

L. Soils

One monthly meeting during the project year was set aside for training in taking a practical look at soils in their management and use. The county soil map and soil samples were used as aids in the instructions.

The soil judging team placed first in the district contest and third in the state contest. Charles Harlow was high individual in the district but was not eligible in the state because he was state winner in the agricultural program.

Steve White was fourth high individual in the state and will be a member of the state land appreciation team to the International Land Judging Contest in Oklahoma City next May.

L. B. Henretty, soil conservationist, was instrumental in training the team.

Soil Unit I is being taken by all the members as a countywide project in '61-62.

III. PUBLICITY

Through a weekly news column - "4-H Projects Talk" in the local paper - The Culpeper Star-Exponent - and the weekly radio broadcast over WCVA on the Farm and Home Hour, the county 4-H program and other agricultural information has been kept before the public. Numerous pictures averaging three to four each month tell the story of 4-H at work in the local newspaper. Approximately twenty 4-H'ers participated in publicity by writing news articles and making radio tapes. All of which tends to keep parents, leaders, friends of 4-H, and the public informed of 4-H activities.

The Lignum 4-H Club planted 500 Loblolly pine seedlings on one-half acre near Lignum. The Salem 4-H Club members planted 700 Locust Seedlings on three-fourths of an acre near Salem on a farm owner's field where the middle strip was eroded and in broom sedge. A county and district forester and agent supervised these projects. The farmers (brothers) gave the boys a hot-dog roast afterwards which they enjoyed.

On their own, Bobby Brown planted 300 seedlings, Eddie Dorsey planted 600, Robert Christensen, 1,000, and Charles Harlow, 9,000.

Robert Christensen was winner of the County medal.

#### J. Public Speaking

Since the District contest was scheduled on a school day at Front Royal, the members here couldn't get out of school to attend to participate. In view of this factor a county contest was not held as planned.

Don Lipscomb entered his State 4-H Achievement record as of April 1st in the state contest.

#### K. Garden

The twenty-five members in the garden project along with all the other boys received one monthly meeting of instruction and training how to utilize resources of soil and vegetable seed to provide food for the family.

Approximately half of the members made entries in the Junior Garden Department at the Culpeper Farm Show.

In addition to the instructor covering the subject, approximately six members are assigned parts to do research on and report on at each meeting.

It is interesting to note that only about six members of this project group would normally have been 4-H'ers this year and as a result has given opportunity for more young people to receive the advantage of 4-H work.

#### H. Entomology

The members of the "Bug" Club were trained to identify and classify insects as well as how to control harmful ones by the proper use of insecticides in their bi-weekly club meetings and field trips during the late spring and summer. Our Extension entomologist was on hand for one of the field trips. Most of the active members, approximately six, displayed their exhibits in the Culpeper Farm Show.

Danny Brown, president of the Club, entered his State 4-H Achievement Record in Entomology and won a \$20.00 scholarship at the State 4-H Short Course for being a District winner.

Danny and the agent accompanied the Madison County Bee Club on their tour to observe two methods of extracting honey.

Ronnie Leathers and Dickie Maddox were winners of the county medals.

#### I. Forestry

In teaching members purposes through practical experience of reforestation, two clubs, Lignum and Salem, planted 1200 seedlings on idle acres.

horse and rated accordingly. A local farmer provided the piece of ground for the 4-H Horse and Pony Club, and bought the posters the 4-H boys erected, then making a 75 x 175 foot ring which will be used by the club at different times.

A score card was drawn up by the club sponsors and program committee and will be used by the members and judges when the club members take a two-day scoring tour on 18 different farms to score thirty animals in late December. The Club program for December was a course in anatomy-study of the parts of a horse, Also the parts of a saddle and bridle.

No all-day rides were held this year, and the training school was held for one week instead of two.

G. Automotive Care and Safety

Several of their advisory members attended the district training session, got the vision, saw the need and spurred the other members to plan this project in the county.

The advisory council met several time and set up the program.

A picnic supper was given by one of the leaders for the instructors and members of the advisory council.

Before the instructional meetings started for the members, an introductory meeting was held where the members were introduced to their instructors, the project explained, project books and other materials given out, and refreshments served.

The project group meets the second Wednesday night of each month to receive instruction at the place arranged by the instructor on one of the nine project topics outlined in the manual.

letter of appreciation to Mrs. Young which was published in the local newspaper.

The participation was good in the Horse-Pony Show at the Culpeper Farm Show with over three-fourths of the members riding and showing their animals. The project group sponsors acquired donors for a high point trophy and two sportsmanship trophies for the English and Western Division.

The parents and leaders who met in January and planned the program through August, met again in September and asked that the project group organize into a club. The members had previously asked for the same. The leaders made suggestions for the '61-62 program and appointed Mrs. Jack Young to be in charge of the instruction, and Tom Jeffries to be on the program committee with Mrs. Young to work up the detailed monthly meetings which they did two weeks later. An awards committee chairman was elected at the meeting also. The leaders further requested that a Seminar be held in October and the week's training school next summer as well as junior hunts and rides this fall and spring. Eighteen standards and requirements were drawn up by the parents and leaders and were voted on by the members who registered for the Horse-Pony Club at its first membership meeting in November. The members elected officers- president, vice-president, western secretary, English secretary, keeper of the record books and chaplain. They also elected two sponsors each for the English and Western Divisions.

The Seminar was held as planned by the leaders in October where each member was put through a prescribed workout with his

The county tractor driving contest was held on April 8th. Kenneth Whitlock was the senior division winner and Freddie Harris, the junior division winner. Six local oil distributors contributed prizes for the contest winners. Kenneth went on to participate in the District Contest on April 22 and placed second.

Danny Brown and Rusty Inskip were county medal winners.

F. Light Horse-Pony

In it's first year in the county, starting in the fall of 1960 to the summer of 1961, the project was taken by a project group which met as such each month and received teaching and instruction from local resource people who willingly volunteered their leadership and talent to teach the youngsters. The program that the two project sponsors, elected by the parents and leaders, drew up and arranged for was a good job and was carried out well. Through the volunteer leadership of Mrs. Jack Young, past member of the International Jump Team and Colorado State Jump Champion for two years, a week's training school-5-day workout, was held at Boling Air Force Recreation Area. Mrs. Young taught the thirteen members enrolled in the school in things pertaining to horsemanship, riding, showmanship, jumping, etc. The members, of course, had their horses on hand and were given facilities by Norman Fulcher, manager of the A.F. Recreational Area and western sponsor of the project group, to leave their horses in during the week. These members completed the course and were presented certificates. The parents were on hand during the week to observe the training their children were getting and were so delighted with the way Mrs. Young taught the School and at what their children learned that they made a radio tape to tell the county about it and wrote a

The members met on a Saturday morning in April to make lamps and afterwards taking a tour of a gold Medallion Home. The host arranged for the group to eat a picnic lunch in the basement.

Linda Howell participated in the District Electric Demonstration Contest in Front Royal winning first place and won a blue ribbon in the state contest.

A county electric demonstration contest was not held as planned. An exhibit was not entered at the 4-H Electric Congress this year.

The picture of Jane Pote and Charles Harlow showing the Elec-Tic-Tac-Too game board which they operated at the electric club meetings appeared in the November issue of Electricity on the Farm - Southeast Edition.

E. Tractor

The 18 members completing the project were trained to have a better knowledge of tractor maintenance at five instructional meetings at the five tractor dealerships who sponsored the instruction in Unit B. Two junior leaders gave the instruction in Unit B. Two junior leaders gave the instruction in Unit A and other leaders, farmers, and businessmen instructed in Unit D. A summary meeting was held at which films were shown, record book grades given and plans made for the county driving contests.

The agent attended the District Tractor Leader Training Meeting in January. No leaders attended because of their jobs.

Several junior and adult leaders attended the District Tractor Banquet in Warrenton on April 6th.

Culpeper D.H.I.A. champion fitting trophy; Henry Weaver, the Culpeper A.B.A. Showmanship champion trophy, and Kenneth Smith the H.R. Hawkins' award.

Bobby Hawkins, Henry Weaver, and Kenneth Smith turned in State 4-H Achievement Records in Dairy as of April 1st.

Good publicity coverage was given junior dairy work through radio and local newspaper.

The Culpeper Dairy Club has approximately 20 members who are junior members in the National Holstein-Friesian Association.

D. Electric

To train members to have a more practical and workable knowledge of electricity and its uses a training course was set up and held every other week in February for members twelve years and under. They studied the fundamentals of electricity, etc. In addition they ordered and made lamps. Power Company representatives and local adult leaders gave the instruction. A second meeting training course was set up and was held for those over 13 years of age and was instructed by the same resource people in more advanced phases of electricity, such as farm and home layouts, meter reading, etc. This group also made lamps.

James Christensen and Diane Howell were the county winners to attend State 4-H Electric Congress in Richmond. On her achievement record book Linda Howell was district winner --winning a 19-jewel watch. Jesse Christensen and Tommy Williams were the county medal winners.

An afternoon tour climaxed the project.

The animal comparison demonstration was conducted in January by Bob Houck, "60 State Dairy Team member, for the judging team members. The area judging clinic was not attended by the team because of conflict with school session. The agent traveled to herds and sales with members and parents to aid in selection of suitable heifers for projects.

Special recognition and privilege was given at the Orange Holstein Sale for 4-H'ers to purchase breeder specified and sale committee censored heifers. However, the same opportunity wasn't given at the Culpeper sale since it was a commercial sale.

The club members did not have a special picnic as planned but did eat lunch together on the tour in June.

The first parent and leader group was organized and held its first meeting in October and decided to sponsor the club for the members for '61-62, made suggestions for better programs, changed the time of meeting to a non-school night which has uped the attendance. The dairy members who wanted to be in the club registered in November, elected officers and became organized for the coming year. They elected their club sponsor who will lead the Club and its activities and head the Junior Dairy Department at the Culpeper Farm Show. He will also work with the agent in working up the details of the monthly program.

No county medals were awarded this year in Dairy because of needed increase in performance and achievement by the members.

Keith Harris won the Maple Springs Farm Trophy and the Locust Glen Award (a purebred Holstein heifer); Joe Houck won the

In line with the objectives approximately two-thirds of the registered animals were shown at the Piedmont Black and White Show, three-fourths at the Culpeper Farm Show, one-half of registered animals at the Northern Virginia Dairy Show and under one-fourth of these at the State Fair. The emphasis on better fitting and showing paid off. Charles Harlow, junior leader, in the spring gave a tack box display demonstration to the members. The need for a tack box and essential equipment was itemized on the score card and members scored on what they had and how they were using it.

In helping the members increase in knowledge of type and production, Hartsell Hawkins, D.H.I.A. Supervisor, gave a talk and demonstration on the dairy testing program and showed the mechanics of its operation. H. R. Hawkins, Artificial Inseminator, gave a talk on breeding management and the selection and use of artificial sires.

The Club participated in the Annual Hoards'Dairyman National Judging Contest.

The Senior Judging Team placed 1st in the District and third in the State Contest. Henry Weaver was high individual in the District Contest and sixth high individual in the State Contest. Thirteen dairy members under fourteen completed a four week Junior Dairy Judging School conducted by H. R. Hawkins, club sponsor, and Bill Houck, 1960 member of the State Dairy Judging team. This school was held once each week and members were presented certificates at the end of the four weeks.

The agent did not attend any of these meetings. The leaders did an exceptional job and the parent participation was good.

A number of the swine members in the county breeding program have sold gilts for breeding purposes to farmers in the county. The sears boar was also used by local breeders. This has influenced the community with good breeding stock and also high quality pigs at the Feeder Pig Sales.

The county medal award winners in swine were Allen Wohlleben, Tommy Gore, Billy Hoffman, and Wayne Breeden. Bobby Brown with his outstanding Yorkshires won the Culpeper Appliance trophy for champion female, the Culpeper Farm Service trophy for champion boar, the Coca Cola Bottle Works trophy for champion market pen of three, and Salem Ruritan Club trophy for the champion market single.

#### C. Dairy

Training the approximately 40 members with nearly 70 animals to be better feeders and managers with good records, training instruction was given through the Dairy Club monthly meetings in talks from local farmers and leaders, on feeding, care and management, etc., demonstrations from local D.H.I.A. technician, A.B.A. Inseminator, junior leader on tack box display, junior leaders on fitting and showing, and other meetings making use of charts and films.

To train the members to do a better job in fitting and showing, the first dairy tour was held in June. Parents and leaders provided transportation, making 16 stops to score over twenty members. With each member scoring his fellow member on various feeding, care and management practices, made for a better job in the coming Shows.

Marvin Bates, former county agent, spoke to the club on feeding heifers for Show.

market hogs, in July for all the swine members. This demonstration was very impressive to the members by way of the quality of showmanship presented at the Culpeper Farm Show.

A month before the sale, Marvin Bates, former county agent and part-owner of the County Farm Service, gave the members a lesson on salesmanship to aid them in selling their pigs.

Because of time and school problems, the swine members were not able to attend the judging clinic or the contest, but did receive training in the county from junior leaders, adult leaders and their agent.

The Sears Pig Chain members have improved on breeding their gilts to farrow on time. They have become more aware of the importance of getting their pigs on the ground to continue the chain links.

The '61-62 Chain was extended another link in May and a banquet was held for the 60-61 chain members and their parents, sponsored by the local Sears Store. Wayne Breeden received first place in the Chain and received the county swine metal. Bob Tudor, Assistant County Agent from Fauquier County, was the official scorer for the Sears Chain project.

Jimmy Hoffman, Swine Club sponsor, received a certificate of recognition in the National 4-H Alumni award program for his outstanding leadership in the county.

The grading demonstration was not held in the county because school presented a problem when the feeder pig sale was held.

### B. Swine

A group meeting was held with the parents and leaders to decide whether or not to have a special Market Hog Show and Sale. The group decided for the event and drew up rules and regulations. They appointed Jimmy Hoffman as club sponsor and head of the Show and Sale.

The 4-H Swine Club was organized with 23 members participating. The club met once a month during the summer - May to August - to discuss their problems and receive instruction on feeding, care, and management, utilizing the adult leadership in the county.

A county-wide tour was held in July for the members, leaders, parents, and agents. The members scored each other on various points of feeding, care, management, and handling ability of the pigs.

The first Market Hog Sale was organized and held in conjunction with the Baby Beef Sale at the Culpeper Farm Show. With seven members participating in the Market Hog Show, 19 animals were exhibited with Bobby Brown showing the grand champion borrow. The 19 hogs averaged \$29.94 per hundred weight at the sale, with 17 of the 19 grading U.S. No. 1.

One of the problems in the past years has been low participation in the shows and sales, such as the Orange Area Hog Show and Sale, but with 13 members participating in Shows this year with 35 animals and with the quality that was exhibited, that this will counteract this problem.

A Fitting and Showing demonstration was conducted by Bobby Brown, junior leader, and an outstanding breeder of

Farmers Cooperative, gave the club a lesson in salesmanship to apply in selling their steers.

Bobby Baker, Frank Gimbel, Tommy Jeffries, and Phil Eggborn each received the county beef awards this year presented at 4-H Achievement Day.

A club picnic was held this year during the Farm Show on the afternoon before the sale and given by Mrs. Mildred Gimbel, an adult leader in the Beef Club.

The club members elected Garland Whitlock as the 1961 club sponsor. Mr. Whitlock also was recognized for his five years of devoted leadership to 4-H by receiving a silver 4-H pin and a silver certificate of recognition.

Carol Fitzhugh and Kenneth Whitlock entered their beef State 4-H Achievement Record Books this year, with Carol Fitzhugh a red ribbon winner.

In September, a group consisting of a representative from the Culpeper Feeder Calf Association, Culpeper Chamber of Commerce, Sponsor of the Beef Club, a Beef Club leader, and the assistant County Agent, met to discuss the problem of getting steers sold in the county and improvements to make in next year's Beef Club events.

During the course of the project, monthly visits were made to supervise the feeding and management practices of the steers and heifers.

show. Kenneth Whitlock won the special steer feeder management trophy given on the basis of having the highest score in the project as scored by his fellow members. A local Insurance Business sponsored the trophy.

Twenty-three animals were shown in the Junior Beef Show at the Culpeper Farm Show - August 28 - September 2. Carol Fitzhugh showed grand champion Angus female, and Jerry Whitlock receiving grand champion on his Hereford female. Phil Eggborn showed the grand champion steer (Angus), selling for \$55.00 per cwt. Frank Gimbel showed the reserve champion steer (Shorthorn) selling for \$44.00 per cwt. Fifteen steers were sold at the sale totalling \$5,486.28 and averaging \$41.36 per cwt. Eight were Culpeper 4-H steers, three from Rappahannock County, two from Madison County, and two county FFA steers.

On training members to do a better job on fitting and showing their animals, a demonstration was conducted by Kenneth and Jerry Whitlock, junior leaders, at their home in March. These boys also gave a demonstration on the equipment used to fit an animals.

The county did not have a livestock judging team to attend the district contest this year; however, a number of livestock members were given a series of judging training sessions.

Among the speakers in the monthly programs were - Silas Aylor, manager of Brandy Rock, who spoke at a monthly meeting on BCIA to increase the members' knowledge of beef cattle type and production, and record keeping. John Hill, manager of Culpeper

Whitlock was presented the five year silver certificate and the silver medal for outstanding leadership in the Baby Beef program. The 4-H Alumni Recognition Certificate went to Jimmy Hoffman for his leadership in organizing and steering the first market pig show and sale here in the county and also for work in the Sears Chain breeding program.

## II. PROJECT WORK

### A. Livestock

#### 1. Beef Calf and Heifer

The beef members have been very active this year with about 25 members participating. They meet each month to receive instruction on their projects from various leaders in the county. Instruction films are also shown to the members on feeding, care, and management of their projects.

Two beef tours were held, one in March and the other in November with 99% of the members attending and scoring each other on various points of care, management, and handling ability of project.

A Heifer, Feeder Steer, and Fat Steer Show was held at Culpeper Enterprises in April, sponsored by the Culpeper County Chamber of Commerce. Tommy Jeffries received the championship award in the Market Steer Class and received \$43.50 per cwt. Ten steers were sold at the sale averaging \$31.33 per cwt.

Fitting and Showing classes were held for the heifers and feeder steers. The purpose was to give the members more experience and put them in position to do a better job in the fall

junior division winning a trip to 4-H camp at Holiday Lake. There were second, third and fourth placings in the junior division sponsored by the two local banks.

Four-H Sunday vesper services stressing the Heart H was held at Harlow's Lake and conducted by All Star members. A local pastor was the guest speaker.

The 4-H picnic was held at the Tea Room with recreation in ball games and swimming with plenty of good food brought by members and parents. Drinks were donated by the 4-H County Council. Approximately seventy members and parents attended and had the opportunity to meet the four 4-H Interchange Exchange delegates and their leader from Hampshire County, Massachusetts, who stayed with host families in the county July 15 - 22.

Total of 114 members made 301 entries, winning \$619.75 prize money in the Culpeper Farm Show, August 28 - September 2. In spite of school starting the same week the members made a good showing. A number of the junior leaders served as superintendents of departments working with the department head who were adult leaders.

Four-H Achievement Day and its activities were sponsored by the Honor Club junior leaders who did an outstanding job from 10 a.m. - 2 p.m. entertaining approximately 140 members and parents in guessing contests, door prizes, judging contests, relay races, recreation, lunch, a movie - "4-H In Action", formal Honor Club initiation, and presentation of awards and certificates. Thirty-three county medals were presented to the winning 4-H'ers. Garland

Twenty-two members (three short of the goal) participated in the Jaycee sponsored Wildlife Feed Patch Planting Contest for county youth. Four of five county winners as judged by the game warden and district game biologist were 4-H members.

Eight State 4-H Achievement Records were submitted April 1st meeting the goal. Charles Harlow was state winner in the Agricultural Awards Program winning a trip to National 4-H Club Congress in Chicago. Danny Brown won 1st place in the district in Entomology, winning a \$20.00 scholarship.

The new officers of the clubs were taught correct parliamentary procedure at the county council meeting and are being taught and are learning as they conduct their regular meetings with the aid of suggestions mimeographed for each respective office.

The junior leaders were active in their responsibilities of opportunities for leadership in all of the project groups and clubs.

During National 4-H Week observance - March 4 - 11 - the members and junior leaders wrote 12 news articles which were published in the Culpeper Star-Exponent, made four radio tapes, approximately 20 posters from the clubs were put up, a window display at Leggett's Department Store, and thirty-five members participated in twenty-two numbers at the 4-H Share-the-Fun Contest where 175 members and parents witnessed the members perform. Dianne and Linda Howell placed first in the Senior Division winning a trip to State 4-H Short Course sponsored by the Virginia Associations of Electric Cooperatives. Bud Lake and Ronnie Leathers placed first in the

B. Results and Methods of the County 4-H Program Through the County Council and Honor Club

Training the 4-H members in developing character, citizenship, leadership, responsibility, skills and learning by doing was promoted through 133 group instruction meetings, 374 home visits for individual contacts, two judging teams to the State Contest and 107 other members participating in judging work, approximately two-thirds in contests, one-third in Shows, three-fourths in the five county-wide events, and all of the 230 members are involved in one or more projects. The members themselves, leaders, friends, resource people, and Extension agents afforded the opportunity for this learning experience here in the county, at camps, Short Course, All Star Conference and other trips.

The year book committee did not function to edit the '61 year book.

Several articles on Culpeper 4-H Work appeared in the State 4-H Paper-Head, Heart, Hands and Health.

The Senior Club's plans to erect five 4-H Welcome signs on major highways coming into the county fell through. The Honor Club has recently taken up the project and plans to get this job done in '62.

A leader was not sent to Natural Bridge Leader Conference as planned.

Distribution of 75 of the 100 "4-H Club Member Lives Here" signs was made to members desiring them for erecting at the road side entrance to their farms and homes.

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4-H CLUB

'61 ANNUAL NARRATIVE

By: Mason H. Hutcheson  
Asst. County Agent

1. CULPEPER COUNTY 4-H CLUBS

A. Situation

The Culpeper 4-H County Council has an executive committee of eight officers representing the 14 organizational clubs in the county. The 224 boys and six girls enrolled in the 459 projects are represented by their respective club officers who are trained for their specific job. The eleven member Honor Club, with its four officers, is in the position and accepts actively the junior leadership responsibilities in the overall program in arranging and carrying out the annual big five county-wide events--Share-the-Fun contest, 4-H Sunday, 4-H Picnic, Culpeper Farm Show, and 4-H Achievement Day. The county 4-H All Star Chapter is composed of 22 active members. The eight member Youth Council acts in the advisory capacity for the overall youth program.

There are nine clubs in the county schools meeting monthly on school time and four organized project clubs in Beef, Dairy, Light Horse-Pony, and Entomology which meet monthly at night. Organized project groups which also meet weekly and/or monthly at night or on Saturdays are in Tractor, Electric, Market Swine, Automotive, and breeding swine (Sears Pig Chain).

A great deal of time was spent on Farm Show arrangements for an expanded show this year which included the Virginia Angus Show. Youth entries increased and more interest was exhibited in leadership.

Three area meetings were held for farmers and leaders in the area which included fertilizer dealers meeting, machinery and forage meeting, and meeting on V.P.I.'s Role in Virginia's Changing Agriculture."

Information was presented in the radio broadcasts, news articles and circular letters concerning the facts on the Feed-Grain Program. Farmers seemed to have a knowledge of the program and signed 18% of their corn acres in the program.

The Extension School held in February was one of the most successful projects undertaken in Extension teaching in several years. This School was planned by the commodity committees, carried out by the County Board of Agriculture with the cooperation of many groups and the school officials. A total of 578 people attended the four sessions, averaging 145 people per night, or 36 people per class for a total of 1156 pupil instruction hours. In the evaluation survey the farmers asked for a similar school to be held next year.

The agent expresses his appreciation for a successful year in Extension in Culpeper County for the extra work, cooperation, and conscientious effort of Miss Virginia Yancey, Extension Secretary, Mrs. Grace Brothers, Mason Hutcheson and Edward Poe.

the school board by the Extension agents.

4. The Council helped with the four Interstate Exchange 4-H from Massachusetts and will follow work on the Culpeper Exchange next year.

#### VII. MISCELLANEOUS

Six farmers completed farm records for the year in the Electronic Farm Record Program. These farmers held an analysis session with the specialist in December.

Nine farmers are enrolled in the program for 1962. The Agricultural Economics Department is setting up a research project in business management on two of these farms starting in 1962. Four sessions in farm management were also held at the Extension School.

A Town and County Institute was held in September where 25 ministers and community workers heard Dr. Fessler speak on "Group Dynamics" in addition to reports from the service agencies.

More than an average number of tours were made in the county this year, which included 28 dairy and beef men from N.C., 160 dairymen from Burkes County, Pa., 65 beef cattle feeders from Ohio, a delegation from Pakistan and Pakistan Embassy, 25 farmers from Augusts County, ten farmers from Pittsylvania County, a group of dairy-men from Kind George County, and Mr. Andrews, agronomist from Alabama.

Information was collected on the county for a county story published in the Progressive Farmer and the D. P. Magazine.

An Adult Youth Council was organized three years ago to correlate the youth work. Adequate adult leadership is still one of the major problems.

An additional assistant county agent, Edward Poe, Jr., came with the county staff in June to work primary with the youth of the county.

#### Goals

1. Members of the Youth Council will help correlate the youth program and suggest areas of improvement.
2. Youth committee members will council with high school seniors concerning college life and more formal education.
3. Youth Council members will discuss the 4-H situation with school officials. At present all clubs meet in school during school hours except the Senior High School Club.
4. Youth Council members will help conduct the Interstate Exchange of Senior 4-H members with Massachusetts this July.

#### Results and Methods

1. Members of the youth council gave guidance to the youth program in the Council consideration and also represented the youth on the County Board of Agriculture.
2. Council members discussed college life with several high school seniors. Dr. George Blume is scheduled to speak to high school students in the near future on the value of more formal education.
3. Youth Council members informally discussed the 4-H situation with the county school officials in addition to the meeting held with

3. Invite local forester to explain forestry program on at least three programs during year.
4. Explore the possibilities of organizing a Forestry Club.
5. Plan at least two 4-H tree plantings in areas needed most.

#### Methods and Results

1. The proposed tour could not be scheduled until after hunting season on November 20th. The committee felt that this time would not be safe and the tour was postponed.
2. Several articles were published in the local paper on approximate cost of forest improvements. More personal accomplishment articles would be more effective.
3. The local forester shared three radio broadcasts this year where timely forestry practices were discussed.
4. Information on the forestry club was assembled this year but no definite action was taken on organization.
5. The two planned 4-H tree plantings were made at the Jones farm in Lignum and the Lewis farm near Eggbornsville. Demonstration plantings have been made in almost all sections of the county and serve a very useful purpose.

#### VI. YOUTH

The Culpeper 4-H program is expanding each year as more adult leaders are taking an active part in leadership. Special interest clubs, such as the Light Horse-Pony, have added much more scope to the youth program.

2. A four-county poultry school was held in Madison in March and November. Separate sessions were provided for layer producers and broiler producers with much higher attendance than was experienced in county meetings. This idea works well and will be continued next year.

3. The planning committee felt that the proposed poultry tour would be more effective at a latter date and that the two schools be held this year.

4. The monthly "Peep and Moo", "Poultry Pellets" and the quarterly "Poultry Hints" were mailed as planned to the county poultrymen this year.

5. The equivalent to a radio broadcast and weekly news columns were presented on poultry every two months. Several timely news stories and other information were presented in the local paper.

#### V. FORESTRY

Over 43% of the land area in Culpeper is covered by forest and the products sold account for about 1.1% of the farm products sold. About 50,000 acres of this forest is on farms of which about 20% is grazed.

#### Goals

1. Organize a forestry tour in November to see tree plantings, thinning, and the results of chemical spraying in the Lignum area.

2. Publicise economic information on thinning, planting and poisoning with local forester and A.S.C.

#### IV. POULTRY

##### Situation

Egg Production has doubled in the last five years and stands at over 1,000,000 dozen at present. Poultry accounts for over 10% of the value of agricultural products sold in Culpeper County. Most of the layers are in flocks of over 1,000 birds at present and have changed from small farm flocks in the last five years. A modern egg grading plant has been established in the county. Only a few turkey and broiler producers are included in the Culpeper poultry industry.

##### Goals

1. Conduct an Egg Marketing Meeting of all producers in January where marketing problems will be presented and a course of action will be decided.
2. Because of the small number of poultrymen, plans were made for an area poultry school in Madison for spring and fall.
3. Sponsor a layer tour in the York, Pa. area in the spring to observe new practices in layer market.
4. Mail all county poultrymen the monthly published circulars-- "Peep and Moo", "Poultry Pellets" and the quarterly "Poultry Hints."
5. Devote one weekly radio broadcast and newspaper article every two months to poultry.

##### Methods and Results

1. Over 30 poultrymen attended the marketing meeting held in January. Two Marketing specialists spoke and the group made plans for some changes in the marketing program at the local grading station.

visiting southern Maryland in January or February.

6. Brandy Rock, M. M. Mitchell, and Croftburn farms were enrolled in the testing program of the B.C.I.A. This meets the goal of three more farms added to the county total of seven.

7. All advertising and financial business was turned over to the Feeder Calf Association secretary, Miss Gladys Arms, this year. Over 3,500 calves in addition to yearlings were sold in the three organized sales this year. This was an increase in numbers over last year.

8. After a survey 150 western ewes were trucked to the Culpeper Enterprises for dispersal.

9. At least one radio broadcast and newspaper column was devoted to livestock each month.

A Purebred Swine Sale was held in February with 14 head sold to Culpeper farmers. All the BCIA herd owners were visited this year with a specialist.

Over 22,000 pounds of wool was sold through a newly organized wool pool. A good deal of time was spent on re-certification of the county Brucellosis Program.

Two R.O.P. Bull Feeding programs and sales were conducted in Culpeper in addition to bull testing on the farm.

George Litton spoke at the annual feeder calf meeting where 103 people attended.

7. Turn all financial and advertising matters over to the feeder calf association. Help to improve the three organized calf and yearling sales held each year.

8. Survey needs for replacement ewes and hold a dispersal if number justify.

9. Devote at least one radio broadcast and newspaper column to Livestock each month.

#### Methods and Results

1. Over 250 people heard the four livestock speakers at the Extension School held in February as planned. More details of this very successful event is outlined in the agronomy and dairy sections of this report.

2. Several meetings on swine management and health practices were held with the feeder pig directors. Attendance of members has been low and plans will be made next year in consideration of this problem.

3. The disease meeting planned was not held because it could not be scheduled in the fall season. This topic was discussed in the Extension School held in February.

4. Six feeder pig sales were held where over 3,000 pigs were sold with two sales averaging over 700 head each. Progress in adding numbers is slow but a marked increase in swine management has been seen as a result of these sales.

5. After surveying the interest of farmers the committee voted not to conduct an out-of-state tour this year with the possibilities of

### III. LIVESTOCK

#### Situation

Livestock and livestock products account for 36% of the value of all farm products sold in Culpeper County. Hogs, cattle, and sheep numbers have increased during the last five years. Feeder lambs, calves, and pigs are the main sources of income with organized feeder calf and yearling sales in the county in addition to six feeder pig sales. The pig sales, started last year, are responsible for a marked improvement in management and quality of swine in the county.

#### Goals

1. Include a livestock section in the county Extension School to be held on each Tuesday night in February. Livestock speakers as follows: George Litton - "Factors in the Beef Cattle Operation"; Dr. V n Dresser - "Parasitism in Beef Cattle, Sheep, and Hogs"; George Allen - "New Concepts in Sheep Production-Confinement, Early Weaning, etc."; and Role Godsey - "Feeder Pig Production".
2. Conduct a feeder pig management demonstration and outline correct practices for market of feeder pigs.
3. Have Extension veterinarian conduct meeting where transmittal livestock diseases are discussed in relation to marketing problems.
4. Work with committee on out-of-state tour plans.
5. Work with feeder pig producers to increase the quality and number of head from 500 to 800 per sale.
6. Contact all eligible beef producers and enroll three additional herds on Virginia B.C.I.A.

5. Barn charts outlining mastitis control procedures were distributed to all dairymen. Efforts were made through literature and farm visits to familiarize barn men with these practices. Very informative mastitis control calendars were distributed for use in 1962 to all dairymen in addition to a monthly mastitis control newsletters.

6. Since most of the dairymen conducting monthly herd examinations with the local Vet have changed their procedure lately it was felt best that the planned meeting on this subject be postponed for further committee action.

7. The herds of John and Edward Boldridge were enrolled on Owner-Sampler as planned this year.

8. Some local businessmen and their employees were present at most dairy meetings this year.

9. A Dairy Heifer Sale was organized and held in June where 225 Holstein heifers sold for an average of \$292 per head. This sale is planned as an annual event.

10. More than 12 radio broadcasts and newspaper columns were devoted to dairying.

An increase in artificial breeding was seen this year and over 100 dairymen attended the annual meeting in February.

Over 85 head of dairy animals were exhibited in the Culpeper Black and White Show in addition to added interest shown in the Culpeper Farm Show.

### Methods and Results

1. The dairy session was organized as planned in the February Extension School with the four invited speakers appearing on the program. The dairy section had more than the average attendance of 36 people to each of the eight dairy lectures. The dairymen asked for the same type of school next year and indicated that they learned from this method of teaching.

2. William Patterson and William Griffith conducted two sessions of the herd book conference where 15 dairymen attended this one-half day analysis meeting in February.

William Griffith also spoke on the EDM system to 55 D.H.I.A. members and guests at their annual meeting in February. After a better understanding of the program over two-thirds of the Culpeper members have transferred to the new system.

3. A Dry Cow Management Meeting was conducted at Earl Hawkins' farm in November. Mr. Hawkins explained his management practices for dry cows to over 30 dairymen in addition to Dr. V. M. Baldwin presenting information on the same subject.

A Forage Handling Meeting was conducted by Dr. Baldwin and Easley Smith the night before the tour with 32 farmers attending. This handling information was also emphasized at the farm tour.

4. The three barn milking clinics were not held this year as planned. The late harvest season and lack of time in scheduling were the main causes for delaying these events.

2. Hold the D.H.I.A. Herd Book Conferences in February with sessions where about 10 dairymen of about same herd size and conditions will attend. Ask William Griffith to speak on EDPM Records at the annual meeting.

3. Invite all county dairymen to a Dry Cow Management Meeting at Earl Hawkins' farm in February or this fall. Ask Mr. Hawkins to discuss management practices in addition to Extension dairyman giving research information on Dry Cow Management.

4. Hold Bara Milking Clinics at three farms in July and August. John Hunt and Donald Kite to select locations, cows, etc. Each owner to invite the local dairymen.

5. Present all literature and information possible on mastitis control--one of our major management problems.

6. Arrange for a meeting in October or November where the county dairymen may hear the experiences of the local veterinarians and the dairymen who have been conducting monthly herd examinations in conjunction with their breeding program.

7. Enroll at least two dairymen on Owner-Sampler program and work with the three Dairy Herd Improvement Associations.

8. Invite local businessmen to all dairy meetings and events to further Farm-City relationship.

9. Work with committee to organize a Dairy Heifer Sale this summer or fall.

10. Devote at least one weekly radio program and news column to dairying each month.

At least 24 farmers attended the Northern Virginia Forage Conference and several out-of-state tours visited the county farms.

A new variety of oats, Roanoke, was planted as a farm observation plot this year.

The Culpeper agronomy committee was recognized with the outstanding forage achievement in the Northern District again this year.

II. DAIRY

Situation

Dairying accounts for 45% of the farm products sold in Culpeper County and has increased from \$2,290,000 in 1954 to \$3,305,000 in 1959. There are about 110 grade A farms shipping to the Washington Milk Market. Milk cow numbers have decreased to 8,704 in 1959. About one-half of the cows are on D.H.I.A. and about two-thirds are bred artificially. In the last few years there has been a major shift to loose-housing and automatic forage feeding with emphasis on more corn silage.

Goals and Methods

1. Include four sessions on dairying in the February Extension School. This would include -
  - (a). Dan Kite to conduct a class on dairy farm mechanization.
  - (b). William Griffith to speak on feeding cows in the barn.
  - (c). Professor Paul Reaves - Dry Cow and Heifer Management.
  - (d). William Patterson - Should I Raise Dairy Heifers in Culpeper County?

neighbors and acted as host for these meetings which seemed to be highly successful.

3. Six of the 8 planned corn plots were conducted with a committee-man in charge of the plot in his community. Because of the late and wet spring weather three of these demonstrations were not of much value. Three plots were weighed and calculated with one outstanding demonstration at Murat Curtis. The one plot served a very useful purpose in the less progressive community.

4. One of the most successful Corn, Silage and Hay Shows was held in November with 20 corn, 21 silage, and 12 hay samples exhibited. The two local banks sponsored \$60.00 prize money. William Lewis judged the exhibits and held a silage evaluation meeting in the evening on the 20 samples. Over 40 farmers attended this meeting where quality corn and hay was also discussed. The group suggested an improved system of evaluation and showing corn next year.

5. Twenty-six county seed and fertilizer dealers and their employees attended a box-supper meeting prior to a session of the Extension School in February. Howard Potts discussed seed and fertilizer recommendations at this annual session. Lack of time for discussion was the only objection heard and more time will be allotted next year.

6. The two T.V.A. demonstrational farms were continued this year with fertilizer orders filled at the Harrisonburg plant.

7. More than the 10 planned weekly radio broadcasts and newspaper columns of the total 265 were devoted to agronomy subjects.

4. Hold a Silage, Hay, and Corn Show in October with banks sponsoring prize money.
5. Conduct a Box Supper Meeting in February for all seed and fertilizer dealers employees where recommendations are discussed.
6. Conduct a Silage and Hay Evaluation Clinic in November.
7. Continue the two T.V.A. demonstrations and devote 10 weekly newspaper columns and radio broadcast to agronomy subjects.

#### Methods and Results

1. The Extension School was held as planned in February at the High School. A total of 578 people attended the four sessions with an average of 145 attending per night or 36 people present at each of the 16 classes. Each person had an opportunity to attend two one hour lectures each Tuesday night in February. Refreshments were served and all people responding to the evaluation sheet termed the School successful.

2. After talking with the president of each of the six Ruritan Clubs, a committeeman placed two soil sampling tubes, soil boxes and sheets, and a soil map at the local stores in each community. The Ruritan Clubs have charge of maintaining supplies and lending the tubes for more effective sampling.

G. R. Epperson and George Jones conducted six one-half day Community Soil Schools in October. An average of 20 farmers attended these field meetings where their own soil type and capabilities were discussed. Wm. E. S. Jones, I. M. Rosenberger, E. T. Willis, Harvey Carpenter, J. H. McDevitt, and Jimmy Hoffman invited their

## I. AGRONOMY

### Situation

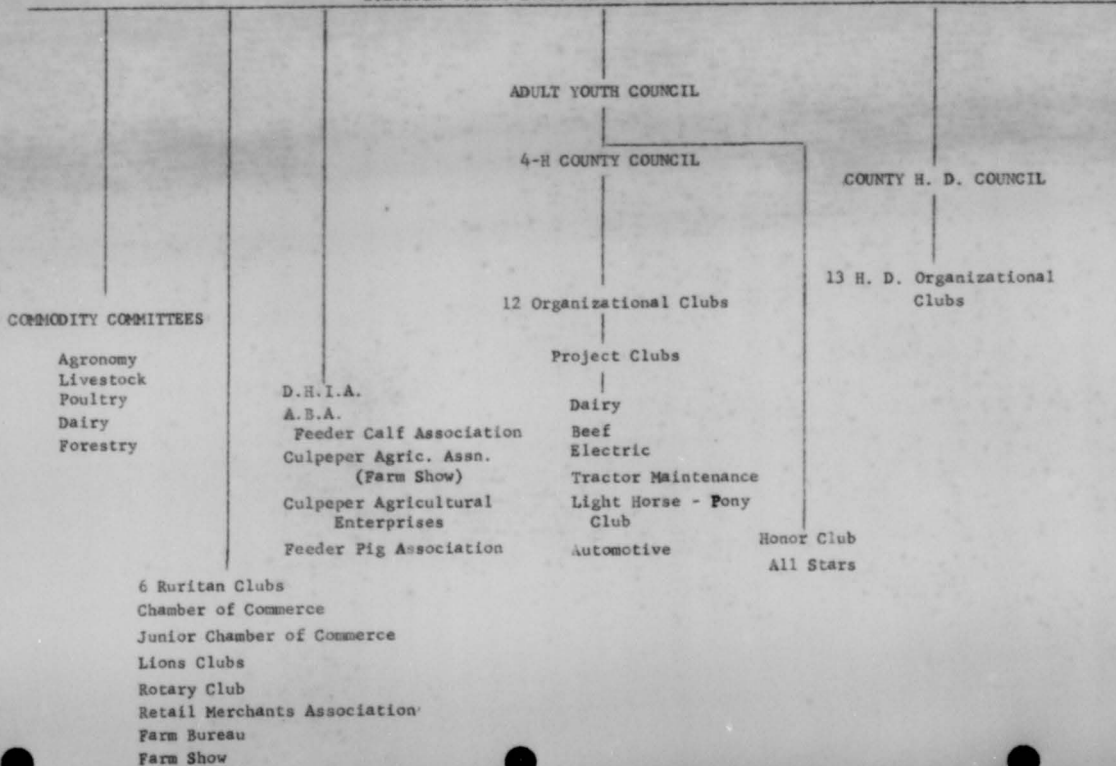
Most of the crops grown in the county are fed to the 31,904 head of cattle in addition to the increasing number of hogs, hens and sheep. Corn acreage has increased over 1000 acres in the last five years with 13,356 acres planted in 1959. About 9000 acres are harvested for grain and 4,500 cut for silage. Alfalfa hay has increased about 1000 acres in the last five years to 5,328 acres in 1959. Weed and insect control has been receiving a good deal of emphasis in corn, alfalfa and pastures the last few years.

The county is using about 2.8 acres of pasture per animal unit, .19 acre of hay, .28 acre of silage, or a total of 3.9 acres per animal unit with a forage hay equivalent per animal unit of 3310 pounds.

### Objectives

1. Hold a Culpeper Extension School the four Tuesday nights in February with an agronomy section. Allen Kates will conduct weed control class; William Lewis, pasture management; Dr. H. L. Dunton, fertilization, and Dr. Blaser, alfalfa production.
2. Have each Ruritan Club set up a soil sampling kit in each of the six communities. Have G. R. Epperson conduct Soil Management Schools in the communities in October.
3. Conduct 8 corn production demonstrational plots with all leaders responsible.

PRESENT COUNTY EXTENSION ORGANIZATION  
 CULPEPER COUNTY BOARD OF AGRICULTURE



eight to twenty outstanding farmers and leaders for each of the major enterprises in the county. Following is a list of the active committees: Agronomy, Dairy, Livestock, Poultry, Youth Council, 4-H Council, and the Forestry Committee. Extension specialists and other agricultural workers help pre-plan for each of these committees in January where the accomplishments of the previous year are presented and plans for projects that need the greatest emphasis for the current year are made. The Agricultural Stabilization Conservation, Soil Conservation Service, State Disease Eradication, and county health representatives are asked to attend the planning meetings as ex officio members where plans involve these agencies.

Although the entire committee generally meets only once each year, a portion of the committee is called when needed to plan and carry out specific events throughout the year.

A County Board of Agriculture was organized six years ago in an effort to correlate the Extension program. Active members of the Board include two members of all Extension committees, adult, 4-H and home demonstration. The Board meets annually where all phases of the Extension program are presented. Representatives from each of the five Ruritan Clubs, the Chamber of Commerce, the two banks, and other similar organizations in the county interested in agriculture are invited to attend the Board meetings. This Board brings the agricultural program and other cooperating organizations into a closer working unit.

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respectively (1954 census). Poultry is third with 10%, and the value of field crops sold is 6.6%.

In the last 15 years the cattle numbers have doubled and stand at over 32,000 head at present. Most of this increase has been in beef cattle numbers.

In the last two years about 20 new commercial laying flocks with over 1000 birds each are in production which adds about \$375,000 to the annual farm income.

SITUATION CHANGES

Three structures on the Mountain Run Watershed were completed this year furnishing an adequate water supply for future expansion. An additional three small industries also started production near the Town of Culpeper in 1960.

With almost ideal growing conditions in most of the county crop production is far above normal for corn, small grain, and hay. Lower prices for products sold forced producers to make adjustments in labor, efficiency, feeding quality, and fertilization.

A marked increase in milk produced, beef cattle sold, and hen houses was seen in 1961.

EXTENSION ORGANIZATION

The Extension program in the county is the combined plans and ideas of representative farm leaders, in addition to the thinking of representatives from all the other agricultural agencies.

The basis of the Extension program planning starts with the commodity committees. There is a commodity committee composed of

COUNTY SITUATION

Culpeper County is located in the upper Piedmont Plateau about 80 miles from Washington, D. C. The county covers 389 square miles (248,960) with a total population of 15,088. There are 853 farms comprising 68.4% of the land area with an average acreage of 200 acres per farm valued at \$33,368 (1959) census. The land is rolling and hilly in parts, but the 50 soil types, the mild climate, and the approximate 40 inches of rainfall make conditions in Culpeper County favorable for crop and livestock production in the 190 day grazing period.

Culpeper County is primary agricultural with only a few small industries. There are three national highways and a railroad leading to excellent markets. Seventy-two per cent of the county inhabitants are white with 28% colored residents. The rural farm population has been steadily declining until at present 39% of the people live on rural farms, 42% on rural non-farms, and 19% are urban. Of the 853 farms, 402 are commercial farms with the 436 remaining farms being operated part-time with sales from agricultural products from \$50 to \$2,500.

The Town of Culpeper with a population of 2500 is the only major town and serves as a shopping center for the people of the county and adjoining areas.

Practically all of the crops are fed to livestock in the county. Major sources of farm income are from dairy and livestock products which are about 46% and 36% of the total farm products sold

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# ANNUAL NARRATIVE REPORT

## COUNTY EXTENSION WORK

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**Assistant Agent**

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1961

COUNTY *Putnam*  
County