FREDERICK COUNTY

PHASE: Poultry Field of Work

Deven Bragg, Associate Extension Poultry Husbandman, visited Henry Cline for the purpose of making plans for an additional 6,000 capacity laying unit. Mr. Cline's present operation consists of approximately 15,000 layers.

Also Mr. Bragg visisted Francis J. Marshall's operation for the purpose of assisting him in planning an additional 500 unit laying house. Mr. Marshall at present operates an 800 capacity unit.

Your agent attended a two day Poultry Servicemen's and County Agent's School at V.P.I., September 23 and 24. The program was very informative and practical and I feel will be of much help in better understanding some of the problems which confront our county poultrymen.

Your agent attended a meeting in Woodstock, Virginia on December 2nd. along with two egg producers and a representative from Southern States to hear a discussion of the proposed egg referendum which will be held on March 15th. under the terms of the Virginia Products Promotion Act approved by the 1964 Virginia General Assembly.

The Clarke-Frederick DHIA Board of Directors met in October for the purpose of discussing ways and means for paying for the new milk weighing equipment. It was decided to borrow approximately $1500 from Farmers Credit over a 5-year period for this equipment and the necessary equipment for testing milk solids.

Dr. S. L. Kalison, Extension Veterinarian from M.P.I., met with some of the farmers from Clarke and Frederick counties on November 12th to set up two managed milking demonstrations. In addition to the Dairy Committee, two local veterinarians and one milk inspector met along with the group. The group showed considerable enthusiasm toward the program and a task force was selected with the following persons: Dr. Tom Bibb; Mr. M. R. Cooper, milk inspector; Dr. John Holland; Mr. Robert E. Prettyman, Farm Representative from the Northern Virginia Power Company; and, Mr. Frank Overstreet, Fieldman for the Maryland-Virginia Milk Producers Association. The task force will visit Mrs. L. M. Allen's dairy farm in Clarke County on Tuesday, November 24, and the Fort Collier dairy farm in Frederick County on Wednesday, November 25 for the purpose of checking the milking equipment and procedures as the first step in preparing for two managed milking demonstrations which will be held when the task force feels everything is in proper order.

Your agent has spent much time working with Mr. Robert E. Prettyman, Farm Representative from the Northern Virginia Power Company, in taking some of our local dairymen on a tour to view some of the farm feed grinding and mix mill arrangements. One of the dairymen, who participated in the tour, has plans to set up a feed grinding and mix mill arrangement on his dairy farm.

meeting was well attended with representatives from Frederick, Clarke, and Warren counties.

The first in a series of three DHIA Twi-Lite Meetings was held on June 1st. at the farm of Mrs. Raymond Guest in Warren County. Mr. E. G. Fouse, Vice-President of the Federal Land Bank and Federal Intermediate Bank in Baltimore,' was the principal speaker being introduced by J. A. Everly, Executive Secretary of Farm Credit here in Winchester. The subject discussed by Mr. Fouse was, "Advancements in Farm Credit." Approximately 40 dairymen attended from Frederick, Clarke, and Warren counties.

Many of our local dairymen received notices from the Virginia Department of Agriculture and the D. C. Health Department informing them that their milk contained heptachlor residue. Because of the residue situation, much time was spent procuring hay and silage samples which were submitted to the State laboratory for testing. Over fifty samples were tested which greatly aided the dairymen in feeding to help alleviate the residue problem.

A second in a series of three DHIA Twi-Lite meetins was held on July 13th. at the Dan-Ridge Acres Farm owned by Dr. B. B. Allen in Clarke County. The program consisted of a discussion of the heptachlor residue problem and the steps that should be taken to prevent measurable residue showing up in milk. Two representatives from the Maryland-Virginia Milk Producers Association discussed this problem and answered questions from the group attending. Approximately 60 dairymen attended which was the largest turnout in history of the summer DHIA Twi-Lite meetings.

The third DHIA Twi-Lite meeting was held at the H. W. Shaffer Farm in Warren County and approximately 80 folks attended. Dr. J. B. Holland of Millwood was the principal speaker on the subject of "Dairy Health Programs."

FREDERICK COUNTY

PHASE: Dairy Field of Work

The Annual Clarke-Frederick DHIA Analysis Meeting was held on February 3, at Duff's Rebel Restaurant with lunch being furnished by the Shanandoah Valley National Bank. Approximately 30 folks attended this meeting.

The program consisted of the following:

A panel discussion on "How To Get Good Feed Information For DHIA Reports."

W. N. Patterson, Associate Dairy Specialist from V.P.I., discussed "The Dairy Forage Program-How To Use It." Mr. Patterson also gave a talk on the duties of DHIA officers and Directors.

F. Gill Morgan, Manager of the American Dairy Association of Virginia, discussed "A Promotion Program In Behalf Of Milk."

The Northern Valley Holstein Club held its annual meeting on February 20th., at the Lee-Jackson Restaurant. The program consisted of talks by Harold Roller, Secretary-Treasurere of the Virginia State Dairymen's Association, and Robert D. Heilman, National Holstein Fieldman.

The annual meeting of the Frederick-Clarke Artificial Breeding Association was held on February 12 at the Lee-Jackson Restaurant with lunch being furnished by the Farmers & Merchants National Bank. At this meeting, the club heard reports concerning the business done by the local Association during the past year, which was given by Sam Pidgeon, Association Inseminator. Two representatives from the Virginia Artificial Breeding Association gave the annual report of the Association on a State basis.

Your agent worked with the Northern Valley Holstein Club in holding a Holstein Twi-Lite Meeting at Clifton Farm in Clarke County on May 6. Bill Harrison, Assistant County Agent in Loudoun County, gave a demonstration on how holstein cows are classified. The Field Representative from the American Holstein Association made a talk on the activities and plans of the Association. The

The third twi-lite fruit meeting was held on August 14, at the Winchester Fruit Research Laboratory. The program consisted of the Following:

Tour of the laboratory and experimental plots conducted by the laboratory personnel.

Dr. G. E. Mathis, from V. P. I., spoke on Stop-Drop and Stop-Scald Sprays.

John Watson, Executive Secretary of the Virginia Horticultural Society, gave a brief report on the apple promotion program planned for this fall by the Virginia Apple Commission.

The Shenandoah Valley National Bank and National Fruit Products Company furnished a picnic supper for the group at the conclusion of the meeting.

Thrity-one fruit growers from the State of Michigan were special guests at the meeting, and in addition to these, approximately 85 other folks were in attendance.

Processing Plant located in Winchester, for assistance from V.P.I. vegetable specialists. Franklin Schales and Frederick Cooler, visisted the Schrafft Plant on May 12, along with your agents and George Williams, Associate Extension Horticulturist. The purpose of the visit was to discuss the buying of vegetables in Virginia in use in this processing operation. The Schrafft Company plans to spend approximately one million dollars on plant facilities here at Winchester, and the present time are packaging about 50 different items. Hank Adams, Manager of the Plant, was very appreciative of the assistance received concerning the availability purchasing and some aspects of processing Virginia vegetables.

The first in a series of three twi-lite fruit meetings was held on June 11, at Robert G. Buckley's orchard located at White Post. Over 100 fruit growers and other interested persons attended the meeting and the program consisted of the following:

Tour of the orchard blocks
Discussion of the Disease Situation by Dr. A. B. Groves from the Winchester Fruit Research Laboratory.
Insect Situation discussion by Dr. C. H. Hill, also from the Research Station.
Fruit Outlook by Dr. H. A. Rollins from V.P.I.
A talk on the new labeling program by a representative from the Virginia Horticulture Association.
Refreshments for the meeting were furnished by the Bank of Clarke County and the Berryville Farmers & Merchants Branch Bank.

The second in a series of fruit twi-lite meetings was held July 16th. at the C. L. Robinson, Inc., orchard located on U. S. Route 50 West. The program consisted of the following:

Tour of the orchard.
Talks by Dr. A. B. Groves on the disease situation pertaining to fruit. and the insect situation by Dr. C. H. Hill.
Dr. H. A. Rollins, Jr. from V. P.I., made a short talk on the Fruit Crop Outlook for Virginia.
Charles S. Toan, Executive Secretary of the Frederick County Fruit Growerd Association, discussed the harvest labor situation and suggested that fruit growers needing pickers make their estimate needs early and as accurately as possible beacuse recruitment is very difficult so far this year.
Refreshments were furnished by the Commercial & Savings Bank of Winchester at the conclusion of the meeting.

Other phases of Extension work in fruit:

Your agent attended and participated in the 68th. Annual Meeting of the Virginia Horticultural Society at Hotel Roanoke, Virginia, January 12-14.

The Annual Fruit Growers Short Course was held on February 13 at the War Memorial Building in Frederick County. Over 200 folks attended this event and the program was as follows:

"Fruit Industry Trends," H. A. Rollins, Jr., V.P.I.; "Peach Varieties For Processing," H. L. Phillips, Piedmond Lab, V.P.I.; "Safe Use of Pesticides," (Film) R. F. Dreiling, V.P.I.; "Disease Control For 1964," A. B. Groves, Winchester Lab, V.P.I.; "Prospective Processor Grades," E. M. Johnson, V.P.I.

The local machinery dealers exhibited some of the latest orchard equipment for the benefit of the growers.

Your agent is cooperated with the Shenandoah Apple Blossom Festival, serving as an Assistant Director, in charge of in town and county members.

The annual meeting of the Frederick County Fruit Growers was held on April 3, at the Winchester Golf Club with dinner being furnished by the Farmers & Merchants National Bank. About 170 fruit growers and others attended and heard the annual reports for the Association and reports covering the extension fruit educational activities conducted during 1963. The principal speaker on this occasion was Congressman John O. Marsh, Jr., of the 7th District, who spoke on, "The Future of the Fruit Industry as he sees it."

Your agent attended two meetings at the Winchester Fruit Research Laboratory, at which time most of the professional fruit workers representing spray and fertilizer companies in the area attended. The purpose of these meetings is to keep abreast of the developments in the orchards as they occur during the spraying season. I feel the meetings habe been most helpful to me in carrying out my duties in the county extension fruit program.

Your agent received a request from the newly established Schraffts Vegetable

in the various contests as listed above.

It was determined by the judging committee that definite improvement had been made in improved cleaness and quality due to newer handling and harvesting techniques. Also, the processors felt that growers improved their thinning work which greatly increased the size of the apples. The Committee was also well satisfied with the enthusiasm and interest of the growers participating. It was felt that the contest certainly made progress toward its objective to greatly improve the size and quality of the apple crop.

of the phases to be completed was the apple show which was held at the Farmers and Merchants National Bank during National Apple Week. Individual exhibits were displayed by 18 fruit growers.

Representatives from the State Inspection Service cooperated in scoring the growers participating in the production phase. Nineteen orchards were inspected and scored in this section of the contest and the top five winners were recognized with a cash awards certificate from V.P.I.

A representative from each of the processing plants in the area cooperated in scoring 33 entries in this phase of the contest. The top five in this section were recognized with a cash award and certificate from V.P.I.

The annual Fruit Awards Banquet was held on December 4th at the Lee-Jackson Restaurant in Winchester. This event was held in cooperation with the Frederick County Pasture and Twenty-Ton Ensilage Club. Mr. C. C. Mast, Associate Extension Animal Husbandman from V.P.I., was the principal speaker and spoke on "Opportunities in Agriculture". Ira J. Campbell, Chairman of the Frederick County Extension Agronomy Committee, presided at this affair. Cash awards and certificates were presented as follows:

Processing Class: 1st. Mrs. Marie C. Bowman, Certificate and $75; 2nd. James E. Richard, Certificate and $40; 3rd. Robert E. Heckman, Certificate and $25; 4th. Snapp and Swing, Certificate and $10.

Production Class: 1st. John W. Smith, Certificate and $75; 2nd. Kenneth and Roy McDonald, Certificate and $40; 3rd. Marie C. Bowman, Certificate and $25; 4th. Maurice Keeler, Certificate and $10.

Apple Show Class - Orchard Exhibit: 1st. Albert Messick, $25.

Mr. J. H. Yost, President of the Farmers & Merchants National Bank, served as chairman of the Finance Committee along with J. Douglas Butler, Manager of the Green Chemical Company. These two (2) gentlemen were responsible for raising approximately $725 which was used to pay for the banquet and make available cash

FREDERICK COUNTY

A MAJOR EMPHASIS - EDUCATIONAL PLAN

PROJECT AREA: AGRICULTURAL PRODUCTION, MANAGEMENT AND NATURAL RESOURCE DEVELOPMENT

PHASE: Fruit - Quality Apple Production Program

The quality apple production program was given a great deal of emphasis because a high percentage of the apples produced in Frederick County are used in processing and many of them are small and of low quality. The apple packers are greatly concerned with the volume of apples that they have to handle to obtain the necessary amount of good quality and size apples needed for their fresh fruit market.

The main objective of conducting a quality apple production program was to increase the size and quality of Frederick County Apples.

A committee made up of growers and apple industry people drew up plans and organized a county quality apple contest. The contest consisted of three phases, one phase to include a production section throughout the growing season. Another phase of the contest was the growers who market a high percentage of their fruit through the processor. The third phase of the contest was the holding of a packed apple show during National Apple Week. This contest was open to all growers who pack for the fresh fruit market.

A finance committee consisting of three members was appointed to raise funds to be used for cash awards to be given to the growers who do the best job in each phase of the contest. Another committee of growers along with some of the chemical company representatives contact growers personally and discussed the various phases of the contest and signed those willing to participate. Forty-four growers participated in the quality apple contest program. The first

The Clarke County Wool Pool was held on June 10th. at which time approximately 12 wool producers from Frederick County consigned their wool. The farmers received $0.71 per lb. for clear tied wool. Most of the sheep producers in Frederick County sell their wool to the Farm Bureau because they can deliver the wool during a six week period and do not have to meet a special delivery date.

The fourth commercial lamb sale was held at the Farmers Livestock Exchange on July 15th. with 85 Blue O lambs sold for an average of $23.60 per c.w.t. and averaged 93 lbs. per head. One hundred sixty-seven (167) Red O lambs sold for $22.10 per c.w.t. and averaged 86 lbs. per head.

A Tel-O-Auction lamb Sale was held on August 12 and top prices were received. $26.00 for prime lambs, and $25.50 for choice lambs.

The first in a series of feeder pig sales were held at the Farmers Livestock Exchange on May 15. Tel-O-Auction was used at this sale and 412 pigs were sold for an average of $15 per head.

The second Winchester Feeder Pig Sale was held on June 19th. with 583 pigs being sold for an average of $21.87 per c.w.t. or $14.65 per head and averaging 67 lbs. per head.

The Fall Winchester Feeder Pig Sale Was held at the Farmers Livestock Exchange on November 13th. 553 pigs were sold for a total of $7,551.43. 308, or 56%, of the pigs graded No. 1 and 219, or 40%, graded No. 2. The pigs averaged 63 lbs. per head and brought $21.70 per c.w.t. or $13.65 per head.

animals each being shown. Dave Brower, manager of Still House Hollow Farm served as judge and the top price received for one of these individual steers was $69.00 per c.w.t.

Your agent assisted Martin Strate with the 10th. Annual Winchester Shorthorn Feeder Calf Sale which was held at the Farmers Livestock Exchange on October 15th. 338 feeder calf were sold for an average of $22.29 per c.w.t. as compared to 424 sold in 1963 for an average of $24.67 per c.w.t.

The results of this year's yearling sale held on September were as follows: 1408 yearlings and feeder calf were sold for an average of $19.87 per c.w.t. or an average of $145.13 per head as compared with last year's 1749 head which sold for an average of $22.75 per c.w.t.

The second Fall Feeder Calf and Yearling Sale was held on October 30 at the Farmers Livestock Exchange. A total of 1532 steers and heifers were sold for an average of $91.10 per head as compared to $111.53 per head last year. The calf average was $20.87 per c.w.t. as compared to $25.08 per c.w.t. last year.

Your agent cooperated with the Clarke County Wool Growers Association and the Farmers Livestock Exchange in holding a special Tel-O-Auction lamb sale on May 20. At this first sale, 382 lambs were sold. The prime lambs brought $25 per c.w.t. and the choice $24.90 per c.w.t. Two more sales are planned for June 3 and June 17.

Your agnet attended the Shenandoah Valley Wool Auction, along with the mangger and president of the Frederick Farm Bureau, Inc., held in Staunton on May 5. The Frederick County Wool Pool offered 50,000 lbs. for sale and it was bought by National Worsted for $0.72 82/100 cents per pound.

Two special market lamb sales were held in June. The first one with 130 head which brought $25.60 per c.w.t. for both Blue and Red Grades. The second sale had 716 lambs sold for $25.10 per c.w.t. for Blue Grade and $24.40 for Red.

last year. The average price per head was $137.68 for an average of $22.48 per c.w.t. as compared to last year's average of $169.24 per head and $28.34 per c.w.t. The consignors, of course, were very disappointed in the prices received but low feeder calf prices prevailed throughout the country and it is still felt by most consignors they received the highest price possible by selling through this consignors' sale.

Your agent assisted the Shenandoah Valley Polled Shorthorn Producers Association with their annual sale held on Saturday, April 11. Harry L. McCann and Veyne Omps were the two local consignors in this annual event. A total of over a 100 animals were sold and the sale was very successful considering the low beef market which prevails at this time.

Final reports of the Market Cattle Testing Program regarding the status of Frederick County beef farmers was received from Dr. George B. Estes, Assistant State Veterinarian in August. All beef cattle farmers in the county who had brood cows tested in this program were notified of their status which revealed that many would be eligible for the fall feeder calf sales without a brucellosis and tuberculosis test.

The first Winchester Summer Yearling sale was held on July 31, with 556 head being sold for an average of $142.12 per head or $20.62 per c.w.t.

Considerable time was spent on the Winchester Yearling Sale held on September 18th., in which 1,800 head sold for an average of $19.85 per c.w.t., which was nearly $4.00 under the 1963 prices.

The 25th. annual Winchester Feeder Calf Sale was held on October 2nd. at the Farmers Livestock Exchange. Your agent assisted with this sale and the results were as follows: 1504 feeder calves sold for an average of $23.62 per c.w.t. compared with last year's average of $27.25 per c.w.t. Your agent assisted with the Feeder Calf Show which was held prior to the sale with five pens of five

Other phases of Extension work in livestock:

A feeder calf consignors meeting was held on Thursday, March 19th. at the Lee-Jackson Restaurant. Fifty-five consignors attended the dinner meeting, with dinner being furnished by the Farmers and Merchants National Bank and Farm Credit Association of Winchester. The purpose of this meeting was to encourage new consignors to nominate their calves to one of the organized feeder calf sales sponsored by the Northern Virginia Livestock Producers Association. Twenty-two prospective new consignors attended the meeting and heard reports and talks given concerning the results of past sales by Allen K. Randolph, Executive Secretary of the Virginia Beef Cattle Producers Association. K. C. Williamson, Beef Cattle Marketing Specialist at V.P.I., discissed some of the advantages of marketing your calves through organized sales. Dr. M. V. Morrison, Federal Veterinarian from Harrisonburg, discussed the new cow blood testing program. Your agent discussed the County Agent's role in feeder calf sales activities.

The annual meeting of the Northern Virginia Livestock Producers Association was held on February 27 at the Lee-Jackson Restaurant with approximately 200 people attending. K. C. Williamson, Extension Marketing Specialist from V.P.I., served as Toastmaster and Dr. Wilson B. Bell, V.P.I. Dean of Agriculture, made the principal address.

Your agent cooperated with Owen Thomas, Executive Secretary of the Virginia Hereford Association, in connection with the Annual Bull Sale held at the Farmers Livestock Exchange on February 7.

Your agent assisted in holding the 12th. Annual Winchester Spring Feeder Calf Sale held on April 17th. 2881 head were sold for a total of $396,667.37 which was the largest spring sale ever held in Winchester. The cattle were sold to buyers from Indiana, Illinois, Ohio, New York, and other Eastern Mid-Atlantic States. There were 2,046 calves and yearlings sold for a total of $346,255.00,

FREDERICK COUNTY

A MAJOR EMPHASIS - EDUCATIONAL PLAN

PROJECT AREA: AGRICULTURAL PRODUCTION, MANAGEMENT AND NATURAL RESOURCE DEVELOPMENT

PHASE: Livestock - Educational Livestock Meetings

According to a spot survery of livestock farmers in general, the livestock committee felt that a general educational livestock meeting should be held because there was a need for livestock farmers to be informed of the latest information and most recent developments to help them in solving some of their livestock production problems. It is felt that many more of the livestock producers should adopt the latest recommendations in management to increase their net income to meet the ever rising costs. We think this meeting will be a good stimulant.

The objective of holding an educational livestock meeting is to keep as many livestock producers, as possible, informed of the latest developments in production and management of their livestock.

A meeting of swine producers was held in January and all major swine producers were invited and approximately 40 attended. Swine Specialists from V.P.I. discussed the most up-to-date recommendations for hog facilities, health programs, breeding, feeding, marketing, general management and economics involved.

The meeting was held in the early morning and breakfast was supplied by the Winchester Southern States Cooperative to help encourage attendance. Through this meeting, several producers have improved their housing facilities and started consigning to an organized feeder pig sale.

Several alfalfa samples were sent to the State Department of Agriculture for heptachlor residue tests. These samples came from fields that had been treated with granular heptachlor the Fall of 1963. Most of the samples returned showed serious heptachlor residue and the alfalfa is not recommended for feeding to lactating animals.

Your Agent cooperated with the County ASCS Committee in conducting a tour of the Blandy Experimental Farm in Clarke County on May 19. Approximately 150 people participated in the tour, of which most of the group was made up of FFA and 4-H members. The group viewed the radiation experimental set-up and inspected the ASCS practices being carried out on the experimental farm.

In spite of the drought this season four out of seven participants enrolled in the county 20-Ton Ensilage Club had their corn measured.

Other phases of Extension work in agronomy:

Cooperated with the County ASCS Committee in encouraging farmers to sign up in the thistle spraying program which is included as a practice for the fourth year. Forty-seven farmers signed up to spray their pastures for thistle control and your Agents checked each of these pastures to determine whether spraying was necessary.

Several farms were visited to inspect thistle infestation in their pastures during the early spring.

Assistance was given several farmers in selecting sites and details concerning the construction of Trench Silos. In order for most corn farmers to secure the most from their corn crop, it was necessary for the corn to be harvested in the form of ensilage which brought on the work with trench silos.

Your Agent attended and participated in two meetings sponsored by the County ASCS Committee for the purpose of discussing the 1964 Feed Grain Program. One of these meetings was held primarily for county and community committeemen. The other one was held when all farmers were invited to attend.

In addition to these two meetings, your Agent attended a meeting sponsored by the ASCS Committee held for the lime dealers to determine how lime applications might be increased during 1964.

Many requests were filled concerning alfalfa weevil infestation and the farmers were notified regarding this year's weevil control recommendations through news media and a copy of the new publication sent to most of them.

Your Agent cooperated with the Clarke County Agent in holding a meeting for the purpose of discussing corn production and different phases of farm weed control. The meeting was held at the Clarke County Court House on April 9. W. W. Lewis, Agronomist at V.P.I., spoke on "Corn Production" and Allen Kates, Extension Weed Control Specialist, spoke on "Farm Weed Control in General." Several farmers attended the meeting from Frederick County.

FREDERICK COUNTY

A MAJOR EMPHASIS - EDUCATIONAL PLAN

PROJECT AREA: AGRICULTURAL PRODUCTION, MANAGEMENT AND NATURAL RESOURCE DEVELOPMENT

PHASE: Agronomy - Forage and Grain Handling

It was felt that there was a need for more farmers to become informed of the latest most practical and exonomical ways of handling forage and grain on their individual farms.

The major problem was high cost of labor and the need for producing and handling farm grown feed as cheaply as possible to cut down on the purchase of high cost of commercial concentrates and forage.

County Agents from Frederick, Clarke, Loudoun, and Warren Counties, and the representative from the Northern Virginia Power Company cooperated in preparing presentations using various visual aids devices. The program consisted of the following: "Handling and Storing Forage" by W. J. Brown, Loudoun County Agent, "Handling and Storing Grain" by John T. Wolfe, Frederick County Agent, "Grain Drying" by Robert E. Prettyman, Farm Representative from the Northern Virginia Power Company, "Farm Feed Processing" by John Gerken, Clarke County Agent, and "Economics Concerning These Topics" by Bem Weddle, Warren County Agent.

The main emphasis in the meeting was to make the farmer aware of installing the right size equipment to feed his operation efficiently. We feel the meeting was worth-while in that some farmers have installed equipment for forage handling and have received assistance from members of the program.

used for awards to the winners, planned and held a banquet at which time the winners were recognized and awards and certificates from V.P.I. were presented. C. C. Mast, Extension Livestock Specialist, from V.P.I. was principal speaker on this occasion and gave a very informative talk on the subject, "Agricultural Production."

Periodic letters were sent participants during the year concerning weed control, recommended varieties, pasture mixtures, and recommended amounts and analysis of fertilizer applications.

The judging committee felt that after visiting the participants's farms and reviewing the score sheets all the farmers participating had managed to pasture their livestock on farms during the sever drought with having to sell less than 10 per cent. The judging committee took into consideration the drought and winners were determined mainly on how well they had utilized their pasture through rotational grazing, which in all cases lengthened the carrying capacity.

More than half of the participants in the pasture program sprayed their pastures for control of Curl and Musk Thistles, in spite of the drought, which helped greatly the carrying capacity.

FREDERICK COUNTY

A MAJOR EMPHASIS - EDUCATIONAL PLAN

PROJECT AREA: AGRICULTURAL PRODUCTION, MANAGEMENT AND NATURAL RESOURCE DEVELOPMENT

PHASE: Agronomy - Pasture Improvement Contest

Frederick County suffered its second consecutive drought this year. Due to this situation, our program in agronomy, as well as other phases of extension work, were greatly affected in that some to the activitées planned could not be carried out. Due to the drought, assistance was given to several emergency programs that had not been planned for at the beginning of the growing season.

Frederick County is in need of more acres of improved pasture because a majority of the livestock farmers need to increase the carrying capacity of their pasture to enable their operation to be more economical and efficient to cope with the ever rising operational cost. The census data for the county bears proof that this situation exists. Due to the increased cost of farm rent, improvement in personally owned pasture would be the most economical and practical way to increase the size of the farm operation.

The objective of the pasture improvement program is to increase the carrying capacity of all types of pastures in the county and thereby increase the net income of our livestock farmers.

The activities conducted in pasture improvement consisted of a county pasture club with 28 farmers enrolled, and a pasture awards banquet of which most of the participants attended.

Organized farmer committee in each of the five magisterial districts who signed up participants. A county pasture scoring committee comprised of five members visited the 28 participants' farms and scored the pasture on a specially prepared score sheet. Organized a finace committee who secured cash that was

It would be impossible to carry out a successful program in agriculture, home economics, and youth and meet the needs without the participation and interest of the many many leaders. The leaders make known their most important problems and in this way the needs of the majority are met. Leaders in the 4-H program need strengthening for both boys and girls and particularly for the boys in the community clubs.

I. At the beginning of the year in order to develop the county extension program that would meet the needs of most people, committees were made up of folks from all major segments of community concern.

Eight committees planned the home economics and youth programs for the county in the home demonstration program special interest activities, 4-H Club program and activities, and county-wide community activities.

In addition to the above mentioned committees, five agriculture commodity committees helped plan programs in agronomy, livestock, dairy, poultry, and fruit.

Also involved in the county extension program was seven Rural Areas Development Committees who dealt with the following: publicity, finance, soil conservation and reforestation, recreation and travel service, industrial development, educational and youth, and agriculture.

The home economics program is planned primarily by local leaders who meet and project the entire program in the home demonstration clubs. The leaders also plan the special interest activities and helped coordinate the groups as well as securing instructors for many of these programs.

Local leaders serve as organizational and project leaders for 4-H Club members, assist with the County Council in planning all county-wide events and activities, raised funds for promotion of various 4-H activities throughout the year.

The commodity committees analyzed various problems that needed attention and selected the most important ones and outlined and helped carry out programs to remedy these problems.

Emphasis was made to train leaders to give demonstrations, conduct meetings, and teach special interest groups in agriculture, home economics, and 4-H youth work.

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ANNUAL NARRATIVE REPORT

COUNTY EXTENSION WORK

Virginia Agricultural Extension Service

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Extension Agent

Agnes V. Shirley
Extension Agent

Carl J. Gerken
Assistant Agent

Assistant Agent

Assistant Agent

1964

Fredericksburg
County

ISSUED IN FURTHERANCE OF COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, ACTS OF MAY 8 AND JUNE 30, 1914, IN COOPERATION WITH THE U. S. DEPARTMENT OF AGRICULTURE. W. H. DAUGHTREY, DIRECTOR, AGRICULTURAL EXTENSION SERVICE, VIRGINIA POLYTECHNIC INSTITUTE, BLACKSBURG, VIRGINIA.