the Farm and Home Development Program.

G. Forestry

1. Situation

Forest products in the county has continued to decline for the past several years. Most of the forestry is being cut in the county regardless of size when a boundry of timber is sold. The main need in our forestry program is to increase our plantings of young trees and also to do a better job in management of our forestry.

2. What Will Be Done In 1958 To Meet These Needs

- a. Through meetings during the year, with the assistance of State Extension Specialists, give farmers information on management and care of their timberland.
- b. Use all types of media during the year in giving information on forestry management.

3. Goals For 1958

- a. Plant 100,000 seedlings in 1958.
- b. Nominate one farmer for a tree farm award.
- c. Have five 4-H club members plant forestry seedlings in 1958.
- d. Enroll fifteen 4-H Club members in forestry project.

H. Poultry

- d. Club members.
- e. Extension specialists.
- f. Interested individuals.

7. Goals For 1958

- a. Secure two more project leaders.
- b. 80% completion of projects.
- c. Enter two outstanding club members in State 4-H Contests.
- d. Organize an Honor Club.
- e. Place three 4-H Signs on highways entering the county.
- f. Conduct a county-wide recreational meeting.
- g. Enter contestants in all possible district contests.
- h. A club member from each club attend 4-H Camp.
- i. Increase effectiveness of County Council.
- j. Conduct County Council meetings and Achievement Day Program.
- k. Organize new clubs and increase enrollment.
- l. Better selection of projects by club members.
- m. Visit as many club members as possible and discuss projects and 4-H Club work with parents.
- n. Give public recognition and awards to outstanding club members.
- o. Demonstrations at more club meetings by club members.

8. Specialist And Other Help Needed

Assistance will be needed in training the various judging and demonstration teams which will be obtained from the various subjects matter specialists from V.P.I.

F. Farm and Home Development

1. Situation

In 1957, fifteen families were worked with in the Farm and Home Development Program. All families on the farm side have been completed and most of them have made some changes which meant an increase in the income from the farm. More families need to be worked with in this program. The interest and attitude of the families that we have worked with has been excellent.

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3. What Will Be Done In 1958 To Meet These Needs

Club members will be urged to select and gain the interest of individuals who will serve as volunteer project leaders. An effort is being made by the County Council to organize a county-wide recreational meeting again this year.

The other needs of the club program will be treated in any manner that offers an effective solution.

4. Methods of Getting The Program To The People

The 4-H Club program and activities will be carried to the public as effectively as possible with special emphasis being placed on the following:

- a. Newspapers.
- b. Letters.
- c. Radio and television whenever available.
- d. Club meetings.
- e. Conversation with individuals.

5. When Each Job Will Be Done

Activities and achievements of 4-H Club work and individual club members will be written up for the newspapers whenever they occur.

Letters and club meetings will be used at all times as well as conversation with individuals.

6. Who Will Cooperate On Program

Cooperation in conducting the 4-H Club program will include all interested individuals and organizations which will aid the program .

- a. Extension agents.
 - b. 4-H County Council.
 - c. Leaders.
- RM

E. 4-H Club Work

1. Situation

The 4-H Club program in Patrick County is organized and conducted in a similar manner to that followed by most counties in Virginia. The planning group for the 4-H Club program is the 4-H County Council which is composed of officers elected from the officers of the various 4-H Clubs and three 4-H Club leaders along with the Extension Agents. The leaders and agents serve in an advisory capacity.

In 1957 the total enrollment of 4-H Club members was 527 whereas in 1958 the enrollment is about the same. There were 27 clubs in 1957 and 29 in 1958. Three clubs with 95 members are in the consolidated colored school.

Interest in 4-H Club work is steadily increasing as is shown by the increased enrollment. Parental interest is improving as more parents learn what 4-H is doing for their children. Along with interested parents, comes better project work and projects, increased activities, and better 4-H Club members.

2. The Immediate Recognized Needs

The continued growth of the 4-H Club program shows several conditions which need improvement.

- a. More and better project leaders.
- b. An organized recreation program.
- c. Sponsorship of 4-H activities by interested civic organizations or private individuals or businesses.
- d. More active planning by the County Council.
- e. Audio visual and other demonstrations and instructional materials.
- f. More publicity.

There are eighty-six commercial fruit growers in the county with approximately 66,629 fruit trees of all ages. In 1957, there was a good crop of fruit in the county. Most of the fruit growers are doing a good job in growing their fruit, but the main need is to have a cold storage and a place for the small growers to pack and grade their fruit, this will realize much more income for his crop, along with the need of locating a better market for the fruit. We are also in the need of a processing plant where some of the fruit could be sold.

2. The Immediate Recognized Needs

- a. Need a storage plant and a place for the small growers to grade and pack their fruit.
- b. Need a processing plant in area for fruit growers to market fruit.
- c. Locate a fruit market for the small growers.

3. What Will Be Done In 1958 To Meet These Needs

- a. Make a survey of the fruit in the county and work with other areas and try to get someone to put a storage plant and also a place where the small growers can pack and grade their fruit.
- b. Will hold meetings with other fruit growers in the area and try to get a processing plant in the area.
- c. Will continue to hold regular monthly meetings of fruit growers, and will use State Extension Specialists at most of these meetings in giving information in producing a good fruit crop.
- d. Will hold a packing and grading demonstration at the September meeting at Bald Mountain Orchard.
- e. Will use all types of media such as T.V., radio, newspaper articles, bulletins, meetings, visits, in giving information to the fruit growers.

4. Goals For 1958

- a. Have 10,000 young fruit trees planted.
- b. Have a processing plant established in area.
- c. Enlarge storage plant in county,
- d. Have one grading and packing place for small fruit growers in county.

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milk for supplementary income, especially on the small farms that have only one enterprise for income such as tobacco. We have a plant located in the county that will buy manufactured milk.

2. The Immediate Recognized Needs

- a. Locate a better market for Grade A producers.
- b. Cull out low producing cows.
- c. Grow their own heifers for replacements in their dairy herds.
- d. Grow enough feed on the farm to supply the dairy herd.

3. What Will Be Done In 1958 To Meet These Needs

- a. Continue to work with the dairy farmers in trying to locate a better market for Grade A milk.
- b. Through regular monthly meetings, discuss feeding, breeding, and management of the dairy herd.
- c. Send out timely information on dairying during the year.
- d. Have two field tours, one in May and one in August, and visit herds on tour that are doing D.H.I.A. testing and have farmers to discuss what their program has meant to them.
- e. Put on T.V. and radio program in May and September on dairying.
- f. At our regular monthly meetings, will use Extension Specialists to be on the program to discuss some of the dairy problems.
- g. Through personal visits during the year, give information on dairying to the farmer.

4. Goals For 1958

- a. Enroll four new members in D.H.I.A.
- b. Enroll ten farmers in weigh-a-day program.
- c. Have fifty farmers to start selling manufactured milk for supplementary income.
- d. Have five D.H.I.A. herds to produce 400 pounds butterfat.
- e. Have one D.H.I.A. herd to produce 500 pounds butterfat.
- f. Have twenty Grade A herds to produce over 300 pounds butterfat.

D. Fruit

1. Situation

There is approximately 3,500 head of beef cattle, 2,300 head of hogs, and 400 head of sheep in the county. The need in our livestock is to increase the number of sheep in the county as most of the county is adapted for raising sheep and income from sheep has been good for the past several years. We need to improve on the quality of beef cattle, sheep, and hogs that we have.

2. What Will Be Done In 1958 To Meet These Needs

- a. Through meetings during the year, we will use County Extension and State Extension Specialists to discuss methods that farmers can use to improve the quality of their livestock.
- b. The agents will assist farmers in selecting good animals for their herds.
- c. Give farmers information on livestock management through T.V., radio, meetings, newspaper articles, bulletins, office calls, and personal visits.
- d. Assist farmers with putting feeder calves in the various sales in the area.
- e. Assist sheep growers in marketing wool in a county-wide pool.

3. Goals For 1958

- a. Market 150 head of calves in feeder calf sales.
- b. Have 10 sheep growers select Blue Circle Lambs and keep them for breeding purposes.
- c. Start five Angus herds in county.
- d. Have two sheep growers enter pound per ewe contest.
- e. Have one Pig Parlor in county.
- f. Have 50% farmers vaccinate calves for control of Blackleg and Bangs disease.

C. Dairy

1. Situation

The main need for the dairy farmers in the county is to increase the number of pounds of butterfat and milk per cow. We need to find a better market for some of our Grade A producers. More of the small farmers should keep a few cows and sell manufactured

3. What Will Be Done In 1958 To Meet These Needs

- a. Will have two tobacco meetings in January, one at Ararat and one at Critz. Mr. E. M. Matthews, Associate Extension Agronomist, will assist with these meetings in discussing management practices, in growing good quality tobacco.
- b. Will hold three tobacco grading demonstrations in August and September.
- c. Will hold two tobacco plantbed demonstrations.
- d. Will hold two pasture tours, one in May and one in August. Farmers, County Agents, and Extension Specialists, will be the discussion leaders on these tours.
- e. In January and February, will hold meetings in the various communities and discuss some of the agronomy problems.
- f. In February, will hold meetings in county and invite seed and fertilizer dealers to attend and encourage them to assist farmers in getting the seed and fertilizer that is recommended for the various crops and pastures.
- g. Will use our four T.V.A. farms as demonstrations farms and write farmers in these communities to visit these farms.
- h. Hold two spraying demonstrations in February for control of chickweed.
- i. Hold one spraying demonstration for control of alfalfa weevil.
- j. Have one demonstration with granulated insecticide for control of alfalfa weevil.
- k. Will use all other types of media to get information to the farmers, such as T.V., radio, timely newspaper articles, letters, bulletins, office calls, telephone and personal visits.

4. Goals for 1958

- a. Increase the yield of corn 5 bushels per acre.
- b. Seed 400 acres new alfalfa.
- c. Have 100 farms spray alfalfa and other crops for control of chickweed.
- d. Have 25 farmers seed sudan grass for supplementary pasture and hay.
- e. Spray or use granulate insecticide on 600 acres of alfalfa for control of alfalfa weevil.
- f. Increase the yield of alfalfa 0.2 tons per acre.
- g. Establish two new T.V.A. farms in county.
- h. Have three farmers grow aromatic tobacco for supplementary income.

B. Livestock

1. Situation

These committees met at various times during the year and discussed the situation of the county and also suggested objectives for the year and how and when they should be carried out.

II. MAJOR PROJECTS FOR 1958

A. Agronomy

1. Situation

Patrick County is a rolling and mountainous county and is adapted for growing good pastures and hay crops. In 1940, we had 20,972 acres in cropland, in 1956, this had been reduced to 12,429. In 1940 we had 17,203 acres of corn with an average yield of 18.1 bushel. In 1956, we had reduced this to 7,634 acres with an average yield of 33.2 bushel per acre. Our immediate need is to increase our production per acre in crop yields, also increase the carrying capacity of livestock on our pastures. We need to increase the number of acres of alfalfa grown in the county.

2. The Immediate Recognized Needs

- a. Increase the number of acres of alfalfa in county.
- b. Increase the carrying capacity of livestock per acre on our pastures.
- c. Increase the yield of hay crops and other crops.
- d. Grow quality tobacco rather than quantity of tobacco per acre.
- e. Have soil tested before planting the various crops.
- f. Grade tobacco before marketing it.
- g. Use two to three year rotation on growing tobacco.
- h. Increase the amount of fertilizer per acre on corn and hay crops, also most pastures need more fertilizer per acre.
- i. Treat tobacco planted for weeds, disease and insect control.
- j. Treat pastures and hay crops for control of chickweed.

small tobacco allotment in the soil bank and gone to town to secure employment, also the new social security law that went into effect for farmers in 1955 has been of great help to some of the older farmers as several of them are now getting social security benefits this year.

The dairy situation in the county has seemed to level off and farmers are getting a fair price for their milk now, also several of our Grade A producers have found better markets to sell their milk.

This past year, most of the fruit growers in the county had a good crop and received a good price for most of their fruit.

All farm programs in the county have been of great help to farmers and more and more farmers are participating in these programs.

The advance weather conditions in the county this past year in some sections of the county cut the yield of crops such as tobacco, hay, corn, and also affected the pastures in the county.

The financial situation of most of the average size farms in the county is good, but the small farmers and the farmers that are buying farms are having a hard time of meeting their obligations. We have found in the county that the farmers that are diversifying are doing a better job than the farmers that are depending on one enterprise for their income.

The County Extension Plan of Work for 1958 was developed with the assistance of the County Agricultural Service Board, Special Interest Groups, and the different commodity groups.

PATRICK COUNTY EXTENSION PLAN OF WORK FOR 1958

I. GENERAL DESCRIPTION OF THE COUNTY

Patrick County is a mountainous county and lies in the southside and southwestern part of the state. It is bordered by the following counties: Floyd, Franklin, Henry, and Carroll Counties in Virginia and by Surry and Stokes Counties in North Carolina. The county covers an area of 485 square miles and consists of 2,255 farms containing 208,077 acres of land. The average size of the farms in the county is 89.9 acres and the population of the county is 15,787. The main crop enterprises in the county are tobacco, fruit, corn, dairy and beef cattle being the main livestock enterprises. The trends in agriculture in the county is that the farms are getting larger and the number of farms smaller. The number of part-time farmers is increasing each year, the reason for this is that the small farmer is not able to support his family from the farm and has to secure income from other enterprises. Income for part-time farmers and non-farm families is derived from the United Elastic Plants, Stuart Knitting Company, Patrick County Cannery, Stuart Lumber Company, and DuPont and furniture factories in Henry County.

There are 1050 flue-cured tobacco farms in the county with an average allotment of 1.9 acres per farm, due to the twenty percent cut in the allotment for 1957. This has left several tobacco growers with such a small allotment that they have had to leave the farm and get into some other type of enterprise to support their family. Several of the farmers have put their

PLAN OF WORK
PATRICK COUNTY
1958

Fred O. Clinger, County Agent
James R. Reed, Assistant County Agent

Arthur P. Morris
Associate Extension
Entomologist

S. A. Wingard
Plant Pathologist
& Physiologist

E. M. Matthews
Associate Extension
Agronomist-Chatham

C. C. Mast
Extension Animal
Husbandman

Dr. J. O. Rowell
Extension
Entomologist

Rolie M. Godsey
Assistant Extension
Animal Husbandman

W. P. Judkins
Horticulturist
Head of Department

E. W. Mandie
Extension Soil
Conservationist

Howard A. Rollins, Jr.
Associate Extension
Horticulturist

D. T. Painter
District T.V.A.
Supervisor

Carl J. Holcomb
Extension
Forester

John Amos
Associate Extension
Entomologist & Plant
Pathologist

In conclusion, we wish to acknowledge the cooperation of the County Board of Supervisors in their help in carrying out the Extension Service Program. Also the work done by the Extension Secretary in keeping records and aiding the Extension Service Program in Patrick County.

IX. ASSISTANCE RECEIVED FROM EXTENSION SPECIALISTS IN 1958

J. B. Flora
District Agent
Rocky Mount, Virginia

C. E. Cooper
Assistant Extension
Animal Husbandman

W. N. Patterson
Associate Extension
Dairy Specialist

Andrew J. Lambert
Associate Extension
Agricultural Engineer

Guy J. Nageotte
Associate Extension
Dairy Specialist

C. D. Wheary
Associate Extension
Agricultural Engineer

G. R. Epperson
Associate Extension
Agronomist

Donald R. Fessler
Extension
Sociologist

W. J. Muckells, Jr.
Associate Extension
Agronomist

J. A. Waller, Jr.
Extension Agricultural
Engineer

George T. Blume
Associate Extension
Sociologist

Fred R. Dreiling
Associate Extension
Horticulturist

G. D. Kite
Extension Agricultural
Engineer

Denver Bragg
Associate Extension
Poultry Husbandman

Addison B. Lyon
Associate Extension
Forester

V. L. Baldwin
Associate Extension
Dairy Specialist

L. C. Beamer
Associate Extension
Horticulturist

W. W. Lewis
Extension
Agronomist

farmers with securing fish with Federal Hatchery for various rivers and streams in the county. The agents have helped farmers in giving out information on Social Security and preparing farm income tax returns. Several meetings were held in the county on Social Security and Farm Income Tax.

The agents have attended several state and district meetings in getting information that would help them to do a better job in promoting the Extension Program in Patrick County.

The agents write effective and timely news articles each week and keep a good supply of bulletins in the office and distribute them to the farmers and professional workers in the county. This year the agents made 1,133 farm visits, 1,999 office calls, 2,196 telephone calls, wrote 119 news articles, and distributed 6,220 bulletins.

VIII. EVALUATION OF WORK

The Extension Agents are called upon by farmers, civic clubs, and other organizations for information on most all phases of agriculture. The cooperation of A.S.C., S.C.S., F.H.A., Vocational Agriculture Teachers, County Farm Organizations, and civic clubs with the Extension Service has made a better Extension Service Program in the county. We now have three T.V.A. demonstrators in the county and hope to have one in each district of the county. We plan to use these farms for tours and field meetings for educational programs.

Chamber of Commerce. This area covers 13 counties and about fifty communities participated in the contest. The Peters Creek Community won \$400.00 for first place in the contest and \$10.00 for third place in the Scrapbook Contest. In 1957 the Vesta Community won first place in this contest and in 1956 the Dobyns Community won first place. This making Patrick County have winners in area for the past three consecutive years.

4. Plans For Improving Next Year's Program

We plan to organize some new community clubs in the county. We will also plan to assist the community clubs already organized with their educational programs. We will plan to get a county sponsor for the community clubs next year.

K. Patrick County Fair

The agents assisted with the planning and helping with the County Fair which is sponsored by the Stuart Rotary Club. A total of 1,581 junior and adult exhibits were entered in the fair this year. 10,000 people attended the 1958 Patrick County Fair.

VII. GENERAL ROUTINE OF WORK

Patrick County is a diversified county and the agents are called on for personal service to assist with putting water in homes, surveying sewage lines, putting bathrooms in homes, taking soil samples, vaccinating livestock, culling poultry, information on diseases and insect control. The agent assisted the veterinarian with putting on a clinic for treating horses for bots and vaccinating dogs for rabies. The agents assisted

various other things have been accomplished. Other communities have noticed what accomplishments these communities have made and are interested in organizing a community club in their area.

2. Goals For 1958

- a. Organize two community clubs.

3. Results

- a. 243 soil tests were made.
- b. 543 tons of fertilizer was used.
- c. 1127 tons of lime was used.
- d. One new club house was built.
- e. Three community club houses finished kitchens and furnished them with equipment and cooking utensils.
- f. 75 new telephones were installed.
- g. Approximately 150 families put nameplates, repairs, and painted mailboxes.
- h. Two community club house grounds have been landscaped and shrubbery planted.
- i. 37,546 quarts of food was canned for family food supply.
- j. 19,746 pounds of food was frozen for family food supply.
- k. Over 100 families have improved lighting in homes and on the farm.
- l. Two communities put up directional signs this year.
- m. All communities had a planned Educational program at their meetings.
- n. This year, the Peters Creek Community won first place in Area Judging Contest, which is sponsored by the State Extension Service and the Roanoke

Telephone service and installing water under pressure is our main problems in the county. Only about 400 families have telephones and only 875 families have piped running water in homes.

2. Goals For 1958

- a. Fifty new telephones in homes.
- b. Thirty families install running water in homes.
- c. Forty families install bathrooms in homes.

3. Results

- a. Seventy-five families have installed telephones in homes this year.
- b. Fifty-seven families have installed running water in their homes.
- c. Approximately seventy-five families have installed new bathrooms in homes.
- d. Approximately sixty families have installed hot water heaters in homes this year.

J. Community Clubs

1. Situation

We have seven community clubs in the county. These seven clubs have been very active this past year; some outstanding community projects have been carried in building club houses, road signs, name plates on mailboxes, farm signs, cleaning up cemeteries, increasing family food supply, using more lime and fertilizer, rabies control, T.B. and Bangs testing of livestock, seeding alfalfa and new pastures and

6. Plans For Improving Next Year's Program

We plan to continue to work with these fifteen farmers that we are working with now and in 1959 we hope to start several new farmers in this program.

H. Poultry

1. Situation

Poultry has been on the decrease in the county for the past several years. The big problem with poultry in our county is a market. If we could locate a market, we could get some farmers interested in producing poultry as an enterprise.

2. Methods

- a. Have several poultry meetings in county to try to create interest in this program.
- b. Two meetings were held last fall in poultry and if we can get enough farmers interested in going into the poultry business, we have located a good market for the eggs.
- c. Plan to start five 1000 bird flocks in county in 1958.

3. Results

- a. We have three large commercial poultry flocks started in the county this year. One of these farmers is producing broilers. The other two are producing hatchery eggs for hatcherys.
- b. Four other farmers have reported that they are interested in going into the commercial poultry business.

I. Agriculture Engineering

1. Situation

2. Objectives

- a. Extension agents give more personal assistance to young farm families who are getting started in farming and homemaking.
- b. Work more closely with small farmers who are faced with the problem of adding enterprises to supplement their farm income.
- c. Put special emphasis on the use of the resources that the farmer has in order to hold production cost down and increase labor efficiency.
- d. Extension agents will plan to use specialists to assist these farmers with working on some of their problems.

3. Methods

We will continue to work with the families already started. The help of the State Extension Specialists will be needed on some problems. Most of the work in this program will be done through personal visits to the farms.

4. Goals For 1958

- a. Start two new farm families in the Farm and Home Development Program.

5. Results

We have worked very closely with the fifteen farms that we have in Farm and Home Management Program. Two of the tobacco farms that we have worked with have increased their income per acre, by following good management practices that were recommended by the Extension agents. Most the work done in the Farm and Home Management Program has been done through personal visits.

- b. Nominate one farmer for a tree farm award.
 - c. Have five 4-H club members plant forestry seedlings in 1958.
 - d. Enroll fifteen 4-H club members in forestry project.
5. Results

- a. 187,000 tree seedlings were planted in the county this year.
 - b. Seven 4-H club members planted 3,500 pine seedlings this year.
 - c. Twenty-five 4-H club members were enrolled in forestry projects this year.
6. Plans For Improving Next Year's Program

We plan to work with more farmers where they have land suitable for forestry to encourage them to plant tree seedlings. We plan to work closer with 4-H club members and encourage them to plant tree seedlings.

G. Farm and Home Development

1. Situation

In 1958, fifteen families were worked with in the Farm and Home Development Program. All these families on the farm side have been completed and most of them have made some changes which meant an increase in the income from the farm. More families need to be worked with in this program. The interest and attitude of the families worked with have been excellent.

- e. Continue using group project for first year members.
- f. Encourage better record keeping.

F. Forestry

1. Situation

Forest products in the county has continued to decline for the past several years. Most of the forestry is being cut in the county regardless of size when a boundry of timber is sold. The main need in our forestry program is to increase our plantings of young trees and also to do a better job in management of our forestry.

2. Objectives

- a. Increase pine seedlings in county.
- b. Replant cut-over acres soon after timber is cut.
- c. Increase income from forestry by proper harvesting and management.
- d. Encourage farmers to take advantage of the A.C.P. Program in forestry and use Extension and State foresters in setting up practices on their farm.

3. Methods

- a. Through meetings during the year, with the assistance of State Extension Specialists, give farmers information on management and care of their timberland.
- b. Use all types of media during the year in giving information on forestry management.

4. Goals For 1958

- a. Plant 100,000 seedlings in 1958.

i. Sears Pig Chain

The pig chain winners were: Robert Lee Mitchell, 1st; Wade Hamm, 2nd; Carliss East, 3rd; Douglas Light, 4th; and Roy Hall, 5th. The chain is now at the Meadows of Dan School.

j. Demonstrations

Demonstrations were given at least twice by club members in all of the clubs. One club had a demonstration at each meeting by a member of the club.

The Electric demonstration given in the district contest by Dickey Mills was presented at six community improvement and civic club meetings.

k. A Tour of Claytor Lake Power Plant

A tour of Claytor Lake Power Plant was made by Red Bank Senior 4-H Club.

1. Four clubs conducted a recreational meeting and picnic during the summer.

6. Plans For Improving Next Year's Program

- a. More demonstrations at meetings by club members.
- b. Continus to search for adult volunteer leaders.
- c. Continued use of recreational meetings.
- d. Greater use of County Council and Adult Advisory Committee.

d. District Contests

The district contests were entered by five judging and demonstration teams. Benny Rodgers entered the Forestry Demonstration and received a Blue Ribbon. The Dairy Judging Team which placed 7th was composed of Charlie Martin, Odell Hams, and Glenn Thomas. Abner Anthony and Gates King entered the Egg Grading Contest and placed 4th. Dickey Mills gave an Electric Demonstration and received a Blue Ribbon. Tommy Terry was the representative in the Tractor Operators Contest.

e. Honor Club

A County Honor Club was organized during 1958 with 16 boys initiated as charter members.

f. County Fair

The County Fair was well supported by 4-H Club members with approximately 250 exhibits entered by the 4-H Club boys.

Two clubs entered educational exhibits.

g. State Contests

Dickey Mills entered a record book in the 4-H Electric Contest and received a Blue Ribbon

h. Calendars

The First National Bank of Stuart has again sponsored the 4-H Calendars. One calendar is given to each 4-H family and large calendar in each classroom.

Larry Hutchens; Forestry-Benny Rodgers; Garden-Harlon Hawks & Terry Blair; Leadership-Harold Dean Goad; Meat Animal-Joe Richards & Jimmy Anderson; Poultry-Gates King, Jerry Slean, Stuart Bailes, Alfred Turner; Recreation-Freddy Smith & Alan Mitchell; Safety-David Woodall & Edward George; Soil & Water Conservation-Donald Vernon, Jeffery Owens, Jerry Love, & Robert Lee Mitchell; Tractor Maintenance-Billy Brown & William Lee Smith.

b. Electric Congress

Ralph Cox of Red Bank Senior Club represented the county at the 4-H Electric Congress.

c. 4-H Short Course

The 4-H Short Course was attended by six 4-H club members: Dickey Mills, Larry Roberson, Ray Smith, Charlie Martin, Steve Slarp, and Hale Terry, who served as an adult leader.

d. All Stars

Larry Roberson and Dickey Mills were taken into the Virginia Chapter of 4-H All Stars.

c. 4-H Camps

A total of 29 boys attended the Junior 4-H Camp at Holiday Lake. Aaron McAlexander and Harold Slate served as junior leaders.

The Senior Camp at Virginia Beach was attended by six boys.

- o. Demonstrations at more club meetings by club members.

4. Results

The 508 boys enrolled in 4-H club work in Patrick County carried 563 projects of which 432 were completed. Four hundred and seventeen club members completed one or more projects giving a percentage of 82.1%.

Projects carried consisted of: Corn-8, Hay-2, Potatoes-1, Tobacco-9, Garden-47, Fruits-4, Forestry-24, Wildlife-28, Poultry-9, Dairy Cattle-35, Beef Cattle-14, Sheep-3, Swine-28, Rabbits-3, Entomology-11, Tractor Maintenance-9, Electricity-187, Home Grounds-2, Safety-119, Others-4.

a. Achievement Day and County Medals

The following received county medals at the County Achievement Day Program: Achievement-William Lee Smith & Ronnie Wood; Alumni Recognition-Juel Turner; Home Grounds-Gary Williams & Aaron McAlexander; Boys Agricultural-Allen Semones, Reford Nester, Grady Terry, & Harold Slate; Citizenship-Steve Sharp; Dairy-David Byers, Tommy Hutchens, Penn Anthony, & Bert Stanley, Jr.; Farm & Home Electric-Wayne Cooke, Robert Penn, & Bruce DeHart; Entomology-Jimmy Law & Bobby Reynolds; Field Crops-Maynard Joyce, Dan Smith, LeRoy Pack, Jr.,

- a. Newspapers.
- b. Letters.
- c. Club meetings.
- d. Radio and television whenever possible.
- e. Conversation with individuals.
- f. Contests and demonstrations.
- g. Camps, short course, and tours.
- h. Training meetings for adult and junior leaders.

4. Goals For 1958

- a. Secure two more project leaders.
- b. 80% completion of projects.
- c. Enter two outstanding club members in State 4-H contests.
- d. Organize an Honor Club.
- e. Place 3 signs on highways entering the county.
- f. Conduct a county-wide recreation meeting.
- g. Enter contestants in district contests.
- h. A club member from each club attend camp.
- i. Increase the effectiveness of the County Council.
- j. Conduct County Council meetings and Achievement Day Program.
- k. Organize new clubs and increase enrollment.
- l. Better selection of projects by club members.
- m. Visit as many club members as possible and discuss projects and 4-H club work with parents.
- n. Give public recognition and awards to outstanding club members.

Interest in 4-H club work has been fairly good as shown by the enrollment, the number of members entering contests, and the number of members taking part in other 4-H activities.

2. Objectives

Continued growth of the 4-H club program shows several conditions which need improvement.

- a. More active project leaders.
- b. An organized recreation program.
- c. Sponsorship of 4-H activities by interested civic, private, and business organizations.
- d. More active planning by the County Council.
- e. More active junior leaders, especially Honor Club members.
- f. Greater use of audio visuals and demonstrations when available.
- g. More publicity of 4-H activities and accomplishments.

3. Methods

Club members will be encouraged to select and gain the interest of individuals who will serve as volunteer leaders. An effort is being made by the County Council to organize an annual county-wide recreation meeting.

Other objectives of the club program will be treated in any manner that offers an effective solution.

The 4-H club program will be presented to the public by use of the following:

6. Plans For Improving Next Year's Program

We plan to follow a similar program for next year. We will put emphasis on increasing the number of flocks of sheep in the county and encourage more farmers to put feeder calves in the feeder calf sales and will encourage some of the small farmers to keep a few head of livestock for supplementary income on the farm.

E. 4-H Club Work

1. Situation

The 4-H club program in Patrick County is organized and conducted in a similar manner to that followed by most counties in Virginia. The planning group for the 4-H Club Program in the county is the County 4-H Council which is advised by adult leaders and Extension Agents. The County Council is composed of officers elected from the various 4-H clubs in the county.

In 1958, there were 508 boys enrolled in 4-H Club work and carrying a total of 563 projects of which 432 were completed. This gives a completion percentage of 76.5% of projects carried by club members. A total of 417 club members completed one or more projects giving a completion percentage of 82.1% by club members. The boys were members of 31 different clubs. These figures includes 4 clubs with a total of 88 members which were organized in the consolidated colored school.

- c. Give farmers information on livestock management through T.V., radio, meetings, newspaper articles, bulletins, office calls, and personal visits.
- d. Assist farmers with putting feeder calves in the various sales in the area.
- e. Assist sheep growers in marketing wool in a county-wide pool.

4. Goals For 1958

- a. Market 150 head of calves in feeder calf sales.
- b. Have 10 sheep growers select Blue Circle Lambs and keep them for breeding purposes.
- c. Start five Angus herds in county.
- d. Have two sheep growers enter pound per ewe contest.
- e. Have one pig parlor in county.
- f. Have 50% farmers vaccinate calves for control of Blackleg and Bangs disease.

5. Results

- a. Approximately fifty head of feeder calves were sold through feeder calf sales. The reason more were not sold was because of the good growing season and several farmers decided they had plenty of feed and decided to carry them over through the winter.
- b. Twelve of our sheep growers selected top lambs and are going to keep them for breeding.
- c. One new pig parlor was built in the county this year.
- d. Four Angus herds were started in the county this year.
- e. Thirty-five sheep growers marketed their wool through the cooperative wool pool.
- f. Practically all of our commercial beef cattle herds, sheep herds, and swine are using purebred sires, rams, and boars in their livestock production. This has increased the quality of the livestock that we are producing.

D. Livestock

1. Situation

There is approximately 3,500 head of beef cattle, 2,300 head of hogs, and 400 head of sheep in the county. The need in our livestock is to increase the number of sheep in the county as most of the county is adapted for raising sheep and income from sheep has been good for the past several years. We need to improve on the quality of beef cattle, sheep, and hogs that we have.

2. Objectives

- a. Improve quality of beef cattle breeding herds.
- b. Increase the number feeder calves in feeder calf sales.
- c. Increase the number of sheep in the county.
- d. Keep information before livestock producers as to most practical methods for internal and external parasites.
- e. Increase the number of beef cattle in the county.
- f. Grow enough feed on our farms to take care of our livestock.
- g. Increase the number of pig parlors in the county.

3. Methods

- a. Through meetings during the year, we will use County Extension and State Extension specialists to discuss methods that farmers can use to improve the quality of their livestock.
- b. Agents will assist farmers in selecting good animals for their herds.

- a. Over 7,000 young trees have been planted this year.
- b. Fruit growers are still working on getting a processing plant in the area.
- c. Our only storage plant has been enlarged this year, but we still need a larger storage plant to take care of the small fruit growers.
- d. Two fruit growers have enlarged their local storage plant.
- e. Our storage plant has installed a grading machine in his plant. Several of the small fruit growers used this for the first time this year.
- f. An advertising program to promote the selling of fruit in the state and county started this year where the fruit growers are paying two cents per bushel for bulk apples and four cents per bushel for graded and packed apples. Fruit growers report this advertisement program has helped them in moving their apples on the market.
- g. All fruit growers receive a spray card each time the spray should be applied and most of the fruit growers are following a good spray program for their fruit.

6. Plans For Improving Next Year's Program

The fruit growers in Patrick County are well organized and we plan to follow through with the same program next year. We will continue to have regular monthly meetings to discuss the management of our orchards to get good quality fruit to put on the market. We will continue the work to get a processing plant in the area. We will work to get a larger storage plant to take care of our small growers fruit. We plan to have a two-day fruit school this year and go into more details on our fruit problems.

2. Objectives

- a. Increase fruit production per tree.
- b. Need a storage plant and a place for the small growers to grade and pack their fruit.
- c. Need a processing plant in area for fruit growers to market their fruit.
- d. Locate a fruit market for the small growers.
- e. Improve quality of fruit that we grow.

3. Methods

- a. Make a survey of the fruit in the county and work with other areas and try to get someone to put a storage plant and also a place where the small growers can pack and grade their fruit.
- b. Will hold meetings with other fruit growers in the area and try to get a processing plant in the area.
- c. Will continue to hold regular monthly meetings of fruit growers, and will use State Extension Specialists at most of these meetings in giving information on producing a good fruit crop.
- d. Will hold a packing and grading demonstration at the September meeting at Bald Mountain Orchard.
- e. Will use all types of media such as T.V., radio, newspaper articles, bulletins, meetings, visits, in giving information to the fruit growers.

4. Goals For 1958

- a. Have 10,000 young fruit trees planted.
- b. Have a processing plant established in area.
- c. Enlarge storage plant in county.
- d. Have one grading and packing place for small fruit growers in county.

5. Results

- d. Four other dairymen produced over 400 pounds of butterfat per cow.
 - e. Forty-two farmers started selling manufactured and Grade B milk this year.
 - f. 852 cows were bred artificially this year.
 - g. Fifteen grade A herds produced over 300 pounds of butterfat per cow.
5. Plans For Improving Next Year's Program

We plan to get more members enrolled in the D.H.I.A. program, also in the owner sampler and weigh-a-day program. Increase the number of cows bred artificially.

Encourage more of our low income farmers to sell manufactured or Grade B milk for supplementary income. We have a good market for this type of milk as we have a plant located in the county.

C. Fruit

1. Situation

There are eighty-six commercial fruit growers in the county with approximately 66,629 fruit trees of all ages. In 1957, there was a good crop of fruit in the county. Most of the fruit growers are doing a good job in growing their fruit, but the main need is to have a cold storage and a place for the small growers to pack and grade their fruit, this will realize much more income for his crop, along with the need of locating a better market for the fruit. We are also in the need of a processing plant where some of the fruit could be sold.

- c. Send out timely information on dairying during the year.
 - d. Have two field tours, one in May and one in August, and visit herds on tour that are doing D.H.I.A. testing and have farmers to discuss what their program has meant to them.
 - e. Put on T.V. and radio program in May and September on dairying.
 - f. At our regular monthly meetings, will use Extension Specialists to be on the program to discuss some of the dairy problems.
 - g. Through personal visits during the year, give information on dairying to the farmer.
4. Goals For 1958
- a. Enroll four new members in D.H.I.A.
 - b. Enroll ten new farmers in weigh-a-day program.
 - c. Have fifty farmers to start selling manufactured milk for supplementary income.
 - d. Have five D.H.I.A. herds to produce 400 pounds butterfat.
 - e. Have one D.H.I.A. herd to produce 500 pounds butterfat.
 - f. Have twenty Grade A herds to produce over 300 pounds butterfat.
5. Results
- a. Five grade A dairymen have located better markets for their milk.
 - b. Three new grade A dairy farmers are doing official tasting under the Dairy Herd Improvement Association this year. We now have eleven dairymen in the D.H.I.A. program in the county.
 - c. W.P. Fulton is the only grade A dairy that produced over 500 pounds of butterfat per cow this year.

grade B milk. There are 5000 dairy cows in the county. There are 11 herds in the county that are on official test in the local Dairy Herd Improvement Association with 538 cows on test.

There are 15 dairymen in the county that are using bulk milk tanks.

Interest in dairying is on the increase in the county. The use of artificial insemination and D.H.I.A. records, the quality of the dairy cows is rapidly increasing. Over 800 cows were bred artificially in 1957.

2. Objectives

- a. Increase the number of manufactured and Grade B producers in the county.
- b. Increase the pounds of butterfat and milk production per cow.
- c. Increase the number of cows bred artificially in the county.
- d. Lower the milk production cost per pound.
- e. Encourage better management practices to help control mastitis in the dairy herds.
- f. Encourage more dairymen to do official testing under the D.H.I.A. program.

3. Methods

- a. Continue work with the dairy farmers in trying to locate a better market for grade A milk.
- b. Through regular monthly meetings, discuss feeding, breeding, and management of the dairy herd.

- g. One new T.V.A. farm has been set up in the county this year.
- h. Tobacco yield in the county this year increased from 1575 pounds per acre to about 1700 pounds per acre.
- i. 700 tobacco farmers sprayed and dusted their tobacco for the control of insects.
- j. Four farmers grew aromatic tobacco this year for supplementary income.
- k. Over 500 soil tests were made for the various crops and pastures.
- l. Over 600 farmers treated tobacco plantbeds for control of weeds, insects, and diseases.
- m. Approximately 75 tobacco farmers this year for the first time used the new type fluorescent light for grading and sorting tobacco.
- n. Approximately 375 of the tobacco farmers in the county are using two to three year rotation in growing tobacco.

6. Plans For Improving Next Year's Program

Plans for improving next years program is to follow about the same program as last year. We will put more emphasis on increasing the acreage of alfalfa, also the yield per acre; increase the grazing capacity of our livestock; and work more closely with tobacco growers in encouraging them to grow good quality tobacco.

B. Dairy

1. Situation

There are 30 farms in the county in which grade A dairy milk is produced. There are approximately 150 farmers in the county that are producing manufactured

- j. Have one demonstration with granulated insecticide for control of alfalfa weevil.
 - k. Will use all other types of media to get information to the farmers, such as T.V., radio, timely newspaper articles, letters, bulletins, office calls, telephone and personal visits.
4. Goals for 1958
- a. Increase the yield of corn 5 bushels per acre.
 - b. Seed 400 acres new alfalfa.
 - c. Have 100 farms spray alfalfa and other crops for control of chickweed.
 - d. Have 25 farmers seed sudan grass for supplementary pasture and hay.
 - e. Spray or use granulated insecticide on 600 acres of alfalfa for control of alfalfa weevil.
 - f. Increase the yield of alfalfa 0.2 tons per acre.
 - g. Establish two new T.V.A. farms in county.
 - h. Have three farmers grow aromatic tobacco for supplementary income.
5. Results
- a. Corn yields in the county has increased 8 bushels per acre.
 - b. 425 acres of new alfalfa has been seeded this year.
 - c. 50 farmers have sprayed alfalfa and other crops for control of chickweed.
 - d. Due to excellent growing season this year, only 15 farmers seeded sudan grass for supplementary pasture.
 - e. Over 1000 acres of alfalfa was sprayed or used granulated insecticide for the control of the alfalfa weevil.
 - f. Due to good growing season, alfalfa yield per acre has increased about 1/3 tons per acre.

- e. Produce a sufficient tonnage of hay to take care of livestock in county.
- f. Improve the quality of tobacco through better cultural practices.
- g. Encourage farmers to take soil tests for all types of crops and pastures and follow recommendations of fertilizer and lime by the Extension agents.

3. Methods

- a. Will have two tobacco meetings in January, one at Ararat and one at Critz. Mr. E. M. Matthews, Associate Extension Agronomist, will assist with these meetings in discussing management practices, in growing good quality tobacco.
- b. Will hold three tobacco grading demonstrations in August and September.
- c. Will hold two tobacco planted demonstrations.
- d. Will hold two pasture tours, one in May and one in August. Farmers, County Agents, and Extension Specialists, will be the discussion leaders on these tours.
- e. In January and February, will hold meetings in the various communities and discuss some of the agronomy problems.
- f. In February, will hold meetings in county and invite seed and fertilizer dealers to attend and encourage them to assist farmers in getting the seed and fertilizer that is recommended for the various crops and pastures.
- g. Will use our four T.V.A. farms as demonstrations and write farmers in these communities to visit these farms.
- h. Hold two spraying demonstrations in February for control of chickweed.
- i. Hold one spraying demonstration for control of the alfalfa weevil.

Home Demonstration
County Committee

County Agronomy
Committee

County Commodity
Committees

4-H County Council

4-H All Star
Association

F.F.A.
Federation

The County Agricultural Service Board and the different commodity groups met during year and assisted the agents in working up the Extension Program in the county.

VI. MAJOR PROJECTS FOR 1958

A. Agronomy

1. Situation

Patrick County is a rolling and mountainous county and is adapted for growing good pasture and hay crops.

- a. The acreage of alfalfa is increasing each year but the yield per acre in 1955 was only 2.3 tons per acre.
- b. The average yield of corn for grain in 1955 was 33.2 bushel per acre and for silage 8.2 tons per acre.
- c. The total pasture acreage is 48,897 of which 5,239 acres is improved.
- d. The average yield of flue-cured tobacco for 1957 is 1575 pounds per acre.
- e. The average carrying capacity of pastures is about one animal unit per four acres.

2. Objectives

- a. Increase the number of acres of alfalfa in the county.
- b. Increase the corn yield per acre.
- c. Increase the grazing capacity of pastures so that present acreage can support more livestock.
- d. Encourage all tobacco farmers to use two to three year rotation in growing tobacco.

IV. THE GENERAL SITUATION IN PATRICK COUNTY

Patrick County is situated partly on the Piedmont Plateau and partly on the Blue Ridge Province. Its southern border joins North Carolina. The county covers an area of 485 square miles and consists of 2255 farms containing 202,748 acres of land. The average size of farms is 89.9 acres and the population in the county is 15,787.

Altitudes vary widely, from 900 feet above sea level in the southeastern part to 3200 feet on the mountain peaks. The frost free growing season extends from about April 13 to October 23, an average of about 190 days.

The type of farms in the county are general crop specialties: livestock, dairying, fruit growers, and general crop farming, with some small truck farming. The main income from farming is: flue-cured tobacco, dairying, orchards, timber, and beef cattle. Income for part-time farmers and non-farm families is derived from: United Elastic Plant, Easthampton Rubber Thread Company, Stuart Knitting Company, Patrick County Cannery, Stuart Lumber Company; and DuPont and furniture factories in Henry County.

V. COUNTY ORGANIZATIONS

Patrick Fruit Growers Association	County Agricultural Service Board	New River S.C.S. District
Patrick County Fair Committee	Patrick Artificial Breeding Association	County D.H.I.A. Association
Home Demonstration Federation Goal Committee	A.S.C. County Committee	Patrick Wool Growers Association

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