1948

Annual Report: 1948

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COOPERATIVE EXTENSION WORK

IN

AGRICULTURE and HOME ECONOMICS

ANNUAL REPORT 1947

CHERRY COUNTY

STATE OF NEBRASKA

[Signatures]

P.B. Herington
COUNTY EXTENSION AGENT

D.M. Bouse
ASS'T COUNTY AGENT
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget</td>
<td>18</td>
</tr>
<tr>
<td>Clothing, Family Economics, and Community Life</td>
<td>71</td>
</tr>
<tr>
<td>Committees</td>
<td>10</td>
</tr>
<tr>
<td>Conservation of Natural Resources</td>
<td>51</td>
</tr>
<tr>
<td>Crop Production</td>
<td>33</td>
</tr>
<tr>
<td>Extension Board Director District (Map)</td>
<td>19</td>
</tr>
<tr>
<td>Expenditures</td>
<td>17</td>
</tr>
<tr>
<td>Farm Labor (Graph)</td>
<td>58</td>
</tr>
<tr>
<td>Farm Management</td>
<td>57</td>
</tr>
<tr>
<td>Feature Story</td>
<td>82</td>
</tr>
<tr>
<td>Form of Organization</td>
<td>20</td>
</tr>
<tr>
<td>4-H Club Organization</td>
<td>28</td>
</tr>
<tr>
<td>4-H Club Distribution (Map)</td>
<td>30</td>
</tr>
<tr>
<td>4-H Club Enrollment and Completion (Graph)</td>
<td>31</td>
</tr>
<tr>
<td>Home Demonstration Work</td>
<td>23</td>
</tr>
<tr>
<td>Housing, Farmstead Improvement</td>
<td>64</td>
</tr>
<tr>
<td>Inventory</td>
<td>5</td>
</tr>
<tr>
<td>Livestock</td>
<td>39</td>
</tr>
<tr>
<td>Marketing</td>
<td>60</td>
</tr>
<tr>
<td>Nutrition and Health</td>
<td>70</td>
</tr>
<tr>
<td>Outlook</td>
<td>84</td>
</tr>
<tr>
<td>P. F. L. Distribution (Map)</td>
<td>50</td>
</tr>
<tr>
<td>Plan of Work</td>
<td>88</td>
</tr>
<tr>
<td>Program of Work Request</td>
<td>15</td>
</tr>
<tr>
<td>Preface</td>
<td>7</td>
</tr>
<tr>
<td>Situation</td>
<td>86</td>
</tr>
<tr>
<td>Summary</td>
<td>2</td>
</tr>
<tr>
<td>Windbreak Planting (Graph)</td>
<td>49</td>
</tr>
<tr>
<td>Windbreak Planting (Map)</td>
<td>50</td>
</tr>
</tbody>
</table>
Economic program of extension work was supported entirely from County Tax funds. The budget for the coming year was raised to $3,475 from last year's budget of $2975. This was very much appreciated, as it will allow a more complete extension service program. This is $25.00 under the $3500 ceiling allowed by the new bill L. B. 405.

The annual meeting was attended by 164 people. The program which was held in the new 4-H building and at the Experimental Station, consisted of a business session; four talks on current livestock problems, and a morning and afternoon session of witnessing feeding trials at the Valentine Experimental Sub-Station. Three new members were elected to the board for three year terms; thus taking the place of the three, one year members.

Eleven project clubs and study clubs, with a membership of 138. One new club organised this year, with a membership of 28. Only one training center.

There were twenty active 4-H clubs with 232 members, who were enrolled and completed. About two-thirds were livestock club members. Three 4-H club Achievement Days were held and one county 4-H Achievement Day, which was held prior to the County Fair was a great success. Special events in the year's 4-H program were judging and demonstration days, six livestock judging contests, two 4-H leaders training meetings, five achievement programs, many 4-H parties, county 4-H picnic, three 4-H camps, County and State Fair, Ak-Sar-Ben and Sioux City, and Denver Livestock Show. The year's highlight was when a 4-H demonstration team attended and won first at the Chicago Livestock International Exposition.

P. F. L. this year consisted of a Farmstead Improvement Program and working with various livestock and conservation cooperators. Four entries were made in the district Farmstead Improvement Program.

Six demonstrations were conducted on Control of Cattle Crabs. Four Fly Control demonstrations. Seven stock growers assisted in obtaining spray outfits. It is estimated that over a hundred thousand cattle were treated for livestock pests during the year.

63 farmers were assisted in obtaining improved varieties of seed; osage and clinton, oats and good seed corn were among the seed obtained.

Results of wintering tests with protein, urea and mineral supplements, showed that the protein could be stretched out by seeding smaller quantities with liberal amounts. The urea tests proved to be quite interesting, although, recommendations for its use cannot be made. These feeding trial results were publicized at various meetings and in the press. No quality cream meeting was held this year. However, assistance was given in the selection of better dairy stock, and the production of quality products was emphasized.

Since there is not veterinarian in the county, the agent is often asked for information and sometimes can aid with stock growers sick animals. Blood samples, preventative control, good management, and administering intravenous injections are the extent of the service.
B-H club work increased the number of clubs from eighteen to twenty clubs, while the membership remained about the same as last year.

There are 155 cooperators in the wind break project planting 152,050 trees. Had the supply of red cedars not been exhausted, more orders would have been placed. The majority of the trees planted are in the east one-third of the county. Three demonstrations were conducted using the mechanical tree planter. Thirty persons used the tree planter.

R. E. A. projects were very successful this year. Forty-three persons completed the sign up in the Cherry-Todd County R. E. A. districts with 361 miles of high line. The engineer completed his survey. The loan was approved. The main obstruction now is the source of power. The future is much brighter.

Interest in a soil conservation district was increased to quite a satisfactory pitch. The vote for a district of all land in Cherry County, with the exception of Township 26 south, and range 31 west, was carried. The board of supervisors was elected and a conservationist has quite a full program under way.

Farm labor needs were quite well met this year, without recruiting laborers from other parts of the country, etc. During the peak season, having help was short, good help was scarce and still is. Help was also short three of the months during the year.

The home extension club lesson on color, created more interest in home improvement than other lessons. Kitchen improvement was close second. There was a large improvement in hill kitchens.

Ranch homes received more attention this year in the beautification of their yards and homes.

One B-H club with 10 members completed 100%, while many plans are being made and some executed as to yard beautification. The agent helped plan or suggested changes in many yards during the year. Many changes were made, probably due to more available help, more available money and more time for yard beautification and development.

One freezer local demonstration was held with a commercial company with 25 persons attending. This helped increase demand for service. Local systems have a long waiting list. A canning demonstration and nutrition talk also helped to improve the quantity and quality of meals—time of preparation in a great many homes.

An annual flock owners meeting was held, emphasizing the control of disease and good management. Assistance was given the local hatchery in pullorum flock testing.

Project clubs gave the Blue Cross drive assistance. These same clubs assisted with the polio drive in the county.

Eighty-one operators are using extension service Income Tax Record Books, and two Farm Account Books were taken out for use on the ranch.

Rural organization and community life was developed through B-H club work and Home Extension club work. Three home extension clubs gave definite assistance
to the community through efforts in improving and remodeling buildings for community centers. The organisation of a county H-R committee, also assisted the recreational life. A county rural youth group was organized and at this time there are 30 active members. This was the biggest step toward the improvement in rural recreation and community life.

The electrical equipment show was the most outstanding meeting ever held, as 350 persons attended. This was the most outstanding feature for the extension service this year.
<table>
<thead>
<tr>
<th>ARTICLE AND DESCRIPTION</th>
<th>OWNERSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel filing cabinet—l drawer</td>
<td>Cherry County</td>
</tr>
<tr>
<td>Steel filing cabinet—letter size</td>
<td>Cherry County</td>
</tr>
<tr>
<td>Stenographer's Desk, oak</td>
<td>Cherry County</td>
</tr>
<tr>
<td>3 Walnut chairs, saddle seated</td>
<td>Cherry County</td>
</tr>
<tr>
<td>8 Chairs</td>
<td>Cherry County</td>
</tr>
<tr>
<td>Cabinet, homemade pine shelved</td>
<td>Cherry County</td>
</tr>
<tr>
<td>2 Venetian blinds, new 1947</td>
<td>Cherry County</td>
</tr>
<tr>
<td>Multi-stamp set</td>
<td>Cherry County</td>
</tr>
<tr>
<td>1 wood file 6 x 8</td>
<td>Cherry County</td>
</tr>
<tr>
<td>Royal Typewriter</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Steel filing cabinet—letter size</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Filmstrip projector, 35 mm.</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Projector screen 36 x 48</td>
<td>County Extension Service</td>
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<tr>
<td>Camera</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Chest of drawers, pine</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Pronto files, 2, olive green metal</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Bulletin Shelves, new 1940</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Stationery Cabinet, pine</td>
<td>County Extension Service</td>
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<tr>
<td>Light fixture and fluorescent bulb</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Light fixture, suspended</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1938 Atlas, 3 copies used in office</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1938 Atlas, wall map</td>
<td>County Extension Service</td>
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<tr>
<td>Bulletin Binders, 12 canvas</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Bulletin boxes, factory made paper, 40</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Bulletin boxes, homemade, 116</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>14 wire filing trays</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Floor brush, &quot;Fuller&quot;</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Dust mop</td>
<td>County Extension Service</td>
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<tr>
<td>Shelf brush</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Desk Dictionary</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Fountain-O-Ink sets, 1</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Stapler</td>
<td>County Extension Service</td>
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<tr>
<td>Metal Bond Box</td>
<td>County Extension Service</td>
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<tr>
<td>Paper cutter</td>
<td>County Extension Service</td>
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<tr>
<td>Journal and Ledger Binders</td>
<td>County Extension Service</td>
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<tr>
<td>Cardboard Waste Basket</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 Indian Fire Extinguisher</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>Plate glass for desk top</td>
<td>County Extension Service</td>
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<tr>
<td>Stenographer's chair</td>
<td>County Extension Service</td>
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<tr>
<td>2 paper punches</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 stamp moistener</td>
<td>County Extension Service</td>
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<tr>
<td>1 Hoes display</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 Flag</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>2 Boards grass display</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 Large Wood Pine Filing Cabinet 4 x 6</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 Steel Supply Cabinet 4 x 6</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 Bulletin Wood rack</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 wire basket</td>
<td>County Extension Service</td>
</tr>
<tr>
<td>1 Venetian Blind, new 1947</td>
<td>County Extension Service</td>
</tr>
</tbody>
</table>
Inventory or Equipment (cont.)

1 wire basket  
1 small table  
1 Steel supply cabinet 18 x 27  
1 Drinking cup dispenser  
1 Speed-Print  
1 Thermometer  
1 Fan  
1 Hammer and screw driver  
1 dust pan  
1 clock  
2 pencil sharpeners  
10 Folding Chairs  
1 Closed wooden cupboard  
1 cross cut saw  
1 memo roll pad

Wire Waste Basket  
Canvas Loose Leaf Binder  
Homemade Table  
Postal Scale  
Swivel chair  
Magazine rack  
Black top table, homemade  
Framed pictures, 5 enlargements  
Kodachrome and black and white slides  
2 Filing cases for slides  
Reference Bulletins (230)  

1 H-H Club paint demonstration set  

County Extension Service  
County Extension Service  
County Extension Service  
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County Extension Service  
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County Extension Service  
County Extension Service  
County Extension Service  
County Extension Service  
County Extension Service  
County Extension Service  
County Extension Service  

Fred Gumbow  
State Extension Service  

W. P. A. Office  

Kola Fischer  
Cherry County Ext. Service  
Cherry County Ext. Service  
Cherry County Ext. Service  
Cherry County Ext. Service  
Cherry County Ext. Service  
Cherry County Ext. Service  
Cherry County Ext. Service  

Carter Lead Company
The second conservative farm census showed that Cherry County still ranks as the nation’s leading cattle county. The latest released census figure lists the cattle population at 3,693,690. Cherry County is what they call "king size". It contains 3,693,699 acres of range and crop land. Only 44% of this acreage is under cultivation. You could tuck the states of Rhode Island and Delaware into it, and have enough land left over for 516 average size ranches. The average size ranch in this county is 3,493.6 acres.

Tenancy is low in "God’s Cow Country", only 26.6%. The last 1945 census showed that there are only 1,942 operating units of farms and ranches. This is a reduction of 175 units in the last five years. Therefore, it is a long way between ranches. Of the 1,942 units, there are 353 full owners; 385 part owners; 277 tenants; and 27 managers. Only 30% of the rural homes have telephone service, and these are in the heavily populated areas. However, telephone service seems to be a little on the upswing. In many families, they are from ten to fifteen miles from a telephone.

Dotted all over this undulating vastness are hundreds of lakes. Many have been stocked with fish by the State Game and Fish Commission.

Lack of improved roads reduced the rate of travel to an average of 15 miles per hour over most of the county’s 54,000 miles of roads and trails, which receive partial maintenance. There is an East West Highway across the northern border of the county, and a north South Highway 18 miles from the east border. A new highway was completed from the McIvor ranch west and south to the Wild Life Refuge Headquarters. Other new roads are proposed (definition of sand hill road maintenance), wild hay in sand blown tracks and the use of auto gates), although gates are a real improvement and are becoming more numerous.

Approximately 5,000 wind mills pump crystal clear water for thirsty cattle and ranchers. The average ranch has about one wind mill to a section. However, water systems are much improved over the past.

Horses still outnumber tractors but there is still a great demand for the "Mechanical Horse". Cherry County still has 1,94,000 horses. In 1940 there were only 153 tractors, while today it is estimated that there are over one thousand.

Any rancher will tell you that mechanization is definitely here to stay. Many mowers, loaders, and stackers have been mechanized for the job of haying 533,860 acres of wild hay. Some ranchers now have their own "flying saddle horses" meaning planes. These are used to a good advantage in checking fences, wind mills, cattle and fly into town for supplies. Ranchers now are beginning to think in terms of soil and moisture conservation. Many thousands of trees have been planted for ranch and livestock wind breaks. New moves have made, relatively inactive, better grazing and pasture management practices are being followed.

These hills and valleys grow a mixture of grasses that get animals rory-poly fat. Big and little bluestem, sandhill bluestem, switch grass, hairy grass, sand dropseed and sand reed grass are the important sandhill grasses. The plants thrive very well on the 18 inches of moisture they receive.
Some grasses are more palatable to cattle than others. Ranchers who follow good range management practices have more of the "good kinds of grass" than those who don't.

Total population of the county is 9,637. Farm population is 4,558. 'Towns and villages in this cattle domain are: Brownlee, Cascade, Cody, Crookston, Elsberry, Ewing, Kennedy, Kilgore, Merriman, Menzil, Simeon, Sparks, Valenti ne, and Wood Lake. Many of these are nothing more than just ranch houses used for post offices as a matter of convenience for locating the people by community. Many people have addresses of towns surrounding the county.

Due to poor roads and sparse population, mail service out in the county is poor. Many families are far from rural routes and get their mail only when they go to town.

The people in the south half of the county use trade centers on the Burlington railroad which runs along three to twelve miles south of the county border.

Of the 149 rural school districts only 100 are holding school. Some of the inactive districts are not holding school due to the lack of children of school age. The lack of school teachers are responsible for the others.

Livestock and livestock products furnish 93 per cent of the farm and ranch income. Most of this is from the sale of feeder cattle. The range has been stocked at average rate and prices received for cattle have been unusually high. Steer calves sold up to 30 and 31 cents with heifers going at slightly less. Some of the ranchers received even higher prices.

The moisture received in June and July was exceptionally heavy. The rains which flooded the rest of the country really benefited the ranch and hay country, after a trying spring. The hay crop was about average to a little higher in some meadow areas.

Weather conditions were not quite as erratic as in the past year. Although a couple of strong wind storms in August raised havoc with the hay crop, which was either in the stack or in the windrow. This forced ranchers to restack what hay they could recover, thus a longer demand for labor. Unfortunately a heavy hail storm struck in many places in the crop land and in the hay country. This was early in August which worked hardship on quite a few farmers and ranchers. The soil went into the 1947 fall in extra good condition as a result of 6.29 inches of precipitation above normal from July 1st 1947. However, the fall of 1948 has been very dry and the moisture is below normal.

The winter was mild with less snow fall than normal. Crops got off with a bad start in the spring as it was very dry. There was no late killing frost this spring as there has been in the past two years. Therefore, there was a good wild fruit crop and the small grain and range pasture was not damaged from the late frost.

Corn was held back in the spring and cool dry weather was the cause, but was given a boost with July and June rains. Most of the corn had an opportunity to mature as there was a long frost free period with the late fall. This crop was exceptionally good this year as it was over the state.

The prairie hay crop in general was a little below average yield but was fairly good in quality. There were a few localities where the hay crop was quite short.
Local newspapers have increased pages in their papers, even with the paper shortage. They have been able to take all of the $87 news items and other publicity.

Because of the sparse population and distance between places, Rural electrification, as a county wide project is a distant hope. However, a few precincts in the north and east have completed the sign up for a district with Todd County, South Dakota and Ainsworth district this year, so R. E. A. is becoming more of a reality than a dream for some folks. Others will have to rely upon the windcharger

Also because of the small population and of the distance between places, it takes time in conduction the extension program in a good many places.
C. S. Reece, Rancher ............................................. Simeon
John Drayton, Rancher .......................................... Valentine
Walter Ohlman, Farmer .......................................... Crookston
E. C. Davenport, Banker .......................................... Valentine
H. A. Baker, Rancher and Commissioner ....................... Valentine
D. J. Cole, Rancher and Commissioner .......................... Merriman
R. B. Herrington, County Extension Agent ..................... Valentine

CHERRY COUNTY NON-STOCK
COOPERATIVE LABOR ASSOCIATION

Officers and Directors

L. W. Harse, President ............................................. Valentine
Thos. Arnold, Vice President .................................... Menzel
R. B. Herrington, Sec-Treas ..................................... Valentine
D. J. Cole .............................................................. Merriman
Roy Ross ............................................................... Gordon
Wm. Ganser, Jr. ....................................................... Woodlake
COUNTY A. C. P. COMMITTEE

Frank Simons, Chairman..................................................Sparks
Walter F. Oehman.............................................................Crookston
L. W. Harse.................................................................Valentine

U. S. D. A. COUNTY COUNCIL

Frank Simons, A. C. P. Chairman........................................Sparks
Chas. Lewis, A. C. P. Sec...............................................Valentine
J. L. Stilwell, Federal Farm Loan......................................Valentine
Norm O'Keif, F. S. A....................................................Valentine
R. B. Herrington, County Agent, Sec.................................Valentine
L. F. Bredemeier, S. C. S...............................................Valentine

COUNTY SUPERVISORS

E. M. Hodges, County Clerk.............................................Valentine
Albert Foster, County Treasurer........................................Valentine
John Kinne
R. A. Baker, County Commissioner.....................................Valentine
D. J. Cole, County Commissioner.....................................Valentine
R. C. Stevenson, County Commissioner...............................Brownlee

COUNTY FARM LABOR COMMITTEE

F. M. Reece.................................................................Simeon
Ray Roseberry.........................................................Whitman
Olin Ravenscroft.......................................................Kennedy
Thos. Arnold............................................................Kenzel
Morris Rosseter..........................................................Gorden
W. F. Ganser, Jr..........................................................Wood Lake
Clarence Kellogg..........................................................Sparks

*County Wage Committee Members
## ANNUAL PROGRAM AND ACCOMPLISHMENTS 1948

<table>
<thead>
<tr>
<th>Major Projects</th>
<th>Phase</th>
<th>Goal</th>
<th>Accomplishments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livestock Improvement</td>
<td>Winter rations</td>
<td>Protein &amp; Mineral supplements</td>
<td>1 Result Demonstration, Publicized at 4 meetings, Mineral feed increased 50%</td>
</tr>
<tr>
<td></td>
<td>Cost of weaning calves.</td>
<td>5 cooperators</td>
<td>2 cooperators keeping records.</td>
</tr>
<tr>
<td>Breed Improvement</td>
<td>200 ranchers reached</td>
<td>292 ranchers reached at 2 meetings</td>
<td></td>
</tr>
<tr>
<td>1. Selection of Feeders</td>
<td>2. Cull</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Control</td>
<td>300 ranchers using D.D.T.</td>
<td>12 power sprayers purchased over 100,000 head treated for pest control</td>
<td></td>
</tr>
<tr>
<td>Sanitation and Disease</td>
<td>Reduce Death loss 50%</td>
<td>7 meetings of sanitation and disease control, 4 news letters</td>
<td></td>
</tr>
<tr>
<td>Disease Control</td>
<td>200 4-H members</td>
<td>232 4-H members judging and demonstrating.</td>
<td></td>
</tr>
<tr>
<td>Judging and Demonstrations</td>
<td></td>
<td>32 ranchers seeded legume and tame grasses.</td>
<td></td>
</tr>
<tr>
<td>Crop Production</td>
<td>Meadow Improvement 25 ranchers seeding clover</td>
<td>6 farmers want weed district</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weed Control 15 cooperators</td>
<td>7 farmers treated with 2-15 D</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Insect &amp; Rodent Control 20 farms reached</td>
<td>13 stockmen and farmers controlling pests.</td>
<td></td>
</tr>
<tr>
<td>Seed samples: grain, barley, rye, corn, wheat, sorghum</td>
<td></td>
<td></td>
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<td>-------------------------------------------------------</td>
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<tr>
<td>Soil samples</td>
<td></td>
<td></td>
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<tr>
<td>Grass &amp; weed: small, cultivated</td>
<td></td>
<td></td>
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<tr>
<td>Weed: planting - May - July</td>
<td></td>
<td></td>
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<tr>
<td>Meadwig improvement</td>
<td></td>
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## ANNUAL PROGRAM AND ACCOMPLISHMENTS 1948

<table>
<thead>
<tr>
<th>Major Projects</th>
<th>Phase</th>
<th>Goal</th>
<th>Accomplishments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybrid Corn</td>
<td>Find Adaptable Hybrids</td>
<td>3 hybrids showed some improvement over open pollinated variety.</td>
<td></td>
</tr>
<tr>
<td>Small Grain Improvement</td>
<td>Find Best Adapted Grains</td>
<td>b show promise</td>
<td></td>
</tr>
<tr>
<td>Fertilizer on Grass and cereals</td>
<td>Determine value in sandhills</td>
<td>Results in crop section show possibilities.</td>
<td></td>
</tr>
<tr>
<td>Ranch and Home Improvement</td>
<td>Wind breaks</td>
<td>County led state in trees planted, 152,050.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 plantings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erosion Control</td>
<td>50 farms reached</td>
<td>61 reached</td>
<td></td>
</tr>
<tr>
<td>Interior Improvement</td>
<td>100 homes reached</td>
<td>197 homes reached</td>
<td></td>
</tr>
<tr>
<td>Landscaping</td>
<td>1 club, 5 members</td>
<td>1 club, 10 members, 70 ranchers assisted in yard beautification.</td>
<td></td>
</tr>
<tr>
<td>Sewage Disposal</td>
<td>20 septic tanks</td>
<td>15-20 put down.</td>
<td></td>
</tr>
<tr>
<td>Equipment Improvement</td>
<td>100 homes reached</td>
<td>137 reached.</td>
<td></td>
</tr>
<tr>
<td>Family Food Problems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preservation</td>
<td>Home canning for conservation</td>
<td>66 persons attended canning demonstration, 512 qts canned by 4-H.</td>
<td></td>
</tr>
<tr>
<td>Adequate Diet</td>
<td>5 cooking clubs</td>
<td>43 members in cooking clubs.</td>
<td></td>
</tr>
<tr>
<td>Gardens</td>
<td>Fresh food in 1000 homes</td>
<td>Mission accomplished.</td>
<td></td>
</tr>
<tr>
<td>Dairy Produce</td>
<td>Improve Market quality</td>
<td>Sanitation and management emphasized.</td>
<td></td>
</tr>
<tr>
<td>Major Projects</td>
<td>Phase</td>
<td>Goal</td>
<td>Accomplishments</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------</td>
<td>-------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Public Problems</td>
<td>Health Program</td>
<td>150 homes reached</td>
<td>Project clubs supporting Polio drive and Blue Cross Plan. Some towns D.D.T. ed and garbage disposal inaugurated</td>
</tr>
<tr>
<td></td>
<td>infantile paralysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Garage-D.D.T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fairs and County</td>
<td>all clubs exhibiting</td>
<td>6 Achievement meetings held. All clubs exhibited.</td>
</tr>
<tr>
<td></td>
<td>achievement</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Veterans Program</td>
<td>A job for each one</td>
<td>Veterans programs inaugurated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>under new state plan</td>
<td>16 veterans in training.</td>
</tr>
<tr>
<td>MONTH</td>
<td>SPECIALISTS</td>
<td>TOPIC</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>Specialist: Rural Youth, Program Planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Supervisors District Board Meetings</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Leader Training, General</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Home Ec-Health, Plan Institute</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Home Ec-Laundry Demonstration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>February</td>
<td>Specialist: Home Ec-Sewing Machine Attachments</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Engineering, Wiring</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Entomology, Coyote Meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: 4-H Committee, 4-H Clubwork</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: 4-H Club Work, Officer Training</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Animal Husbandry, Type Demonstration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>March</td>
<td>Specialist: Home Ec-Fabrics, Demonstration</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Supervisors District Board Meetings</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Poultry Flock Owners Meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Horticulture, Windbreak Yard Beauty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>April</td>
<td>Specialist: Home Ec-Health, Health Institute</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Animal Husbandry, Animal Diseases</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Consider Department</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: 4-H Club Work, Leader Training Subject</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>Specialist: 4-H Club Work, Demonstration &amp; Judging Day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Home Ec, Pressure Cooker</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Animal Husbandry, Animal Feeding day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>Specialist: Animal Husbandry, Fitting and Shaving</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: 4-H Club Work, Camps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>July</td>
<td>Specialist: Agronomy, Fertilizer and Grass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>August</td>
<td>Specialist: Animal Husbandry, Hereford Tour</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialist: Animal Husbandry, Livestock Judging and Showmanship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>September</td>
<td>Specialist: Home Ec-Insurance, Demonstration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
September..............Specialist..............Engineering, Water & Sewage Installation

October.....................Specialist..................Animal Husbandry, Feeder Calf Selection

December.....................Specialist..................Rural Youth, Organization
Specialist..................4-H Club Work, Achievement
Specialist..................Seed Meeting, Agronomy
Specialist..................Animal Husbandry, Rural Health
## SUMMARY OF EXPENDITURES

For the period beginning July 1, 1948 and ending June 30, 1949

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Salary of County Agent</td>
<td>$300.00</td>
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<tr>
<td>Salary of Office Assistant</td>
<td>$1055.82</td>
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<td>Travel</td>
<td>$712.78</td>
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<td>Supplies</td>
<td>$312.85</td>
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<td>Express and Freight</td>
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<td>Postage</td>
<td>$62.72</td>
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<td>Telephone</td>
<td>$117.91</td>
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<td>Repairs</td>
<td>$20.30</td>
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<tr>
<td>New Equipment</td>
<td>$195.07</td>
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<tr>
<td>Rent</td>
<td>$46.50</td>
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<tr>
<td>Miscellaneous</td>
<td>$121.60</td>
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<tr>
<td><strong>TOTAL OPERATING COSTS</strong></td>
<td><strong>$2973.92</strong></td>
</tr>
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</table>
# Cherry County Extension Service

## 1948 Budget Estimate

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Budget</th>
</tr>
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<tbody>
<tr>
<td>1. SALARIES</td>
<td></td>
</tr>
<tr>
<td>A. County Extension Agent</td>
<td>$600.00</td>
</tr>
<tr>
<td>B. Office Assistant</td>
<td>$1500.00</td>
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<tr>
<td>2. OFFICE SUPPLIES, PRINTING &amp; STATIONERY</td>
<td>$75.00</td>
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<tr>
<td>3. TRAVEL EXPENSE, AUTO AND RAILROAD</td>
<td>$500.00</td>
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<tr>
<td>4. EXPRESS</td>
<td>$10.00</td>
</tr>
<tr>
<td>5. POSTAGE</td>
<td>$50.00</td>
</tr>
<tr>
<td>6. TELEPHONE</td>
<td>$90.00</td>
</tr>
<tr>
<td>7. REPAIRS</td>
<td>$15.00</td>
</tr>
<tr>
<td>8. EQUIPMENT</td>
<td>$75.00</td>
</tr>
<tr>
<td>9. RENT</td>
<td>$50.00</td>
</tr>
<tr>
<td>10. MISCELLANEOUS - NOT PROVIDED FOR ABOVE</td>
<td>$150.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$1875.00</td>
</tr>
</tbody>
</table>
FORM OF ORGANIZATION

The sponsoring organization for agricultural extension work is the Cherry County Extension Service. In 1939 the name of Cherry County Farm Bureau was changed to Cherry County Extension Service severing membership with the State and National Farm Bureau organizations. Since that time the activities of the county organization has been educational in Agricultural Extension Work.

Officers of
THE CHERRY COUNTY EXTENSION SERVICE
Valentine, Nebraska

President...............Lyle Best.....................Wood Lake
Vice President..........Howard Tetherow...............Wood Lake
Secretary-Treasurer.....F. M. Reece.....................Simeon
                     George Pearson.....................Valentine
County Agent...........R. E. Herrington...............Valentine
Office Assistant........LaVerna Walton...............Valentine
                     Edna Schiedel...............Valentine
                     Claire Wient

Board of Directors

Lloyd Olsen............Cody
George Pearson.........Valentine
                     Donald Cox.....................Mullen
Bill Kuhnt..............Korden
Emil Fuchser............Irwin
Leslie Crabb............Valentine
Lyle Best...............Wood Lake
Howard Tetherow.......Wood Lake
Heimer Valentine.......Cody
A. J. Simons.............Valentine
                     Eldon Howarth.............Mullen
The annual extension service meeting of Cherry County was held May 15th in the new 4-H building. County bridge plank and baled hay served as the seats and gave quite a very natural setting for their annual meeting. There were 150 people who took in the afternoon session. The men outnumbered the women about three to one. District 5, in the southwest corner of the county again wasn't represented in this meeting. The reason for this, is probably that it is difficult to carry on much of an extension program in that section of the county, and the interest in extension service is a little lower than in the rest of this vast area called the county. It takes the biggest part of a day to drive to Valentine, and a trip necessitates an over night stay. Although some ranchers now have planes to come to the County Seat and with the completion of highway 83 South, more people can come to Valentine in a shorter time than it took years ago through the Sand Hill trails.

The meeting was divided into five phases; District 4-H judging contest, the business session, talks and two inspections (one morning, and one afternoon) of the experimental lots of cattle. The day was perfect and although some ranchers were still moving and branding cattle, there was quite a large crowd in attendance.

A district 4-H contest was conducted in the morning by the agent and Bill Derrick. The following classes were judged, brood sows, saddle horses, pure bred bulls, and two classes of feeder heifers. Winners in the contest were: Joyce Anderson, Dancy Stasch, and Lila Brybrend. A picnic lunch was held on the station lawn and was quite a success, as over 100 people took advantage of the warm sunshine and even hunted up shade for their noon picnic. Many enjoyed the relaxation after their strenuous morning of judging and the observation of cattle at 11:00 o'clock.

The order of business was read of the last annual meetings minutes and a financial report by the secretary, treasurer. F. W. Reece. The agent gave a report of extension activities during the year with emphasis on the 4-H program, rural youth, soil conservation and the possibilities of E.R.A.

Under new business, election of directors was taken up. At the April board meeting, a nominating committee was chosen and appointed six candidates to fill the various vacancies of the three retiring officers, Mr. Lee, Mr. Reece, and Mr. Hime. Those candidates chosen were: George Pearson, Oyden Anderson for District nine. Ralph Daniels and Howard Tetherow, District seven and eight respectively and Floyd Olson and Jake Stasch of District three. The agent contacted these men to see if they would run as candidates. All men accepted. A post card election was held prior to the annual meeting, netting these results; Mr. Pearson, Howard Tetherow and Loyde Olson were elected for a three year term.

On the speaking platform, W. W. Derrick, extension Animal Husbandryman, talked on Good Management Practices. He suggested more attention be given to early cutting of hay. It would preserve its maximum nutritional value. He sighted next, feeding tests, where an acre of July cut hay produced more pounds of gain than an acre of September cut hay.

Doctor Hansen, Swine Research Specialist, who is also a specialist on nutrition of all livestock, expressed the opinion that in ordering years, there is little likelihood of a deficiency of any of the important vitamins in the normal rations of range cattle.
Tom Turner, Fish and Game Life Service Representative gave a brief outline of coyote control methods now in use. He urged the ranchers to form a county coyote control program and encouraged the use of hired trappers. The agent then offered his assistance to those present to form a county organization and briefly discuss the coyote meeting held earlier in the year. A few prominent ranchers expressed their desire to see a definite control program set up within the county.

From the standpoint of interest displayed and questions asked, during H. E. Alford's talk on the current animal disease situation was on the programs high spots. He advised the testing of cows to determine the reactors to Rabies disease. Where adult vaccinating is to be followed, he stated, vaccinating reactor does not make the cattle safe from transmitting undulant fever to the human family.

Pyron Demarest, Editor of the Omaha Daily Journal Statesman, emphasized the valuable contribution which experimental work within the state has planned in making live stock raising more successful. For the future, he forecast, science will have even more to offer to agriculture and animal husbandry. The farm today, he concluded, is a better place to live than ever before.

E. E. Brouse, Supervisor of the Valentine Experimental Station, reported in their work on wintering range calves with various kinds and amounts of protein supplements to prairie hay.

Following the speaking, the men went into the Valentine Station for the afternoon inspection of the sixteen lots of cattle on various protein supplement rations. Some interesting results were observed.

Since the hour was late when the meeting adjourned, the directors did not convene for the election of officers.

Six board members attended the meeting.

At the April meeting, a budget for the coming year was formulated and increased to $33,775. This was approved for the board with the stipulation that the agent remain within the budget. It was moved to have the executive committee meet with the commissioners when the budget was presented. However, the committee later elected to see the commissioners individually and none showed up when the commissioners met to approve the new budget. It was passed. A copy of Financial Form 10 from the last fiscal year and proposed budget for next year will be included in this section of the report.

There were four monthly board meetings held, one in January, April, May and September, with an average of five board members attending. In order to hold the attendance at a satisfactory turn out, a meeting was spent on planning a meeting so that they could be made more interesting to the members. Letters were then prepared, short and snappy, pointing out the items to be discussed. All meetings were called late in the morning and the board enjoyed a noon Dutch lunch. This did help improve the attendance.

At the January board meeting, there was the usual business highlighted with the Soil Conservation District program. There was a brief discussion on this and all five of the members voted their support for the referendum on the 30th of January. The program of work for the past year and the coming year was presented by the agent. He also read a brief summary of the year's accomplishments and urged the board members to read over the Annual Report. The board then gave him a vote of confidence.
In the September meeting, which was called previously for the purpose of the election of officers for the coming year, Lyle Best was elected President; Howard Tetterow, vice president; and George Pearson, secretary and Treasurer. Five members were present. The agent made a detailed discussion of the extension policies, what it was, how it operated and the duties of the members. All three of the new members were present and were quite impressed with the extension service. The Board adjourned for the noon luncheon and later directed the program planning for the coming year. Suggestions were offered by the Board and other phases of extension work were discussed.

It was necessary to re-organize the U. S. D. A. Council on the 25th. The main purpose was to assist the Veterans Training Officer in the approving of the veterans to the Ranch Training Program applications. Eleven of sixteen veterans applications were approved. The other two were delayed for future reference. As this Council has been fairly inactive the last two or three years and election of the officers was not held until this meeting. Those present elected Frank P. Sizemore, President; and the County Agent, secretary and Treasurer. The National Farm Loan Association; The F. M. A.; The A. A. A.; Production Credit; S. C. S. and the Extension Service constitute the U. S. D. A. Council. Another meeting will be called when enough is accumulated to warrant one. A full report was made to the State U. S. D. A. Council.

A small group of disinterested business men were asked to act as the 1-H Awards Committee and meet in the Extension office to select the County Award winners.

Early in the month a good deal of time was used in prior arrangements for the Ak-Sar-Ben Fat Stock Show held in Omaha.

At the April Board Meeting, the assistant Agent tendered his resignation effective July 1st. This was accepted by the board.

The agent attended the Annual Extension Conference in Lincoln, November 15th to 20th. This was a very interesting conference, one of the best that has been held, yet to date. Some of the highlights of the conference was a discussion of sampling procedures given by Mrs. Sobersky. However, a general opinion can be formed that sampling, after all may not be too accurate a method of determining results desired or the people reached.

Mr. Brokaw, our former director, gave a very interesting talk on "As one Sees it From the Outside." Professor Arndt of the Economics Department, gave a very interesting report on future officials. Mr. C. C. Kellar, County Agent from Missouri, gave a very inspirational talk on County Agent Work.

It was much appreciated to have this opportunity of meeting with the other agents annually and discuss problems and projects. The panel discussions, which were held, were quite successful.

Director Gould gave a very inspiring send off to our counties on Friday afternoon.

HOME DEMONSTRATION WORK

The Home Demonstration work in the county is conducted by the County Agent, County Chairman, and club presidents. No council has organized to date. The County Chairman is elected for a two year term by a vote of all club members.

The Women's Home Extension Club held their annual Achievement Day on May 7th. Sixty-Six persons attended. Although the attendance was not as large as
expected, the program was of high quality and went over on a big way. The program began with Community singing by the County Agent and was followed by an opening address by Mrs. Miss Habel Doernus than gave a very interesting talk on Nutrition with the use of a felt board. She followed it up with a demonstration on the Canning of Vegetable and fruit. This was well received by the homemakers. Mrs. Clarence Kellogg, County Chairman, gave a very interesting report on the County Rural Homemaker which was the position she received last spring. She mentioned the activities of the District and how the County Homemakers received her appointment. Mrs. Henry Jackson then gave a report on the State Council meeting held in Omaha in March.

The Agent conducted the candle lighting recognition service assisted by the County Chairman. The 1947 Presidents were asked to stand in the audience and as they stood each club that was an honor club was given recognition for 1947. The County Chairman then called the 1948 Presidents to the stage and asked for a report on their clubs outside activities which proved to be one of the highlights of the program. The County Chairman was presented with a bouquet of roses and the agent conducted the candle lighting service.

A business meeting was then called for all 1948 presidents. The Agent discussed the program for the coming year and the election of delegates to the State Council meeting in York, June 9th were elected. Mrs. Delia Minshall of Sparks was chosen as first delegate. Mrs. Otis O'Neil as first alternate and Miss Frances Grewe as second alternate. The agent then discussed the need for making application and reservations. Mrs. Minshall gave a report on the State Library meeting which was held the same day and pointed out the need for the use of the rural library through the Home Extension Clubs.

The Agent asked for suggestion as to making a better Home Achievement Day to be held in the fall of 1949. The presidents suggested that the program beginning in the morning, be returned to exhibits of booths with an all day program. The presidents will meet with the County Chairman next year to plan the meeting and it is planned to hold it at Kearney. It was also suggested to hold a fall party sometime in October.

The officers of the extension clubs met on the 22nd of September for the purpose of program planning. Almost a 100% turn out was recorded. The officers decided on the following demonstrations: Laundry Conveniences, Fabrics, Old and New, Insurances. For open meetings they chose: Sewing Machine Attachments, Pressure Sauce Pans, and a Health Institute. Materials for program planning, such as organization and study material, were asked to be turned in following the next meeting. They also planned to have a fall party and are going to have their Achievement Day in the fall of 1949. However, the party will be postponed until spring.

Mrs. Henry Jackson, who is State Council Home Extension Representative from this District, made a trip with Miss Francis Grewe, Mrs. Delia Minshall, and Mrs. Otis O'Neil to the York State Council meeting held June 9th to the 11th. Mrs. Jackson was quite instrumental in conducting the meeting and made out quite an extensive report on the following subjects: Presidents recommendations for next year: 1. To continue study of national problems. 2. United Nations appeal for children; 3. Religious education and spiritual growth. Other problems discussed during the conference were in relation to health; Your Personality is Showing Madam; Committee reports; The new look in family life; Our program of Unesco as observed in Mexico City; Our schools are our job, election of officers, and the discussion of summary panel on what is leadership.
While at the meeting delegates and visitors were taken on tours through the Mothers' Jewel Home and the I.O.O.F. Home. Mrs. Jackson took this time to make a radio transcription. A talent night was also held by different counties.

The panel discussion on leadership proved to be one of the most interesting items on the program. This was followed by the installation of new officers for 1949 by Miss Atwood.

The committee reported that the Mary Ellen Brown Scholarship Fund that a $50 fellowship has been granted for next year. Our delegates who attended were quite enthused after talking and working with and about international problems of food, clothing, and good fellowship toward all.

Mrs. Henry Jackson also attended a quarterly business meeting for the State Home Extension Council in Present. A report on the National Meeting at Tulsa in October was given and a Leaders Recognition Program was discussed. Other business at hand was the sponsoring of a Chinese student, Miss Ping Tsui (Cherry) Huang from Hong Kong, China for a year's training at the College of Agriculture. Mrs. Jackson, who is attending her last meeting as District Representative, was elected for a two year term as Treasurer of the State Council.

Each club contributed to the State Council and each of the Cherry County clubs accepted the challenge to contribute to the international project for 1948. This is for the support of a Chinese student mentioned above. Ten project clubs and two study clubs completed work. Only nine clubs re-organized, however, a new one was formed north of Valentine. Only two study clubs re-organized with a membership of forty. This is an increase of seven clubs in 1945 to twelve clubs for 1948.

Lessons enjoyed by the project clubs this past year were, "Breakfast a Family Affair", "Pictures and Color in the Home". The Home Demonstrations Clubs are as follows:

<table>
<thead>
<tr>
<th>NAME</th>
<th>ADDRESS</th>
<th>MEMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Be Square</td>
<td>Eli</td>
<td>18</td>
</tr>
<tr>
<td>Pres.</td>
<td>Mrs. Chas. Johnson</td>
<td></td>
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<tr>
<td>Vice-President</td>
<td>Mrs. Fred Garner</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Harry Johnson</td>
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</tr>
<tr>
<td>News Rep.</td>
<td>Mrs. Guy Belsky</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sparks Demonstration</td>
<td>Sparks</td>
<td>20</td>
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<tr>
<td>Pres.</td>
<td>Mrs. Clyde Grooms</td>
<td></td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. Harold Hamar</td>
<td></td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Arlo Turner, Mrs. Darrel Foster, respectively</td>
<td></td>
</tr>
<tr>
<td>News Rep.</td>
<td>Mrs. Nelvin Foster</td>
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<td></td>
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<tr>
<td>Pleasant Hour</td>
<td>Valentine</td>
<td>17</td>
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<tr>
<td>Pres.</td>
<td>Mrs. Otis O'Neill</td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. Vern Thomas</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Thomas F. Ham</td>
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<tr>
<td>News Reporter</td>
<td>P. F. Wilson</td>
<td></td>
</tr>
<tr>
<td>NAME</td>
<td>ADDRESS</td>
<td>MEMBERS</td>
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<tr>
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<tr>
<td>Merry Maids</td>
<td>Kilgore</td>
<td>5</td>
</tr>
<tr>
<td>Pres.</td>
<td>Mrs. Jack Galloway</td>
<td></td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. Cholin Sanford</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Ted Galloway</td>
<td></td>
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<tr>
<td>News Rep.</td>
<td>Mrs. Walter Galloway</td>
<td></td>
</tr>
<tr>
<td>Kilgore Hearth and Home</td>
<td>Kilgore</td>
<td>16</td>
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<tr>
<td>Pres.</td>
<td>Miss Frances Grewe</td>
<td></td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. C. Clausen</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Alfa Ross</td>
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<tr>
<td>News Rep.</td>
<td>Mrs. X. Scholtes</td>
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<td>Plainview Project</td>
<td>Kilgore, Neb.</td>
<td>10</td>
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<tr>
<td>Mr. Charles Shults-Pres.</td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. Fred Hinton</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Francis Blahocheck</td>
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<tr>
<td>News Rep.</td>
<td>Fred Hinton</td>
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<td>Merriman Homemakers</td>
<td>Merriman</td>
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<tr>
<td>Pres.</td>
<td>Mrs. Paul Metsgar</td>
<td></td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. Jack Voreland</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Carl Gardiner</td>
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<tr>
<td>Meet your Neighbor</td>
<td>Valentine</td>
<td>13</td>
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<tr>
<td>Pres.</td>
<td>Mrs. Jay Hayford</td>
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<tr>
<td>Vice-Pres.</td>
<td>Mrs. Lloyd Bush</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Walter Fear</td>
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<tr>
<td>News Rep.</td>
<td>Mrs. Morse Sayer</td>
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<tr>
<td>Friends and Neighbors</td>
<td>Merriman</td>
<td>18</td>
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<tr>
<td>Pres.</td>
<td>Mrs. Carould Fairhead</td>
<td></td>
</tr>
<tr>
<td>Vice-Pres.</td>
<td>Mrs. Ray Gardiner</td>
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<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Bill Kelley</td>
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<tr>
<td>News Rep.</td>
<td>Mrs. Lyle Hamesham</td>
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<tr>
<td>Busy Mothers</td>
<td>Valentine</td>
<td>14</td>
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<tr>
<td>Pres.</td>
<td>Mrs. Fred Todd</td>
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</tr>
<tr>
<td>Vice-Pres.</td>
<td>Mrs. Ervy Ashburn</td>
<td></td>
</tr>
<tr>
<td>Secretary</td>
<td>Mrs. John Simons</td>
<td></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Mrs. Fred Kuhl</td>
<td></td>
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<tr>
<td>Pleasant Hour Study Club</td>
<td>Valentine</td>
<td>17</td>
</tr>
<tr>
<td>Pres.</td>
<td>Mrs. Clarence Kellogg</td>
<td></td>
</tr>
<tr>
<td>Vice-Pres.</td>
<td>Mrs. F. E. Eruse</td>
<td></td>
</tr>
<tr>
<td>Sec.-Treas.</td>
<td>Mrs. Raymond Lux</td>
<td></td>
</tr>
<tr>
<td>News Rep.</td>
<td>Mrs. Raymond Lux</td>
<td></td>
</tr>
</tbody>
</table>
**4-H CLUB WORK**

4-H club organization was perhaps the most effective means of promoting extension work in the county. Throughout the year a good deal of time and effort was devoted to promoting this program, after it had gone down hill during the war years. Probably the biggest factor in developing the program was the 4-H Club Exhibits and baby beef sale that has been held in the County Fair the past three years. 4-H club members are learning that they should not expect exorbitant prices for their beves and that we do have a good local sale.

Parents begin to take an active interest in seeing that the youngsters were enrolled in club work and many made personal contacts with the agent, asking to have a club organized in their area.

From the new clubs formed, included were a few old members and leaders from previous clubs, thus giving their organisation a fair basis of minor experience. Many spots that had been rather cold to 4-H club organisation, suddenly warmed up and even came to the front in county activities. Last year there were eighteen clubs with an enrollment of 250 and with a 90% completion. This year the enrollment and the completion was about the same, with perhaps a few less members in club work. However, the number of clubs increased to twenty. During the past year, sixteen old clubs re-organized and four new ones were formed. Two of these average better than twenty-five members. Two hundred and thirty-three boys and girls enrolled in club work, while 211 completed. Such excellent finish up can probably be attributed to the agent meeting with the club at their finish up meetings in the fall. In addition to this help, the agent took particular pains with the leaders in explaining the important of finish up requirements, keeping of good record books, and giving them his assistance at some of their meetings. Of the 233 members enrolled, 196 were active and 37 were associate members.

The majority of the projects were beef cattle, followed by clothing and foods. However, twelve various projects were carried, thus giving a well rounded program. A chart of 4-H club enrollments and completions will be carried elsewhere in this report. The 4-H clubs were as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Leader</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood Lake Culture Club</td>
<td>Wood Lake</td>
<td>28</td>
</tr>
<tr>
<td>Pres.</td>
<td>Mrs. Ada Wilson</td>
<td></td>
</tr>
<tr>
<td>Vice Pres.</td>
<td>Mrs. Ella Reddick</td>
<td></td>
</tr>
<tr>
<td>Sec.-Treas</td>
<td>Mrs. Rose Weeker</td>
<td></td>
</tr>
<tr>
<td>News Rep.</td>
<td>Mrs. May Gaylord</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Leader</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future Ranchers</td>
<td>George Mensinger</td>
<td>5</td>
</tr>
<tr>
<td>Mighty Foresters</td>
<td>Mrs. Dena Buckles</td>
<td>6</td>
</tr>
<tr>
<td>Northside Ramblers</td>
<td>Mrs. Leo Nollott</td>
<td>17</td>
</tr>
<tr>
<td>Kilgore 4-H Baby Beef Club</td>
<td>Mrs. Warren Bross</td>
<td>17</td>
</tr>
<tr>
<td>Stitch in Time</td>
<td>Mrs. Nealah Myers</td>
<td>9</td>
</tr>
<tr>
<td>Kilgore 4-H Stars</td>
<td>Mrs. Wesly Fox</td>
<td>14</td>
</tr>
<tr>
<td>Simeon 4-H Club</td>
<td>Frank Reese</td>
<td>5</td>
</tr>
</tbody>
</table>
NAME                  DEALER                  MEMBERS
Wood Lake Ranger Sewing Club  Dorothy Best  11
Cloverleaf                   Jim Braesher     12
Goose Creek                  Ansel Wragge    9
Sand Hill Ropers             Charles McNary   9
T. O. B. Club                Betty Nollett   10
Busy Bee 4-H                  Mrs. C. D. Reece 13
Sparks Ropers                Charles Kellogg  9
Evergreen Club               Bruce Braesher   8
Forty Four 4-H Club          Henry Schneider  5
Southside 4-H Club           Henry E. Voss, Jr. 29
Lariat Community 4-H Club    Carl Powell      24
Arabian Wranglers            Jack Kryczek     9
Lucky Star                   M. G. Vian       9

Some very interesting tributes were paid to the county in the form of magazine articles in regard to the successful 4-H building campaign which was carried the previous year. The boys' building was received for the most part from the "National County Agent Magazine", which carried the story as their lead issue last April. As a result of these national and state magazine publishing our story, many letters were received asking for further details and one of these agents from Illinois conducted a similar program and built a similar building from the suggestions offered from ours.

For the outstanding work of the previous year on the 4-H club building, the agent wrote a story competing for the outstanding 4-H club project. This was won by Cherry County and along with $50.00 donated by the Consumers Corporation Association.

Five boys and girls were chosen for their outstanding 4-H work to use this money in attending the state 4-H club work week at Lincoln. The successful re-organization and formation of new clubs in the county can be attributed to the desires of the people and the cooperative spirit, to have their youngsters in 4-H club work and competing at our County Fair and at other big shows which will be mentioned in the community life section of this report. The county superintendent and the Valentine Chamber of Commerce have been very cooperative in promoting this youth work. The use of circular letters to organized club leaders and members keeping them posted on county activities and having them take an active part in these activities can also be attributed to the success of the program. Leaders training meetings and the personal calls to witness the projects and attended club meetings have helped in developing a well rounded program.
The County Fair Board is to be congratulated on its fine support of 4-H club work throughout the year. The Agent was present at every meeting to coordinate the Extension work with the success of a Fair Board. The Board is perhaps the most active of any yet elected to this office. Committees were appointed to assist with the extension work at the Fair and they cooperated very successfully. The fair this year was held in August again with the results at the gate even better than in previous years, holding the fair in September.

The Agent was placed in charge of the 4-H activities, which included the 4-H Parades, livestock, and sale. The office assistant was in charge of the 4-H booth and was ably assisted by a group of 4-H women leaders.

At this time, all but five of the old 4-H clubs have been reorganized for next year. It is almost certain that three of these clubs will not re-organize due to the lack of leaders. However it is developing that three or four different communities, yet untouched by 4-H club work, are gaining some interest in starting club work.

A big spring time enrollment campaign will be carried on with the various communities when the opportunity presents itself.

No committee groups were formed, however the 4-H clubs provided a good deal of recreational activity. A County Rural Youth Group was organized with the assistance of Tel Alexander. This group takes in a large portion of the county and due to the sparse population was organized as a county group. They already have held many meetings and have chosen their officers for the year. There are about 15 girls actively engaged in this work, also about the same number of boys, which shows excellent promise of being quite a success.

Early last winter, Mr. L. L. Frisbie and his Assistant, Bill Smith, were in the County to discuss the organization of a County 4-H Committee. Four adults and three 4-H Club members were asked to take part. Five persons did turn out for the meeting, as only seven were invited. There were two very active adult members to this organization, however, whenever a meeting was called, there was not enough to conduct a business meeting. It is rather doubtful whether or not a committee of this sort would ever become active in a county of this size, however, this will be tried again next year with a little different sort of a plan, using more leaders. A committee of three business men cooperated with the Agent in selecting the County Project Award winners in October and this might be a part of a 4-H Committee. Something new will have to be used next year, if this organization is to be a success.

Leaders, Committees, and other Cooperative Agencies.

The County Fair Board should receive due credit for helping promote the Extension Work, one of the most successful in years. Part of this was due probably to the fact that five of the members were 4-H leaders and others were in favor of this youth work.

While there were many new 4-H clubs and leaders they did remarkably well with our club programs as well as, County, State and Interstate events. There was a marked improvement in the quality this year, as the leaders and members were becoming well seasoned after two or three years of experience with 4-H, customs and activities. Demonstrations improved from four at Demonstration Day to thirteen, and this same type of work increased from zero at the State Fair
three, netting the results of a purple ribbon team, which not only won a trip to Chicago but won first place honors in the nation, and two other teams that scored in the red ribbon award group at the State Fair.

The women leaders of the Home Extension Clubs were quite interested in their organization throughout the year. They were largely responsible for helping to create an equal balance between the ranch and home life. For a more complete report of these leaders, refer to the Home Extension Club Work section of this report.

The Federal agencies that the Extension Service cooperated with this year, was the Sand Hill Cattle Association, C. D. A., P. H. A., S. C. S., The U. S. B. A. Council was almost inactive during the year with the exception of October when the Council was reorganized and the officers re-elected. Their main function from now on will be that of dealing with the Veterans' Program.

CROP PRODUCTION

The Pasture and Forage Livestock Program was conducted on a somewhat different basis than in previous years. It was the agents' duty to select or interest some rancher or farmer in carrying out new practices on their place or discovering new practices already in use. The next step then was to publicize the results of new ideas. These persons trying new work on their ranch were personally notified that they were P. F. L. Cooperators and they were requested to take part in District and State P. F. L. Programs. It was planned to use his experience as a short cut in the phase involved for his fellow Agriculturists.

Always in the past a P. F. L. management card was sent out asking cooperators to list some bulletins or new information that they desired for their study. However, this was not done this year but instead, a farmstead improvement program was carried on. Also there was new Livestock Loss or Parasite Control card mailed out. However, it was estimated that over 100,000 head of livestock was treated this year for parasites control.

Station W. L. X. conducted a Farmstead Improvement Contest.

Five cooperators entered. A County Committee met in June and chose Mr. Max H. Schmidt as the County Champion. This was more or less a substitute for the P. F. L. Program.

Some of the outstanding cooperators consisted of a Gordon man, William Roberts, installing a new sprinkler irrigation system for alfalfa; Mr. Vmuys of Hyannis also planned a similar system. Howard Fetherow of Wood Lake, began a feeding experiment of 100 heifers using one grain and protein, thus trying to fatten them for market. Results of this feeding will not be available until next year's report. An unestimated mister of ranchers adopted the post and cable method using 25% emulsion, DDT on burlap for the control of flies. This was very effective, although not recommended by our College of Agriculture. The reason for this is that not too much is known as to the results of an oil base.

No County or District P. F. L. finish up meeting was held. The agents of this district met at Annual Conference time to discuss the possibilities of holding a district meeting, however this never materialized.
In January orders were placed with the Agronomy Department for variety test plots. Oats, barley, grain and 8 sorghums and certified high bred corn were ordered.

A small grain variety test plot was seeded with Dello Winshall of Sparks as cooperat. This plot was planted April 26th. Eight varieties each of barley and oats were planted. A fertilizer application test was then applied, using various fertilizers. At harvest time, July 26th, these plots, as well as the fertilizer plots were harvested. Five rows of each variety were taken as the representative sample and sent into the Agronomy Department for yield tests. The samples threshed and yields were calculated as follows:

- **Oats:** Clinton 36 bu.; Nemaha 36 bu.; Cedar 27 bu.; Osage 44 bu.; Mingo 19 bu.; Brunker 27 bu.; Trojan 21 bu.; Ames No 2 30 bu.; The Brunker oats had lodged very badly. Farmers inspecting the oats on the field crop tour were interested in Clinton, Nemaha, Ames and Osage. The Nemaha and Osage oats appear to be two very excellent varieties as they are relatively early and in the case of Nemaha, the straw appeared stiffer than other varieties and the panicles were compact and stood at a uniform height which would be excellent for a combine oat. There have been a number of farmers inquiring for good seed oats already for next year. The yields were quite a bit better on Osage, Clinton and Nemaha, than on the native summer oats or Brunker which a good many farmers have been planting. It is feared that Clinton may be too late for this county.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield (bu.)</th>
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</thead>
<tbody>
<tr>
<td>Velvon II</td>
<td>42</td>
</tr>
<tr>
<td>Esond</td>
<td>41</td>
</tr>
<tr>
<td>Spartan</td>
<td>30</td>
</tr>
<tr>
<td>Feeber</td>
<td>34</td>
</tr>
<tr>
<td>Plains</td>
<td>33</td>
</tr>
<tr>
<td>C.I. 711B</td>
<td>41</td>
</tr>
<tr>
<td>Beecher</td>
<td>29</td>
</tr>
<tr>
<td>Mars</td>
<td>24</td>
</tr>
</tbody>
</table>

Velvon II appeared to be the outstanding variety followed by Esond. The Velvon II showed considerable leaf rust but out yielded all varieties.

A special campaign was conducted to interest farmers in treating seed grain for smut. A Minnesota Seed Treater was made available without charge and was used on 350 bushel of oats.

Results of the fertilizer demonstration used on barley in the same field as the test plots are as follows:

<table>
<thead>
<tr>
<th>Fertilizer</th>
<th>Yield (bu.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-40-0</td>
<td>32</td>
</tr>
<tr>
<td>h-0-0</td>
<td>42</td>
</tr>
<tr>
<td>40-10-0</td>
<td>32</td>
</tr>
<tr>
<td>60-10-0</td>
<td>39</td>
</tr>
</tbody>
</table>

The results appeared at harvest time when the grain was cut to show that the 6-40-0 would out yield the 0-40-0 by quite a majority, and the 10-40-0 also appeared to out yield the special mix physically. The reason for this was that the heads of the ammonium superphosphate plot seemed to be much thicker, plumper and the height of the barley was much higher than that of any other plot. This fertilizer plot was easy to distinguish from other untreated grain. The results in bushels obtained was rather amazing, which this year showed the ammonium Nitrate or 40-10-0 to be the best type of fertilizer used.
Some fertilizer was used on alfalfa with very little result. This was the 6-0-6-0. This was probably due to the fact that the application was put on too late. The fertilizer placed on the open pollinated corn varied in results, showing a deficiency in phosphorus and the nitrogen. Nothing very spectacular was observed in corn or spring wheat, which was also treated.

A hybrid corn plot was planted on the Art Simons and Sons land northeast of Valentine. Seven certified and experimental hybrids and three open pollinated varieties were included in the testing. Rainbow Flint was also added. All corn was hand planted in three replications, two kernels to a hill at twenty inches apart. The corn was thinned in July to one stock per hill. The corn was planted in lister furrows, the 25th of May on land which was in corn the year before. The corn was harvested November 30th and the husking results did not look too promising. All corn was computed on 4 rows per acre at 42 inch width and 160 rods long. All varieties were computed on a 10% moisture basis, the results are as follows:

<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cargill</td>
<td>25.76</td>
</tr>
<tr>
<td>Funks 0-59</td>
<td>27.23</td>
</tr>
<tr>
<td>Funks 0-6</td>
<td>29.37</td>
</tr>
<tr>
<td>Funks 0-39</td>
<td>23.13</td>
</tr>
<tr>
<td>Funks 0-1-A</td>
<td>27.33</td>
</tr>
<tr>
<td>Funks 0-29</td>
<td>27.69</td>
</tr>
<tr>
<td>Funks 0-14-A</td>
<td>24.69</td>
</tr>
<tr>
<td>Iowa 306</td>
<td>24.59</td>
</tr>
<tr>
<td>Iowa 939</td>
<td>24.47</td>
</tr>
<tr>
<td>Iowa 416</td>
<td>29.30</td>
</tr>
<tr>
<td>Nebraska 501</td>
<td>23.70</td>
</tr>
<tr>
<td>Nebraska 502</td>
<td>25.07</td>
</tr>
<tr>
<td>Nebraska 301</td>
<td>28.03</td>
</tr>
<tr>
<td>Dawes No. 2</td>
<td>25.39</td>
</tr>
<tr>
<td>Open Witte</td>
<td>27.69</td>
</tr>
<tr>
<td>Hinton</td>
<td>25.63</td>
</tr>
<tr>
<td>Monroe</td>
<td>27.28</td>
</tr>
<tr>
<td>Flint</td>
<td>25.56</td>
</tr>
</tbody>
</table>

The Funks 0-6 0-59, and 0-29 appeared to be very interesting varieties. The Nebraska 416 and 301 also was promising. Of the open pollinated, it was a toss up between the Monroe and Witte corn, although the Monroe corn tested much higher in germination percentage last spring and appeared to be the better corn of the two.

On April 28th, 1948, a test plot was applied by a representative of a Commercial Fertilizer Manufacturer, on a hay meadow located on the McKelvie by the Way Ranch, 13 miles south of Valentine. Super phosphate containing 18% P₂O₅ was applied at the rate of 400 pounds per acre. Moisture was good at this time, however, the months of May, June and July were short in rainfall. Three individual square yards were harvested of both the phosphated and non-phosphated areas. Non phosphated averaged 2 1/2 pounds per square yard. The phosphated area averaged 2 3/4 pounds.

The analysis of the samples are as follows:
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Identification</th>
<th>Date of Sample</th>
<th>%205</th>
<th>Ca</th>
<th>Protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>By the Way Ranch (Not Phosphated)</td>
<td>8/1</td>
<td>.34</td>
<td>.80</td>
<td>6.28</td>
</tr>
<tr>
<td>2.</td>
<td>By the Way Ranch (Not Phosphated)</td>
<td>8/1</td>
<td>.27</td>
<td>.99</td>
<td>6.5</td>
</tr>
<tr>
<td>3.</td>
<td>By the Way Ranch (Phosphated)</td>
<td>8/1</td>
<td>.43</td>
<td>.83</td>
<td>7.15</td>
</tr>
<tr>
<td>4.</td>
<td>Nielson Bros. Ranch (Not Phosphated)</td>
<td>8/1</td>
<td>.22</td>
<td>.87</td>
<td>11.15</td>
</tr>
<tr>
<td>6.</td>
<td>Nielson Bros. Ranch (Phosphated)</td>
<td>8/1</td>
<td>.29</td>
<td>.72</td>
<td>8.19</td>
</tr>
</tbody>
</table>
Sixty-three farmers were assisted in obtaining improved varieties of seed. Twenty-three other farmers and ranchers were assisted in obtaining other cereals and grasses for seed. Thirty-four samples were sent in for germination and purity tests. This included the grass and legume families. Eight ranchers and farmers were interested in the use of fertilizer, varying from corn and cereals to grasses. Five soil samples were submitted for analysis. Six stockmen were interested in the measuring of hay in stacks for sale. Ten varieties of seeds and other plants were brought in for identification. Eight farmers were assisted in diseases of various crops.

Mr. Pearcy of Kennedy was assisted in locating grain bins at Pierce. These bins will be used as cattle tanks.

The Agent attended a Crops and Soils Sub-District Conference which proved to be very interesting. Mr. Butler discussed Coyote Control, the use of some chemicals and the Control of Livestock Parasites and Grasshopper Control. The use of chemicals brought out for controlling grasshoppers was Tetrachlorvinphos or Chlorinated Camphene. B. H. C. was also mentioned at one third of a pound of DDT per acre. It was recommended to first control the grasshoppers in breeding and hatching areas in the fence rows or bordering the field. Chloradene was also recommended for this control.

Mr. R. A. Olsen then discussed commercial fertilizers, their relative values, availability and how they were adapted and applied to various crops. Noting was learned on native grass except that the protein and phosphorus content was higher in grasses treated with recommended fertilizers and that the growth of the grass was somewhat increased over the grass not treated by treble superphosphate and Ammonium Nitrate. However, it was found that the cost of fertilizer applications was not enough differences in the experiments tried to warrant their use economically. He then discussed the various formulas and showed what fertilizer experiments were available for the various crops. The Agent then placed the order for the fertilizer experiments. A new interesting fertilizer bulletin was distributed and is now available for the public.

Mr. Griss then discussed Sweet Clover test plots and the corn estimate chart. He stated that Sweet Clover seed should be harvested when 60% of the pods are brown or black. The legume should be cut before 8:00A.M. in the morning and best results have been obtained by windrow and using a pickup combine. He recommended Martin Sorghum for an adapted combine variety. Midland has good yield but the soft seed is not conducive to a good stand.

Another interesting speaker at the conference talked on the control of smut and Punt and other small grain diseases. The Agent discussed with him some publicity work that could be carried on to interest some more farmers in treating seed. The following was suggested:

**DISEASE CONTROL**

1. Contact elevators, drug stores, banks, etc.
2. County seed treaters.
3. Statisticas — local and state
4. Use of pictures (loss harvest and posters)

Five farmers brought in seed for certification.

The Assistant Agent attended the second Annual Nebraska Seed Conference and Chemical and Equipment show held at the State Fair grounds. The display
of equipment and chemicals prepared by nearly 50 exhibitors in the h-7 building was visited by approximately 1000 persons.

The program on weed control was interesting and well attended. Results with low volume application was given as one of the latest developments in weed control. The importance of making the general public "weed conscious" was stressed. The county Superintendent told what was being done in the rural schools to acquaint pupils with weeds and weed control.

Glenn Vehmeyer warned users of 2,4-D not to take too much for granted. There are a lot of things we don't know about it yet, he said.

Noel S. Hanson said that although 2,4-D had given good weed control in corn fields it should not replace cultivation.

The Agent attended the Western Organized Agriculture at Gordon and was present to hear Jess Livingston discuss small grain varieties, diseases, and seed treatment. Many farmers from the western end of the county attended this meeting.

A representative of a commercial fertiliser Co. put out a demonstration plot using Ammonium Nitrate on alfalfa at the Howard Colburn farm north of Valentine.

At the Annual Feeders Day in May, B. S. Derrick discussed good management practices and suggested more attention be given to the early cutting of hay in order to preserve its maximum nutritional value. He cited recent feeding tests where an acre of July cut hay produced more pounds of gain than an acre of August or September cut hay. Also in these tests where a pound of gain could be obtained feeding July cut hay with little protein fed then August and September cut bales required additional protein. That is, the later the cutting of the hay, the more protein was required per-pound.

The subject of weed control was perhaps one of the most interesting subjects to many of the farmers all over the country including this county. Several farmers were interested in applications and knowledge of the use of 2,4-D on their crops this coming summer. Particularly in small grain and corn.

Some of the local implement dealers are stocking special weed sprayers while some farmers are building their own. Tom Arnold of Nelsen sprayed his crop of flax with a new type of sprayer, partly homemade and the centrifugal pump being purchased.

Perhaps next year when some of the ground work of the weed control using 2,4-D has been proven practical a weed control district might develop.

On Thursday afternoon, July 8th, a Fertiliser Field Crop Tour Day was held near the Leo Rollette farm northeast of Valentine and at the Dello Minahall farm southeast of Sparks.

As this was a busy season the crowd was not exceptionally large. However, those who were present at the demonstration witnessed the hybrid corn plot, the outstate testing barley and oat plots and the effect of using nitrogen on spring wheat.
At the Winshall farm the Extension Service oat and barley test plots showed up very nicely. It was found that the Riesana and Clinton Oats showed to be quite superior to other varieties. Victoria Blight and stem rust was noted in the Osage and Cedar. In the barley plot Velvon II appeared the best adapted to this area, however, the plains and Feeler appeared to show excellent promise.

Fertilizer results on the small grain indicated that nitrogen along gave good results, however, the nitrogen and phosphorus combination seemed to be by far the best yet found for this area.

The Agent was quite well pleased to have these Agronomy people in the county to see the condition of our crops on the North end of the Table.

During the year the Agent visited a good many of the Sandhill meadows to note the methods of hay production, the quality and the quantity being put up this year. They hay seems to be running a little short from last year and in some places a little below normal hay production. But the carry over from last year should see the cattle through the winter quite satisfactorily.

Mr. Smith, of the State Weed Control Board, paid a visit to discuss the possibilities of the organization of a weed district. Due to the small number that are interested at the present, it is doubtful as to whether a weed district can be formed.

LIVESTOCK PRODUCTION

In a County in which cattle industry is the main source of income it is usually possible to give a lot along those lines. Therefore, a good deal of the work has dealt with the cattle to a large majority, while hogs, sheep and poultry have also received some attention.

At the October Sub-District Conference in 1947, Mr. E. D. Fouts of the Agricultural College suggested the idea of a Calf Weaning Project, the results of which can be worked out in the fall. This was taken up with some interest. During the rural calls, the Agent tried to locate available scales for this project. The idea was to have ranchers who have scales available, get in their calves a month to six weeks in advance of the regular weaning time and those that are taken from the cow could be placed on a grain ration, probably two pounds of oats as a starter for the first two weeks and then a change to one pound of protein for the second two weeks. The Agent had in mind of getting five or six ranchers in the County that were close to scales and to this project. Figuring that the ranchers planned to deliver cattle about the 20th of October, it would be desirable to have them wean the calves a month earlier, weigh them and feed them on the above mentioned grain ration. If enough ranchers were interested, it could be held when the calves are weighed the last time and see if it does any good to feed after weaning. The idea of the project it is believed that the calves will make a profitable gain instead of the initial loss after taking off the cow and delivering them to the feeder. The calves would be already initiated to accepting grain and would start eating right away for the feeder. This would save the feeder some time and money besides being profitable for the rancher to place heavier calves in a better condition on the market.

The Agent while talking to the Superintendent of the Experimental Station accidentally discovered some results similar to the project in mind. It seems
this year, the station calves were weighed right off the cows at the Linscott
loading station east of Dunning, and averaged 159 pounds. At Valentine they were
fed a ration similar to the one heretofore mentioned. They even showed a gain
after the first 5 days and even at the end of the month, which was the regular
time to weight the calves for the particular experiments just beginning, the calves
averaged 180 pounds, an average gain of 61 pounds for the month for 175 calves.

The results obtained thus far are interesting as the calves so far have shown a
good gain for a small amount of grain and are in a much better condition to ship.

Even though the Agent tried to interest just a few cooperators, those who
were interested, did not have scales but were planning to do so when ever they
could get scales installed reasonably enough. Scales were the main draw back in
this county as well as an available amount of oats. However, it is hoped that this project can be revived again next year.

January 6th, the Agent assisted the local hatchery men and Mrs. Ralph
Benton, the Extension Poultry man, in check testing the Minshall and Colburn farm
flocks for Pullorum. One reactor was discovered at the Colburn farm which had
previously been tested. On the 7th, colored pictures on poultry diseases, culling
and proper sanitation. Emphasis was placed upon the culling of non-productive
hens and pullets as well as on the cockerals, in order to conserve grain and
made the poultry income more profitable for the flock owners.

Mr. Benton also had some small model summer shelter sheds, roosting and
feeding racks, and some interesting charts on poultry production and diseases.
This was one of the best annual meetings as Mr. Benton was very thorough and
handled the meeting exceptionally well so that flock owners understood more of
the phases important to poultry raisers.

There were a few poultry producers who had various problems over the year.
Two had ration questions and six were troubled with poultry diseases. These
diseases were an extremely enlarged chicken liver, coccidiosis, pullorum, and
chicken cholera.

One some of the rural calls, suggestions were offered in the line of poultry
management and mainly for the development of some sort of sanitation. The wired
roosting racks and feeding racks were suggested along with some sort of a balanced
ration. Two or three different places lost young chicks last spring due to
cholera and one had a minor case of Newcastle.

The second Annual Hereford Tour was planned on May 15th with the Board of
Directors of the Northwest Nebraska Hereford Breeders Association, Bill Derrick,
Extension Animal Husbandryman and the agent. The dates for the tour were August
23rd, 24th, and 25th and were to cover an area from south of Valentine, over to
the West side of the State and wind up at Harrison, Nebraska. The route was on
Highway 20 west of Valentine.

It was previously hoped that there would be at least 250 people who would
plan to take in the tour and a great deal of publicity was given through State,
Interstate, and local papers, along with some radio publicity and magazines.

Beginning August 21st Bill Derrick and the Agent made final arrangements in
laying the plans for the Tour. A. P. A. system was obtained and mounted on a
car as well as a man to assist in the operation of the same. Early in the morning
of August 23rd, the Agent had charge of the line-up of the cars, traffic problems
and the assisting of Mr. Derrick. Well over 100 cars were assembled at the junct-
on six miles east of Valentine and the caravan left on schedule for the Drybread
ranch, just prior to visiting By the Way Ranch before dinner. At each place the Pure Bred Breeder was introduced and was asked to tell the crowd of his aires and the story of his cattle. About 30 minutes were spent on each ranch. It was interesting to note that the crowd was quite interested in the high quality of the cattle in the region and many remarked that it appeared that the best cattle were in Cherry County. The County Agent and his office assistant were in charge of the difficult problem of registering 450 people. However, with a little help it went fairly nicely. It was noted that over 450 people past through the chow line at By the Way Ranch for fried chicken dinner and watermelon served by the local women. Prior to the noon meal Mr. McKelvie discussed his cattle and a hearty welcome to the people attending the Tour. That afternoon stops were made at Leo Cronins, Alf Ross, Lloyd Olsen, Jack Stotts, Mrs. Bowering, and the last stop for the day was Ed Pelaky’s, where people said they saw two of the finest bulls on the Tour. An evening picnic was served by the Gordon Chamber of Commerce. Due to the County Fair which was held toward the tail end of the week, the Agent was not able to continue through the Tour. An evening picnic was served by the Gordon Chamber of Commerce. It was reported that some fine cattle were seen in the other counties included in the Tour but the crowd was not quite as large as it had been in Cherry County. Many people past through here on their return East and South to get a better individual look at some of the better Purebred cattle which were raised in this county. Persons from over 7 states took in the Tour with nearly 135 cars. This was quite a long convoy but the journey was made with only one or two minor mishaps. The traffic problem was handled by State Road Patrolman.

Although a large majority of the crowd was from states surrounding Nebraska, quite a few local ranchers made the Tour in Cherry County and some very interesting contacts were made.

Many visitors received invitations to other ranches whenever they were back in the County looking for Purebred cattle and also for some good grade feeders.

This was without a doubt, the outstanding livestock activity for the year, as Cherry County received much publicity and had the opportunity to prove to visitors that this was the outstanding cattle domain that is receiving more attention and publicity of buyers looking for good quality livestock. Mr. Derrick and the Hereford Breeders of this Association are to be complimented on producing such a fine Tour.

A splendid livestock clinic was held at Merriman February 26th. A spraying demonstration in which 32 interested ranchers attended was held at the J. Cole ranch at 10:30 in the morning. Mr. Cole had a very nice set up in that he had a dipping vat filled with B.D.T. solution and when the animals come up out of the vat they were sprayed over the backs with Rotenore solution. At the afternoon meeting 48 persons attended which was quite a large crowd for Merriman considering that was the same day that the Weekly Gordon Sale is held. Dr. Alford was the first speaker of the afternoon and his topics were vaccines and vaccination for Hemmorhagic, pink-eye, and Bangs. He stated that there was still too much unknown about the vaccine for Hemmorhagic. There is much work to be done to isolate the Virus. He stated that if the ranchers were using vaccine for pink-eye that “they were being sold down the river.” It is not known yet what causes ping eye so how could a vaccine be developed. It is still in a research stage. His second topic was the relation of animal diseases to human health. The diseases discussed were Toulnerium from rabbits Triconinosis contracted through fresh pork, tapeworm, rabies, bange disease related to Undulant Fever.
Ferd Derrick discussed management and feeding practices. He emphasized the importance first of balanced diet in humans as to the need for a balanced diet for livestock. He pointed out that urinary Calculi and water belly is a Vitamin A deficiency.

Good green cut alfalfa was a good Vitamin A, feed and could be used as a preventative for this disease. Since alfalfa is a minor crop in the cattle country he suggests good green cut hay at July or early August would help meet requirements. He then discussed the experimental results of cutting hay at various stages of growth. In the early cutting, June and July, quantity was less but quality was higher. The results showed that feeding a pound of soy bean Oil Meal produces only .4 pound per day when fed with September cuttings which helped prove to the ranchers that more protein is needed for later cut hay.

Mr. Jack Lomax discussed the control of livestock parasites e.g. lice, grubs, and flies. Various solutions of D. R. T. Rotenone and sulfur were brought out. He briefly mentioned the new chemicals on the market and warned ranchers that R. H. C. was recommended only for the control of Hog Range.

Following the meeting, the Kerrvian Project Club women served refreshments donated by the local Chamber of Commerce and many questions were answered. It was quite a successful meeting judging from the results obtained the the response of the questions and answers portion of the program.

On March 13th, a district H-H Livestock Conservation Day was held in Ainsworth. Cherry County had three demonstration teams compete for awards. All were on Grub Control. A set of twins, Berle and Merle Mercer, who live just a few miles within the Southern Cherry County line North of Thedford won the only blue award given, as it was of high quality in demonstrational work. Although these boys belong to a combination Cherry-Thomas County H-H club they represented Cherry County. This demonstration team shows excellent promise for competition at the State Fair next fall. The boys are 20 and have been in H-H club work for four years. Mr. Frisbie, H-H State Club Leader and Mr. L. C. Ranson, the judge of the affair, stated that this was one of the best demonstration teams they had seen at the six different district Conservation Days held in the State.

Carroll and Don Peterson of the Kilpore H-H Stars gave a fine demonstration on Grub Control and received a white award.

Richard Conrad and Bill Thayer of the Wood Lake Rangers H-H Club received Honorable mention and were promised by the judges for their courage. This team was the youngest of the three competing from Cherry County.

At the Annual Feeders Day, the 16 lots of Experimental Cattle were shown at 11:00 A.M. and 3:30 P.M. Calves wintered on prairie hay without a supplement weighed only a few pounds more than they did last November. Adding one pound of protein supplement increased the gain to around 100 pounds. Supplying phosphorus resulted in an additional 50 pound gain. Use of Urea as a substitute for part of the protein in the cattle ration attracted much interest. As Dr. L. E. Hanson pointed out, there just isn't enough protein feed to properly balance rations for all the farm animals in the country if the supply can be stretched by using some urea for cattle more protein will be made available for other livestock.

Calves fed Urea mixed with corn and monocalcium phosphate or with dehydrated alfalfa and phosphate made gains comparable with feeding one pound of soybean
oil meal and phosphate. The lot receiving two pounds per head of a dehydrated alfalfa pellet containing 2.7% monocalcium phosphate showed the best coat of hair and good gain. The stockmen were impressed by appearance of the lots fed the dehydrated alfalfa.

Following the 11:00 session with the experimental cattle a noon picnic was held on the Experimental Station lawn. As in the past, the Feeders Day was held in conjunction with the Annual Extension Meeting. The afternoon session began in the new L-9 building at the Fair Grounds adjoining the Experimental Station. Doctor J. W. Alford gave a talk on the current animal disease situation which seemed to be on the programs high spots. He advised the testing of cows to determine the reactors to Bangs disease where adult vaccinating is to be followed. Vaccinating a reactor does not make her safe from transmitting undulant fever to the human family he pointed out. So many questions were asked of Doctor Alford following his talk in regard to disease that the chairman of the meeting asked that further questions be delayed and for individuals to see Dr. Alford at the close of the meeting.

Doctor Hanson of the Agricultural College, Research Department, explained the new urea supplement being fed the experimental rations at the Sub-Station. He stated that urea is an inorganic form of nitrogen which can be used by ruminants. This might be a cheaper source of nitrogen than vegetable protein. Doctor Hanson also explained the opinion that in ordinary years there is little likelihood of a deficiency of any of the important vitamins in normal rations of range cattle.

Talking on good management practices, Bill Derrick suggested more attention be given to early cutting of hay in order to preserve its maximum nutritional value. He said, July cut hay proved to be higher in protein and phosphorus than hay cut in August or September. The record protein and phosphorus content of hays from three cuttings decreased as the maturity of the grass component of the hays increased. The hays with the higher protein content produced greater gains in body weight when feed with or without supplement to wintering calves.

Byron Demarest, Editor of the "Omaha Daily Journal Statesman" invited the emphasis on the valuable contributions for which Experimental and Extension Park within the state has played in making livestock raising more successful. For the future he forecast, science will have even more to offer to Agriculture and Animal Husbandry. The farm today he concluded is a better place to live than ever before.

E. V. Brouse, Sub-Station Superintendent, reported in their work on wintering range calves with various kinds and amounts of protein supplements to prairie hay.

Following the speech the persons who had not witnessed the Experimental Cattle in the morning session were then invited to inspect the 16 lots of cattle on Experimental ration.

Knowing that the Sandhill Cattle Association is an offspring of the Extension Service the Agent cooperated with the Secretary Manager of the Association in urging people from this County of the trade area to attend the Convention discussing the beef outlook, livestock diseases and markets. The following is a brief summary of the program.
The Ninth Annual Convention of the Sandhills Cattle Association was held at Valentine, Nebraska on May 21 and 22. Attendance was the largest ever. The question of consuming interest now among range producers and cattle feeders is the outlook as to supplies of all kinds of meat, and probable price trends. The program, "A Beef Clinic", was designed to develop basic and essential facts regarding this.

Speakers came from the more important branches of the industry, and the conclusions were remarkably uniform in predicting a limited supply of most kinds of meat compared with the demand. The first speaker was Mr. Tom Glass, associate to Mr. F. E. Simpston in the Agricultural Research Department of Swift and Co., Chicago. Mr. Simpston was unable to attend. Mr. Glass was followed by Charles Burmeister of the Livestock Branch, Production and Marketing Administration, U. S. Department of Agriculture, Washington, D. C. They were in close agreement on "The Beef Outlook" domestically and world-wide.

It was the view of Mr. Burmeister that "The decrease in meat supplies this year from a year earlier is expected to be most marked in the last quarter of the year when about half the 1948 spring pig crop will be ready for slaughter.

"Meat consumption per capita last year was slightly more than 153 pounds and was the largest since 1908. Because of the smaller supplies available and the increase in population it is expected to be about 12 pounds less this year. It will probably be even smaller in 1949, as a result of further growth in population and a probable decrease in slaughter of all classes of livestock."

The foregoing facts were substantiated and enlarged upon by Don Cunningham, Secretary of the Sioux City Livestock Exchange; Prof. Wm. Loeillet, Chairman of the Department of Animal Husbandry, University of Nebraska; and Howard Ornamlich, General Livestock Agent for the Chicago and Northwestern Railway, Speaking as Assistant Executive Secretary of the American National Livestock Association, Denver, Mr. Ray Hall gave a current report on the foot and mouth situation in Mexico and the extensive efforts the United States has been giving in helping to bring it under control. He was followed by Mr. Paul Frigene, Associate Editor of the "Farm Journal", Philadelphia, who on two recent occasions traveled through the stricken area. It was his conclusion that the situation was an impossible one from the beginning, due to the mountainous and primitive nature of the country, and the lack of education or understanding of the problem by the people with whom we had to deal. So perforce and necessity the slaughter program was abandoned. Finally quarantine lines were established at the borders of the infested areas, but these are far from adequate. Presently the disease is about 300 miles south of the United States Border. Efforts are being made to develop more efficacious medical and sanitary controls.

Ralph Baker, speaking for the ranchers, pointed out that the decline in beef cattle numbers has not been as great here as in some other regions. The feed supply of grass and hay have been fully normal, yet it is difficult to find grazing lands for those whose herds have increased beyond their own pastures.

Mr. T. E. Strain, President of the Continental National Bank, Lincoln, speaking of prices and credit outlook emphasized that "we are living in an age of manipulated economy. However, we must not lost sight of the fact that even the most clever manipulation cannot ignore fundamental supply and demand principles. The most progressive economist has never been able to change the old law of supply and demand."
With all time high employment and wages "accounts receivable with retail stores have increased from 100% to 500% with long lists of delinquencies.

Dr. E. E. Anderson, State Veterinarian, Lincoln, advised ranchers of the increasing difficulties of getting breeding stock into other states due to prohibitions against animals that have not been officially vaccinated. He urges that ranchers take advantage of Nebraska's willingness to cooperate fully in effecting calfhood vaccination, in which the Extension Service is cooperating whole heartily.

The Association planned to hold an Annual fall Feeder Sale on October 11th in which 4-H club Stocker Feeder members are asked to participate in show of their own. However, this never materialized.

A full week was spent at the Ak-Sar-Ben Fat Stock Show in Omaha. Nine head were exhibited and the group netted 15 ribbons. Two highlights of this group's accomplishments was winning the Grand Championship in the County Group of 5 and Charles Drybread won the purple ribbon award on this Hereford Steer.

The peak of the Show for the county came late Wednesday evening when they entered with 5 top quality calves in the County Hereford group of 5. Competition was keen as they won the top blue and purple awards in which approximately 40 Grand Champion baby beeves competed. Officially, it was said that this is the 2nd time in 21 years that Nebraska has won this group of 5 steer championship.

Members who showed in this group was Judy Syllens, Gene Stasch, Charles Drybread, Janet Sullens, Gene Drybread, Lila Drybread was the group showman. This, in itself was quite an honor to the 4-H members, as well as, Cherry County which was one way of proving that we have the World's Best Cattle, and that they can be raised and fattened in Cherry County.

In the heavy weight division, weights 1075 and 1295 in which there were 75 entries Gene Stasch, Janet and Judy Sullens placed in the blue award group, while Gene Drybread of Valentine won a blue award and was a candidate for a purple ribbon which he later won the purple ribbon competition. He also competed for the breed Grand Championship steer, while Gene Stasch won another red award on his 2nd Hereford steer in the light weight division.

In a class of over 200 calves in Hereford Showmanship, Gene Stasch placed 5th and Gene Drybread 9th.

Everyone who was at Ak-Sar-Ben said this was the toughest year yet for competition. Cattle were of much higher quality and competition was very keen, as 1700 calves competed from four states.

The Agent has cooperated with the Northwest Hereford Breeders Association during the year with their spring and fall Show and Sale. At the spring event, a 4-H contest (judging) was conducted in conjunction with the Show. The Breeders offered prize money and the Extension Service gave ribbons. There 132 people gathered to witness a type demonstration given by K. C. Fouts, Extension Animal husbandryman, with the Agent assisting. He had a discussion of the parts of the animal and an identification from the 4-Hers. Mr. Derrick showed them the good and bad points of an animal, with the objective in mind of demonstrating a good type for selection. Mr. Derrick held the interest of all persons. Many adults secretly judged, then asked the agent for results. It turned out to be quite an
activity for both young and old. Some older persons admitted they learned more than the 4-H ers. One of a possible 200 points, Lila Drybread scored 198. Janet Anderson was second with 191 points. This was quite difficult for the boys to choke down, the first and second place judges, which was won by the two girls.

Although this 4-H judging contest was quite successful, it is a difficult thing to concet as the breeders must show their cattle first for placing, while the boys and girls must wait for the classes to be selected. Also, the results of the 4-H judging might disagree with the official placing and cause some buyer to be influenced. This is not too desirable. Therefore judging contests in the county will probably have to be conducted at some purebred Breeders when the bulls are not for sale.

At the Breeders annual banquet, Mr. Derrick spoke to 112 people on the good management and accomplishments of the Breeders in the past. The agent briefly discussed the Banga disease control program and the results of the 4-H judging contest. The Chamber of Commerce were guests of the Hereford Breeders and Milbur Drybread was presented with the Marion Hotel Trophy. Tex Cramin was presented a comic bull for his effort in the showing.

Averaging the season as a whole, this was about a normal year for grass, the stockmen said. Hay production was about normal most places to running short in a few places. The fall was exceptionally long and at this writing no snow of any consequences is troubling the cattle men. While the rest of the state remains snow bound, Cherry County is almost completely free of snow, however, when warnings of the first November blizzard on the 19th worried stockmen considerably as a good many cattle were still scattered around on the summer range. After this scare, ranchers brought their cattle into their winter feeding grounds or in closer to the home range for future precautions. A good many are taking advantage of the current price of protein feeds at $87.00 per hundred, which is very reasonable comparing to last year's cost of $114.00. Although it is very dry, the stockmen generally agree that they will take their moisture in fall fall, therefore they dread the first heavy snow. Last year both cows and calves ran on the range practically all winter as it was quite a mild one in comparison to years gone by.

Four meetings, the subject of insect pest control with D. D. T. was discussed. Considerable publicity was carried by news items and four demonstrations were conducted. There were 112 interested parties attending the demonstrations. At the J. Cole ranch there were 32 ranchers interested in grub control in cattle. Mr. Cole had a very nice set up in that he had a dipping vat filled with D. D. T. solution and when the animals came up with, they were sprayed over the backs with rotenone solution. A follow up discussion brought forth many questions from the ranchers in regard to the grub control spraying.

At the County Fair, the Mercer Twins from Thedford, conducted an excellent 4-H grub control demonstration and won a blue award. They were considered by the judge as almost professionals and this later proved to be true. The Mercer Twins activities will be found in the 4-H club section in the latter part of this report.

There are now two commercial spraying agencies in Valentine and the supply of sprayers has been more available this year. The agencies have been almost able to meet the demands of the ranchers and now many of the ranchers own power spraying equipment. The sprayers vary from skid-type to trailer type with power take off operating from 400 to 600 pounds pressure. There are quite a few community owned sprayers.
Thirteen ranchers were given assistance in the location and information on the using and the cost of power sprayer equipment. The use of spraying equipment seems to now be taking a hold as an operational part of the ranch. Usually there are three or four ranchers who pool their resources for a community sprayer aformentioned. Usually the labor situation is somewhat solved, and the livestock parasites are receiving due attention.

While the results are not completely available a good many H-W livestock teams presenting lice, grub and fly control demonstrations to a good many people at H-W meetings. The Agent was present at some of these meetings to assist with H-W demonstrations and naturally was flooded with questions every time a livestock parasite control demonstration was presented.

Some of the new chemicals for parasite control caused ranchers to ask advice of the Agent before their use. Some of these chemicals were benzene, hexachloride, chlorinated camphene, chlordane, and rotenone, also the post and cable method for applying B. P. T. for fly control. The Agent had to stick by the recommendations of the Experimental Station at the College of Agriculture, however some ranchers used the B.H.C. for the control of lice on cattle and many of them adopted the post cable method of B. P. T. although it was not recommended to them, due to certain precautions which must be observed in the handling of chemicals and their results on the meat industry. Some definite work must be done on these chemicals showing results so that the Agent has more concrete evidence to present in arguments pro and con in the use of these chemicals.

There were three other meetings during the year which discussed parasite control. One was at the livestock clinic at Merriman and the other was at the Coyote Control Meeting held in Valentine. Since there has been no practicing veterinarian in the County for a number of years, the County Agent is called upon to furnish information and offers only emergency service.

No vaccinations have been done but a number of cattle have been given intravenous and subcutaneous injections for various diseases. Several stock growers called at the office for information or assistance with disease problems. Thirty-eight dealt with beef cattle; two with dairy; 11 with swine; and 6 with poultry.

Forty-two ranchers requested information on cattle feeds and feeding of rations. Five requested information on hog rations, two on dairy rations and one with poultry. The diseases which were most predominant during the year were Bangs, hemorrhagic, urinary calculi, water belly, mastitis, calf scours, milk fever, parasite control, pinkeye, inencephalomalacia, foot rot, scabbers, scours, marts, cancor eye, ringworm, dandruff, T.B., and two or three unknown diseases dealt with coccidiosis, pullorum, cholera, Newcastle, and an enlarged chicken liver was submitted for analysis. In hogs, lung worm, abortion, cholera, and erysipelas prevailed. Six blood samples were submitted for analysis of Bangs. A set of hog viscera consisting of the lungs, liver, heart and kidneys, which were covered with yellow green spots were submitted for analysis of disease.

Iyle Pest of Norfolk who creep fed cattle last year took on a hog feeding project this year. He was interested in learning the physical content of a horse carcass. It was possible for him to get horses rather reasonably and he wondered which would be the best in protein content, fresh meat or tallow. From the information gathered, he determined that he could save a great deal of grain, as a pound of fresh meat was equal to 2½ pounds of corn in protein.

Mr. L. C. Deal of Kennedy tried a new foot rot remedy of sodium sulfameresine.
given intravenously and reported excellent results in much shorter time required for curing the disease.

One rancher north of Mullen requested the Agent to get a veterinarian at Broken Bow by wire, and requested him to give service to this rancher.

The ranchers now would accept a good veterinarian that would be interested, as they have relatively better roads, which would cut the cost of service down and perhaps prevent disease and save more cattle than was formerly possible.

A few farmers tried using the sodium fluoride treatment for worming of pigs, this past year.

The Bangs disease control received a good deal of attention this year as ranchers are beginning to see more value of calfhood vaccination right along with black leg and hemorrhagic.

Doctor Alford, Extension Animal pathologist, gave a very interesting talk on disease of the animal in relation to the human.

At various meetings the Agent managed to get in a plug for the Bangs Disease Program. Doctor Anderson, State Veterinarian, gave an interesting talk on the program at the Annual Sandhills Cattle Association Meeting.

Calfhood vaccinations for Bangs Disease and other diseases have been advocated by news items, personal interviews and meetings.

While there is a small poultry flock on most farmers and ranchers places, the operators do not give the flock much concern. Too, poultry raisers brought in their problems of disease to this office for diagnosis. Most of the poultry problems are due to the feeding and Management Practices. Two poultry meetings were held during the year. Poultry producers are beginning to see the value or the practicability of good poultry management if it is to be a paying proposition, instead of just the usual group of chicks raised for consumption and a few eggs.

The Agent created a little interest in 4-H clubs as three poultry members were enrolled and two county medals were received for that project.

Although there was no quality cream meeting held this year the Agent advocated the use of good quality dairy products in two different meetings.

Throughout the year the Agent has worked in cooperation with the Northwest Nebraska Hereford Breeders Association in the promotion of better-quality livestock. On a number of farm visits, the Agent has observed some of the best pure breeds in the United States. This can be backed by the records that the Hereford Breeders have achieved in the various pure breed shows over the country. The Agent attended many of these promoting good will for the industry of better cattle. Nothing is more satisfying that one can see, than the animal approach perfection and be judged as Grand Champion.

Competition was rougher this fall than it has been in many years, but Cherry County always was near the top or at the tip in all of these shows.

The Agent assisted the Angus Breeders with their State Show and Sale held here in Valentine. He gave a talk on the County and its management of livestock.
The Breeders seemed to appreciate the assistance given by the Agent in conducting their show and program, while they were visitors in the county. Mr. J. Cole, of Herriman, is the Show Manager.

CONSERVATION OF NATURAL RESOURCES

Even though there is less than 5% of the land in the County under cultivation, it is this year developing toward the formation of a Soil Conservation District. The interest reached a fever pitch in the months of December of 1947 and January or 1948. Although the range area in general is being managed under good conservation practices, it still offers a great challenge to the ranchers. There are still too many pastures that are over grazed, although they are becoming fewer each year. Last spring was somewhat dry and windy which opened some "white caps", snow, but the heavy June rains and continued moisture in July helped to form a protective covering over a good many of the sand plots opened up by the spring winds. In the farming area, strip cropping and tree plantings were practiced on most farms. A few fields were contoured and one or two terraced this season for the first time along the west edge of the County. Little summer tillage is practiced in wheat farming. Mr. William Roberts on the west edge of the County installed a sprinkler irrigation system which was the first one of its kind in the county and will be used for irrigating alfalfa and spring cereal crops.

Clarke-McClary Shelter Belts were a major project again this year. The mechanical tree planter, which the County Commissioners purchased for the County and was repaid this year through the rental fees, was put to good use. A good many thousand trees were planted with it this year. There were three demonstrations on the use of the planter.

Another tree planter was secured from the Halsey Forest Reserve in order to speed up the planting of the trees. Many of those who used the tree planter are either going to build their own for their community and are making plans for large tree plantings for wind breaks next year. By the end of the month most all trees were planted and were doing nicely. This in itself was quite an improvement in beautification as well as effective wind breaks started for livestock and farm buildings wind breaks.

On April 23rd 4-H leaders, news reporters and secretaries were called together for the purpose of planting the Ak-Jreneen trees awarded to Achievement clubs of last year. Twenty persons gathered to plant the trees and agreed to take care of them throughout the beginning and growing season. The Agents plan to fence in the trees which were planted just west of the new 4-H building. The trees were deeply ringed in July to afford fire protection and provide receptacles for moisture. They were watered heavily in August and at County Fair Time. These will be given care each year in hopes of providing a grove. It was discovered at the end of the month that the new 4-H forestry program did not allow the usual 25 trees per member. This was quite a disappointment to club leaders who had planned for the use of these trees in their forestry project. However, the leaders were able to secure trees from nurseries and other sources.

The Agent carried out several pruning demonstrations to small groups in an effort to improve the life of the trees.

This year the Clarke-McClary Wind Break Program was emphasized in an effort to
break the former goal achieved in 1945 of 81,850 trees and to get the ranchers to plant more trees. This goal was far surpassed as is later noted in this section of the report. The tree planting campaign was given publicity in the local papers within the county and in the state papers. These articles were centered around encouraging the ranchers and farmers to order their trees early so that they would be assured of spring delivery. Order blanks were carried in the agents car, and at various meetings and farm visits the agent discussed the tree program encouraging more wind breaks in the County. The availability of the county tree planter was publicized and they were 30 persons who made application for its use. This additional emphasis on the wind break program paid large dividends as more trees were ordered in the county than ever before, and Cherry County lead the state in the number of trees ordered all through the year.

There were 15 cooperators planted 152,050 Clarke-McNary trees. The majority of the trees were used for livestock, and farmstead wind breaks, while some were used for open range wind breaks. Ranchers prefer a good wind break to a shed for wintering cattle. Following are the species of trees ordered and the number of each:

- 22,150 yellow pine;
- 17,200 Chinese Elm;
- 19,500 red cedar;
- 10,200 American Elm;
- 20,000 cottonwood;
- 10,000 black locust;
- 10,000 red maple;
- 10,000 white birch;
- 10,000 white pine;
- 10,000 white elm.

These are the larger number of trees ordered while the others follow pretty much in line. More red cedar and other varieties would have been planted had the supply not become exhausted. The red cedar which was limited in orders is the most popular for this area and the supply was exhausted far too early. The results obtained from the mechanical tree planter was gratifying.

Survival of tree plantings was just fair this year, as it was very dry during April and May. However, the June and July moisture assisted their survival very nicely. For a comparison of the number of cooperators and the number of trees planted through the years, refer to the Clarke-McNary Forestry Chart in this report. More since the local Extension Office received word of the price for trees and the varieties available, the Agent has carried on an extensive publicity campaign for ordering trees for 1949 delivery. Application blanks were received early in October and the tree orders were a little slow to get started, however, Cherry County is again leading the state in the number of trees ordered for 1949 delivery. At this writing, there are approximately 50,000 trees already on order from Cherry County for next spring. Tom Arnold of War. al has already ordered 22,100 and Bud Scheer has ordered 15,500. These are the two largest orders today.

Mr. C. G. Gwynn, of Cody, undertook quite an interesting wind break project this year, as he planted a good many thousand trees quite old for planting in this area. In his project he plowed up about ten acres of ground where it was low. The soil was not exceptionally heavy but by cutting some willow limbs and cottonwood seedlings about 10 to 12 feet in length they then dug holes down to the water and put the trees in at the water level. He also planted red cedar (native and Clarke-McNary), and noted that the Clarke-McNary, although slower reached up and lived through the summer. The cottonwood and willow trees were cut off about six inches above the ground at the time of planting. This fall, branches from these stubs were as high as a man's shoulder. This could prove to be quite an interesting project.

Disease or deficiency was noted in Mr. Gwynn's eight year old plantings of red cedar. These trees were just west of his house, were nicely cultivated and apparently well kept with access to water. However, they took on rather deformed appearance. When Mr. Maxwell, Extension Forester visited the County, he was taken there to observe that particular wind break. Again in October, Mr. Maxwell and Mr. Telden, of the Soils Department were in the County to inspect a few wind breaks of that same particular deformity. As yet no solution has been offered
as to what the cause might be. But this Agent believes that the soil is deficient in a particular type of mineral, which the trees are not getting. The deformed appearance might be due to the heavy June rains the last year, providing a faster growth than is natural for red cedar. In this rapid growth the tree did not receive sufficient minerals to stabilize the branches and give them strength. An experimental demonstration will be held there next spring. This particular deficiency was noted in some of the other red cedars that were even older than in the Gwynn ranch. It is hoped that a remedy to the situation might be found.

The red spider mite was again in evidence this fall as well as the leaf chewing worms which ate some of the wind breaks this season. Insect damage to wind breaks and trees was exceptionally heavier than normal and many various bugs were brought into the Agent for identification and a recommendation was given for the control in each case. Insects consisted largely of the leaf chewing worms or sucking variety. Aphids in particular were numerous.

The agent assisted several ranchers in reclaiming old fields with crested wheat grass and curly reed grass were adapted. More work of this kind must be done in the county. Meadow improvement was conducted on the P. W. Young, Tillur Frybread and Ralph Baker ranches. Demonstration seedlings were used on their meadows. Good results were obtained from the red and alsace Clover. For results of a fertilizer demonstration, see the crop section of this report.

At the beginning of the year, Dean Higgins was present in the County 9 different days to give assistance at first with the contacting of various persons who were interested in attending the hearings, 2nd at the hearings and 3rd following the hearings to make plans for further development pending the affirmative vote of the State Committee.

Dr. George A. Condra, Chairman of the State Soil Conservation Committee conducted legal hearings on formation of a Soil Conservation District in Cherry County. Meetings were held at Wood Lake, Valentine, and Hermann December 10th and 11th. Ninety-six men names were submitted on petitions and 153 ranchers registered yes on the questionnaires returned by them in regard to a Soil Conservation District. At these meetings Dr. Condra had the opportunity to renew old acquaintances and thoroughly discuss the possibilities of a Soil Conservation District in this County. He pointed out the differences between a District and A. A. A. Program and called upon Dean Higgins for technical Soil Conservation questions and also upon the Agent for his views in the matter. The questions that arose was the A. A. A. grass problems, equipment usage, and taxes for the support of the program. Dr. Condra answered all these quite favorably to everyone present.

Following the hearings, Dr. Condra stated that he was very well impressed with the attendance at the meetings and the interest in proceeding with the formation of a Soil Conservation District. Of the 92 Districts that are already formed in Nebraska he stated that from the standpoint of genuine interest and enthusiasm that these hearings were the most outstanding held to date.

Upon returning to Lincoln Dr. Condra met with the other two directors of the State Committee and favorably passed upon the application of Cherry County to form a Conservation District.

Since there was no land owner present from Southwest Cherry County it was decided to exclude the land south of township 29 and west of range 31 and let
these land owners join the Frant-Hooker District when and if it is formed or the Cherry County District at a later date. C. J. Reece was appointed referendum officer. He selected P. H. Young and C. A. Daniels as his assistants.

Mr. Reece and Mr. Young met with the Agent and mapped out the tentative polling places and the program will be conducted for the referendum. It was decided to have all officers meet at the County Agents office January 2nd and further plans made for the referendum.

January 2nd, the County Referendum officer, his committee and other committee interested in a Soil Conservation District met at the County Agent's office to set up the polling places and discuss the coming referendum. Those present were in favor of holding the referendum on January 30th. It was decided that polls should be set up at Wood Lake, Valentine, Cody, and Harriman with local committees acting as polling officers. Mail ballots were made available at local Post Offices, stores and banks so those who wished to vote by mail ahead of the polling day could do so. This proved to be quite satisfactory to further educate the people as to what a Soil Conservation District was, how it operated, and how it would benefit them. Also as well as to announce the various locations of mail and how it would benefit them. Also as well as to announce the various locations of mail ballots and encourage the land owners to use this method in case of bad weather the 30th. The committees at Wood Lake and Harriman suggested to the Agent that news articles be carried and published in the Gordon and Ainsworth papers. The editors of these two papers were very cooperative and published each item that was submitted. One editor even placed this comment favoring the district and suggested that every land owner should vote.

Opposition began to develop somewhat in a few areas of the county but this was due largely to misleading information or propaganda. The committees in those areas suggested that the Agent hold meeting to further explain the district and what they were voting on. At first it was like stepping into a hornets nest but after it was carefully explained everyone seemed to be in favor. Fifty-three persons attended the three meetings held, one of which was a night meeting at Sparks. Even the persons who had put out the misleading propaganda in one area at the close of the meeting came to the Agent and said that he favored it and that he did not fully understand what it was about until that time. Actually these meetings were quite beneficial as it was away of furthering the Extension Program, as well as, meeting new faces.

The Agent spent one day distributing mail ballots and swearing in polling officers.

On January 30th the polls were opened from 8:00 A.M. to 6:00 P.M. The results in the polls at the close of the day were:

<table>
<thead>
<tr>
<th>Polls</th>
<th>Favor</th>
<th>Opposed</th>
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<tbody>
<tr>
<td>Wood Lake</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>Valentine</td>
<td>22</td>
<td>1</td>
</tr>
<tr>
<td>Cody</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>Harriman</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>
| Making a total of 49 votes cast with 46 in favor and three opposed at the polls.

Mail ballots were directed to the County Extension Office. The County Referendum committee with C. J. Reece as County officer, met with the Agent to make final count and turn in reports to the Secretary of the State Conservation
committee. Seventy mail ballots were turned in. Sixty-six were in favor and four opposed. This made a grand total of 119 votes cast with 112 in favor and 7 opposed. Therefore the referendum carried with an overwhelming majority.

A news item was published carrying the results of the election in both County papers and one of Gordon and Ainsworth. The story included information of how the progress of the district was developed bringing out that 96 land owners returning in favor of the district; 12 opposed and 30 undecided. Some land owners formed an opinion that answering the questionnaire and expressing their opinion at the hearings was the same as voting. This might be an explanation of why there were not more land owners that voted at the Referendum. Therefore, this was strong support in favor of forming a Soil Conservation District.

Following the favorable referendum vote the Agent spent a good deal of time contacting more who would carry petitions and other land owners who would run for the candidacy of the C. S. District Supervisor. Carl Powell of Cody was appointed as the first supervisor by the State Committee in February. At the last, the Agent found seven men who were interested in becoming candidate and then acquired cooperative neighbors to carry the petitions, favoring their candidates. It was planned to hold the election of supervisors in April along with the other primaries but not all the petitions were in until late in May. Following this, the Agent through continuous effort lined up the soil conservation District Supervisor election of candidates, which was held June 22nd. Seven candidates were on the ticket and four were elected.

The balloting was handled largely by mail vote though the poll was maintained in the Agent's office on June 22nd, and three land owners voted. The results of the election were as follows: C. S. Reece, Glene; George Pearson, Valentine; Wesley Fox, Kilgore; Kilo Godrich, Sparks. Over 100 mail ballots were sent in, although some were too late to be counted.

July 1st, the new Board of Advisors met in the Agent's office for the election of officers and to plan out the program for the coming year. Mr. Tagge and Mr. Dean Higgins were in charge of the meeting as the Agent could not attend, due to the 4-H judging contest that was held the same day. Carl Powell of Cody, was elected President, and C. S. Reece, Secretary-Treasurer. This meeting was quite historic in the fact that not so many years ago, it was doubted that a Soil Conservation District would ever be formed in this county. With the election of this Board of Supervisors, this meant that Cherry County at last had a Soil Conservation District which took a tremendous amount of time in an area so large. The southwest corner laying within range 31 west and south of Township 28, was not included in the District and it is hoped that they will organize with a Grant-Hooker Soil Conservation District, if and when it forms.

A Soil Conservation District meeting was held at Mullen and Myaniss on the 26th and 27th. The Agent issued a joint letter with Mr. Dean Higgins urging ranchers in the southwest corner of the county which are not withing the Cherry County which are not withing the Cherry County Soil Conservation District to attend. A small crowd turned out at Mullen and it was their consensus of opinion to invite the land owners in Cherry County to enter the Soil Conservation District in Grant-Hooker as and when they organize. A mailing list was printed and sent to the County Agent at Thedford, so that greater cooperation may come between the two counties in the organization of the Soil District.

Latest attempts were made for the organization of this District all
of which netted little results. However, as soon as the Thedford District has a new Agent, work will be directed toward gathering the rest of the county in the District.

Following the election of Supervisors for the S. C. S. District, the Agent began trying to interest ranchers in making application to the District early. The Agent also helped with the location of an office for the District.

Early in August, Mr. Lorenz Redenheimer was appointed as the District Conservationist. He and Mr. Hagins visited the office shortly thereafter, and invited the Agent to attend their Program Planning Meeting Organization, on August 12th.

At this meeting plans and policy were formulated of entering into complete long time conservation plans with ranchers and farmers as the basis for all forms of assistance available through the District. Applications were accepted from F. C. Hensinger, Milo Goodrich, Charles Kellogg, and Raymond Turner. The Board was informed that the Soil Conservation Service would furnish the District Supervisors technically trained men to assist the District in planning and establishing conservation, such practices on the lands within the District Program and plan of work. In addition to the technical help, the S. C. S. hopes to loan the Board grass drills, land roller and tree planter. The District will also receive some grass seed from the S. C. S. Nursery. The Agent pledged his support in the development of the program.

Since the Soil Conservation Service has been inaugurated, the Agent and the Soil Conservationists have worked quite closely together in securing new applications for the District. One example was in September when they worked together in locating lovegrass and crested wheat for harvest. This was done through working up new items with the progress of the new District and plans are in the making for a more unified program with the Conservation Service next year.

The Assistant Agent attended the Annual Conference of Soil Conservation District Supervisors held in Lincoln. Practically all districts in the state were represented at the meeting. Specialists from the Experimental Station talked on various conservation practices and a few supervisors told what was being done in their respective districts. It was the general opinion that the conservation program is worth while and is here to stay.

Upon a visit to the Craydon Anderson ranch near Brownlee, the Agent saw that a graded road had been put in high above the meadow and extended west from the rancher's farmstead over the low meadow to the south. After admiring the new grade which will get him to the big way during the wet spring season, the rancher stated that he had also planned to use this as a dam, complete flood gates to back the water up on the highland to the northwest. He had also drained a big swamp and plans to reclaim that land this coming year. This practice will be further encouraged on other ranches if it proves practical on the Anderson ranch.

Two forestry clubs enrolled 29 members in Forestry Projects. The youngsters seem to be quite interested in the development of wind breaks and learning the identity of trees. On a couple of occasions, the Agent assisted by the Sub-station Superintendent, had forestry field tours at the Experimental Station for the purpose of securing leaves and twigs of definite varieties for forestry club boards and books. The forestry exhibit at the County Fair was quite an exceptional event, as many boards and mountings were in evidence and were indeed very attractive.
It is hoped that more forestry clubs can be developed next year.

The Extension Service received 14 soil samples for analysis and other ranchers were encouraged to have their soil tested, wherever the question of alcolinity or fertility arose.

**FARM MANAGEMENT**

Most farmers or ranchers have been interested in setting up their operations under the former unity planning system. Eighty-one operators are cooperating in keeping income tax record books obtained at the Extension Office. Twenty-two others are keeping more complete records in the Extension "Farm Account Book". Six homemakers are keeping "Home Account Books". Mr. Brosius, public accountant, was in to purchase 100 "Income Tax Record Books", to be used by farmers and ranchers in keeping good records for 1948. A portion of the 81 operators aforesaid are recipients of these 100 "Income Tax Record Books".

During the early part of the year, the keeping of good farm account records was encouraged in news items notifying the farmers and ranchers that they could obtain "Income Tax and Farm Account Books", at the County Extension Office. Information in the regard to keeping good records was given whenever requested.

This year, the job of handling labor was transferred from the Extension Service to the United States Employment Service. However, the ranchers all seemed to believe that the Assistance rendered in finding help the year around by this extension service is invaluable to them. It proves out to be good contacts and another way of assisting the rural people. Therefore when the local U. S. E. S. Representative from Ainsworth asked the Agent to be the local Representative at Valentine. The Agent accepted. We have cooperated with the U. S. E. S. quite effectively this month.

The Cooperative Farm Labor Association which was incorporated during the war, figured that farm labor, appearing to be more plentiful this year. Therefore the officers decided there was no need for Association activity this year and it will perhaps be dissolved in the near future. Three of the volunteer placement representatives continued on their job are: William Jordan, Valentine, J. E. O'Halloran, Wood Lake, Dick Lessier, Merriman.

Farm labor this past year was not as critical a problem as in the past. There were 262 men and women requested work while 115 orders were places for help. Sixty-four placements were made. These figures of course indicated that there was a surplus of labor, however, there were three or four months during the year when labor was particularly short.

In February there was a labor shortage for single men and more married couples wanted work than there was demand. Farm labor during July was not as short as in the past, however there were times at ten to twenty hands were on demand for haying. Wages were very good but good help scarce. Stacking wages were $12 to $15 a day and any job ran between $200 and $300 per month. A few laborers hired out at $8.00 to $10.00 a day or $175 per month. As in the past Extension Service rendered invaluable help in the location of hay hands. However, two hundred and sixty-two people asked for a job, it is doubtful of the number wanting to work. Ranchers had to take what they could get and some were dissatisfied with the quality of the help in the high wages. Many of the ranchers traded help as much as could be done and some of the "old boys", who own ranchers had to do some of the heavy work themselves in order to get it done.
FARM LABOR

Persons Wanting Work
Placements Made
Jobs Available

Persons Wanting Work
Placements Made
Jobs Available

November
December
January
February
March
April
May
June
July
August
September
October
November

X
During June, July, August, and September, the number of persons wanting work here, were a good deal of Indian labor, for which there is no demand and during July and August in particular, the transient labor from the harvest fields was heavy but they lacked experience for haying jobs; thus a good many placements were not possible. In general, though, the ranchers were quite well supplied with help during haying.

The harvesting south was very regular this year and at first there was a shortage of combines and withing ten days there was a great surplus in the state, due to many combines from as far south as Texas and from Canada converged on Nebraska for the harvest season. Grain in South Dakota was extremely slow ripening this year, therefore, the combines were very confused as to know what to do and where to go to get back in the harvesting area. Valentine, which is not usually heavily over run with combines, found itself with many combines waiting work in South Dakota. The Agent helped route 53 combiner with machines to areas calling for combines. This mix-up in the harvesting did help a little in the local supply of hay hands as some transients could not find work in the harvest fields and haying was offering almost as much pay with steady work.

Three ranchers requested information for "On the Job Training of Veterans". Assistance was given to 22 G.I.'s. Until late in the year, there was not much assistance that could be given to the veterans as there was not one that wanted to take up the teaching of the veterans Program. However, late this fall, Dwight Sloan, Secretary-Manager of the Sand Hills Cattle Association, accepted 15 G.I.'s. for training. The U. S. D. A. Council had to be re-organised to pass on the Veterans making applications. Mr. Sloan reports that at least 25 men (G.I.'s) would like to take up the training when it is available. Quite a few are under the self-proprietor set up, while others are working with the ranchers. This is indeed of great assistance to the Veterans Program.

Father O'Grady of the National Catholic Organisation, and Norm O'Kieff, F. W. A. Director, visited the Agent and confronted him with the problem of placing displaced person on ranches. The Agent would agree to give assistance wherever there was interest for accepting European displaced persons. The Program calls for the rancher making out application cards for a particular type of family with a cattle background of some sort and making the request for the nationality that he desires. Those nationalities available are Estonians, Latvians, Lithuanians, and German nationals. The rancher when he accepts a family must forward enough money for transportation from the port of entry to his ranch, in lieu of future wages. A few ranchers have been contacted, but it is their belief that there would not be many displaced persons very well acquainted with the raising of cattle such as we have in the Sand hills, or in the United States, and therefore it will be a slow process of obtaining any displaced persons for help.

Recruitment of neither labor or machinery from other states was undertaken except in the routing of combines and harvest hands to critical areas.

GENERAL ECONOMIC PROBLEMS

The Agent attended his annual Farm Loan Association Meeting on Public Finances. Mrs. Miller and Mr. Barr, U. S. D. A. Representative assisted the Agent in giving a fine talk to the R. E. A. group, who numbered 113. Also the Agent discussed Extension activities, the using of mineral, protein, and Soil Conservation phases. A talk on the past, present and future price trends in relation to products was given by a Loan Representative. From this explanation of price
trends, the Agent was able to more thoroughly explain this phase to interested parties.

The Agent addressed a group of over 100 people at the Annual Production Credit Association Meeting. The same subjects were discussed. An interesting report was given on the financial status of the Association.

Mr. Elchonburger and Mr. Schroeder of the Bureau of Lands and Reclamation paid the Agent a call and were interested to learn the economic land conditions of the land lying in the central eastern and southeastern section of the county. The bureau is planning and carrying on surveys for the construction of an irrigation project by the connection of streams and lakes in the above mentioned area of the county. Many ranchers are wondering as to its various value in that with the formation of a canal through their land they question the lowering of the water table in their meadows and better hay land. The Assistant Agent spent considerable time for a couple of days helping Mr. Schroeder, the Hydrologist with water table readings that have been kept over the past years by the Experimental Station at Valentine.

MARKETING AND DISTRIBUTION

As in the past, the County Extension Service has cooperated closely with the livestock organizations to assist them in promoting sales for operation, not only within the county but all over the range area. In some cases this extended to other states, such as the County Agents of the Midwest and of the East who request assistance in the purchase of feeder calves for $-H club work. Then, too, there are always some eastern parents who come here to the "cattle kingdom", with the idea in mind of selecting next year Grand Champion at one of the big state, interstate or National shows. Strangely enough, many of the Grand Champions in $-H club work in car load lots and in pens of five at the big State, National and International Shows have been selected right out of this county and in the range area. This year, Cherry County won the Grand Champion Group of 5 steers shown at Ak-Sar-Ben. This was over all breeds and was the second time in 21 years of Ak-Sar-Ben that Nebraska had copped this honor. Also, Charles Drybread of Valentine had a purple ribbon steer in the Hereford Division at Ak-Sar-Ben in the competition of over 1600 head. He also placed fourth in the purple ribbon division of Showmanship at the State Fair.

The organizations representing the cattle interest for this county and the range area are the Sandhills Cattle Association, D. L. Sloan, Secretary-Manager, Sam R. McKelvie, President. The other livestock Association is the Northwest Hereford Breeders, both with headquarters in Valentine.

The Sandhills Cattle Association and Hereford Association activities were to popularize, improve the quality, aid in the sale of sandhill feeders and purebred cattle, maintain a code of ethics between buyers and sellers and promote a spirit of cooperation and friendship and mutual understanding among the producers of beef type cattle in this region.

The Agent met with the local livestock sales Auction Manager, Bob Carr, and Dwight Sloan, Manager of the Sandhills Cattle Association and together they plan for a $-H feeder livestock show and sale next fall. It is also planned to hold an Association Sale similar to Bassett and the others, that is in car load lots. The Auction Company can handle 40 car loads and it was planned to have some certificates signed by the ranchers that they will save back enough quality cattle to market at these 2 fall sales.
The Agent was invited to attend a meeting in conjunction with the Sandhill Cattle Association, on Friday, March 12th. Mr. Frisbie and Mr. C. C. Fouts happened to be passing through and were also invited to speak. The Agent presented the H-H club Stocker Feeder Show and Sale and possibilities in conjunction with the Association sale. It was presented with the developing of H-H youngsters into the future citizens and ranchers of the community. Mr. Frisbie and Mr. Fouts also followed up this angel.

Thirty-five members attended the meeting in Valentine and voted to hold a special Stocker Feeder Show and Sale in Valentine, October 11th. The following members: C. C. Young, Tom Arnold and Forrest Lee were appointed to a committee to manage the sale and make all the arrangements.

The lively discussion at the meeting developed several points as follows: The quota of cattle for the sale would be set at approximately fifty loads and that the first fifty consignors signing up will be accepted. Only one load would be accepted from one consignor unless the quota of fifty loads cannot be met. The group voted that the top three loads in each class shall be picked by competent judges and that loads sold first in the sale, the sale order of the remaining loads to be determined by drawing lots. It was decided to hold only one sale and on the first Monday following the Bassett Sale. The members also voted that the cattle consigned to the special sale must be owned by the consignor on May 1st, and that the cattle in the show loads must be of good quality and uniform.

Twenty loads of cattle were consigned the night of the meeting and several have since been consigned. All members were asked to contact one of the members of the committee and sign the contract if they wish to consign cattle. The committee was anxious that all members in this area should have an opportunity to consign a load to the sale and urged all members to contact the committee personally.

This was a great step in the Association toward a market in the vicinity of the home office of the association and the Agent planned to work closely throughout these sales both with the Association and the H-H Stocker Feeder Show and Sale.

The annual meeting of the Sandhills Cattle Association plans were laid for the development of the Stocker Feeder Show and Sale of cattle by the car load "50" of the H-H Stocker Feeder Sale. It was hoped that toward this end it would be possible to hold both sales together. At this annual meeting, which was a two day convention May 22nd and 23rd, many marketing activities were discussed in which the Agent assisted. For further information of this convention refer to the livestock section of this report.

Late in the summer, since prices were so attractive from feeder buyers, a good many of the members who had consigned car load lots asked to be released from the sale, which had been planned. The sale committee agreed that due to the fact that the contractors price were quite high that perhaps it was best to let these members contract their cattle. This finished off plans for the sale and thus the Stocker Feeder H-H Sale bugged down.

The Agent attended the Bassett H-H Show and Sale held October the 12th. Prices in general were quite satisfactory as the top purple ribbon calf sold for .71¢ a lb. Cherry County had mix calves exhibited and they were satisfied with the sale. It is hoped that in the future next fall perhaps, that a similar event might be held at Valentine.
The Four Sandhills Cattle Association special shows and sales which were held during October were considered by the consignors, and the managers, to be very satisfactory. Some of the consignors of heavy cattle were somewhat disappointed, but the prices were fully as good or better than current market quotations. Buyers were not lacking at any of the sales and most of the eastern feeding states were represented at the ringsides. The quality of the cattle in the sales was tops and many buyers commented that they had never seen so many good cattle gathered together before.

Bassett held their eighth annual sale on the afternoon of October 9. On the evening previous to the sale a buffalo barbecue dinner was given the visiting buyers and over one thousand people from ten states attended. A program followed the dinner. High price for the sale was for steer calves at $10.00.

The Atkinson sale was also held on October 9th, the show being in the afternoon and the sale at night. This was the first sale for Atkinson. Top of the sale was set by steer calves sold at $33.00.

Theford's third annual sale was held on Tuesday, October 12th. A "Chuck Wagon Feed" was served the visiting buyers at noon. Steer calves at $30.70 topped this sale.

The last sale of the special circuit was held at Gordon on Saturday, October 16th. Angus steer calves which sold for $34.35 topped the sale.

The 4-H Baby Beef Sale was inaugurated in the fall of 1946, was held again this year in conjunction with the County Fair. The sale was conducted a little differently from the first year, in the fact that the sale of calves was optional. The consignors were listed with the County Agent and Sale Committee by Sunday noon. This group of men then arranged the order of the sale.

The 4-H Baby Beef Sale was held in the Hereford Sale Barn. Roy Cunningham or Brownlee was on hand to address the 4-H club members prior to the opening bid. He gave a humorous talk to 4-H club members and to the people telling of the high cost of feed and of the present market situation. From the opening bid, prices were very lively and although the market had slipped in the past weeks nearly every 4-H member was well satisfied with the results of the sale.

Jerry Brage of Brownlee received the top price for his Black Angus steer which was sold to Tex Cronin for $43.75. There were a few other $40 calves but the average of the sale went around $35 and $36.

The Sale Committee of the Fair Board functioned very nicely this year and they had a sufficient number of local buyers on hand to keep the bidding well up around the market price. It was unfortunate that the market had been in a rather slump for two weeks prior, and following the sale. But from the market standpoint, the sale was quite successful. Trucks were available the morning following the sale to take any cattle on to market which the purchaser did not intend to keep for local slaughter. The loss was pro-rated among the local buyers and each one figured about a $10.00 donation to the 51 individual calves sold.

The local calves dressed out at an average of 57%.

Mr. Roy Ross and Mr. Wickman of the Union Stock Yards assisted the sale Committee.

After having quite a successful 4-H Baby Beef Sale last month at the County
Fair, the Agent assisted Mr. Derrick and others with the 4-H baby beef sale at the State Fair. Although the market was not to steady packer buyers and others were present on the 10th in Lincoln to pay quite satisfactory prices for the baby beefes offered for sale. Lil Drybread received $.52 which was a high price for any blue ribbon award steer. Others ran around $.40.

The sale of fat calves at Ak-Sar-Ben was in general satisfactory to each consignor.

Charles Drybread's purple ribbon calf sold for $.48 per pound, and the others at $.60 cents.

The ranchers who live not too far from the oil roads in Cherry County have organized by community into the stock yards located conveniently near the highway, while trucks have easy access in getting the cattle to market. The scales have been installed a long with the yards, and cattle were weighed quite satisfactorily due to the good gangle condition which we have had throughout the grass period.

Last year the ranchers had the trouble of contracting their cattle too early and receiving anywhere from 15 to 20%. While the market dropped after they had contracted, therefore, they waited this year to see just what the market was going to do. For a while contractors were bidding around 30¢ to 32¢ but many of them thought they were going to be cautious and waited for better prices. Those who did so have found that the market has slipped a little and were accepting 25¢ to 28¢. Others waited and carried over quite a few calves to two and three year olds.

The feeder has been a little more cautious this year in buying cattle and therefore some of the cattle were not contracted.

The Agent has as in the past again helped the Northwestern Nebraska Hereford Breeders Association with their Annual Spring sale. This was the best sale held to date for the Association at Valentine. Bulls averaged $767.00 and Wilbur Drybread's Grand Champion sold for $2500.00.

The Agent was contacted by the Hereford Breeders and was asked to act as Assistant Secretary to their organisation. In view of the fact that the present assistant has requested release from the position. This was considered an honor by the Extension Board.

During January, the former County Agent Ray Peters at Thedford requested the location of some yearling steers. The Agent at Adams County, Cyril Fish, asked the Agent to cooperate in helping him find from 200 to 250 four hundred pound calves by March 1st. The Agent contacted a few local buyers and found out that chances were slim of location of that many calves and the quoted price averaged 29¢ plus commission plus transportation. Mr. Fish said that was too much money and he would try and find that order around their own territory.

Seven person requested assistance in buying and selling seed for planing seed last spring.

Mr. Charles Kellogg of Sparks and Mr. Frank Vapes of Sli were interested in artificial insemination of a few of their dairy cows. Therefore, they were interested in the purchase of some good dairy stock which the Agent helped them locate.
The 17 leaders who attended the "Color in the Home" leaders' training meeting on September 22nd voted it one of the most interesting and valuable of the year. Many are expecting to do some redecorating, and the help provided by this lesson will aid a great deal in getting this job done.

The work given was intended for two lessons:

A. Guides for choosing colors in the home.
B. Training the eye to see color differences.

A. Any homemaker can plan a color scheme for her house if she knows a few simple principles of color harmony and color mixing and takes time to plan ahead.

In the living room she should try for a cheerful, relaxing effect, the bedrooms should be still quieter; while in the kitchen, where more action goes on, a more stimulating effect is desired. In order to obtain these effects she must know which colors look well together, what proportions of each to use, and where to put each one. For guides in selecting colors for a room she may have the help of artists who have used proper combinations in pictures, rugs, wall papers, and drapery and upholstery materials. In combining colors, she should use those having a common color, and should avoid strong contrasts. There are four ways to create color schemes.

1. Choose one color, then get figured material containing it and use the others it has.
2. Use a favorite color.
3. Use soft shades of 3 colors.
4. Use grayed shades of contrasting colors. The amounts of each color should be used in 60-40, or in 50-35-15 proportion.

It is a good idea to plan one color scheme for the entire house, Materials of the same color but of different texture may be used to add interest to a room. A good distribution of color is to have the rug of the main color, use all three in a large piece of furniture such as a couch, two colors in drapes or a chain, and one single color for walls or perhaps another chair.

B. Using a large number of small pieces of plain colored papers, we can arrange them to show color differences within each group of colors, and also to show various shades, from light to dark, be from bright to dull. In this way we can train our eyes to know color differences. A demonstration using water colors shows the primary colors, how they are used to form secondary colors, how colors may be grayed, brightened, or darkened.

Truest colors are formed in paints of the best quality; if the exact color wanted cannot be purchased it may be made by mixing two paints, or by adding colors-in-oil to paint.

Color brings light into the room, shows furniture as well as the family to advantage.

Colored photographs of rooms may easily be found to illustrate the principles.
of color use in the home, and study of these will help any woman planning a
color scheme for her home.

All Home Extension Club Women entered this phase as very interesting and
helpful to them in decorating a home.

A picture lesson was given to the Home Extension Club Leaders on March 5th.
It was held at the Presbyterian Church basement and leaders were asked to bring
their supplies of a few various pictures, portraits, and wall papers. From these
materials, the lesson was built around the selection of pictures to fit the
various rooms of the house and so they would blend with wall paper and with the
coloring scheme.

Various categories of picture and appreciation of art were given. The
Home Extension Clubs were somewhat destroyed in this lesson as it was of a late
dry nature and difficult to present to the clubs. However, it was appreciated
and many of the rural homes benefited from its purchase and development through
the Home Extension Club Work.

With the current agricultural prices, the ranchers and farmers have taken
advantage of the good times and even though building materials are high, they
have taken this opportunity to build up their ranch buildings and homes with
the idea in mind of making the home a better place to live. Along with this,
more interest has developed toward making the home modern, therefore there were
many homemakers and ranchers who have developed an interest in better water and
sewage disposal systems. The number of septic tank bulletins increased greatly
this year along with the request for the construction of septic tanks. There were
between 15 and 20 septic tanks installed in the county using the Extension
Service recommendations and specifications for installation.

The Agent assisted over ten different ranchers and farmers in the remodel-
ing, construction and farmstead improvement of ranch buildings. This was well
appreciated by the persons who received assistance.

Ninety-Six

Three ranchers were given assistance in planning their yards and windbreaks
this year. On February 18th, Mr. Whitney and the Agent visited the P. W. Reese
ranch at Simoon, the Lloyd Olson and Henry Fox ranches at Kilgore and helped
lay out their plan of work for developing a better arranged yard and windbreak.

Mr. Whitney visited the John Dryton ranch at Arabia and gave him assistance
in horticultural and other windbreak problems. In the afternoon of the same
day, Mr. Harrington and Mr. Whitney held a Yard Beautification windbreak meeting
at Kilgore. There were 76 persons who attended this meeting and some interesting
colored slides were shown. A few garden problems were discussed by many of
the persons who attended were interested in development toward beautifying their
ranch yard homes. This meeting proved to be quite interesting as many persons
requested the Agent to assist them in planning their yards this spring.

Mr. Whitney particularly liked the ornamental fruit plantings for hedges
which is something just a little bit new and well received. The Opata and Sapa
plum trees and the Dolga Crab were worked in very nicely with the Nanking Cherry
and Gooseberry hedges. The Junipers and the Pitzers evergreens were also used
in landscaping some of the yards.
The Agent gave some publicity to the fact that he was available for the planning of yards for beautification. This proved to be very greatly appreciated. Ninety-seven persons interested in the arrangement of yards and wind-breaks for beautification were given assistance. Some of these people asked for assistance at the time the Agent paid a visit to their ranch or else made an office call and requested a special trip when he was in that neighborhood for planning their yards. This is proving to be quite a satisfactory project in the Sandhills and more persons requested the Agent for future planning of the yard and the arrangement of the Farmstead in construction and improvement of farm buildings.
Three water samples were sent into the Department of Health for analysis.

Mr. Miller was persuaded to talk at a meeting in which 143 persons were gathered and the R. E. A. Program in general was discussed although not much detailed information was available except the number of signers and potentials. There were 316 who have signed for service in the Cherry-Todd District and there still remains 237 potentials with slightly over 500 miles of highline. This gives an average of about 1 person to 1 square mile of highline which Miller said was quite promising.

One of the best Extension Programs ever presented in the county was the Home Equipment Show held here on the 20th. The Agent gave this a great deal of prior planning and the arrangement toward the success of the show.

Although a heavy snow blanketed the ground the night prior to the meeting, local dealers had the entire floor of the Auditorium covered with attractive exhibits on the electrical line. The meeting was called for the primary purpose of showing the cooperators in the R. E. A. and others in the County what home equipment was available to them when they had Rural Electrification. Naturally the interest was high and 350 persons which is quite a large crowd for Cherry County meetings, trotted through the snow to attend the meeting.

Mrs. War R. Elliott gave a demonstration on "Ironing the Easy Way", and discussed the selection of irons and pressure sauce pans. The Home Economics Department really deserves high credit for this demonstration as it was one of the best received demonstrations ever put out by this Department. A good many rural homemakers that might have not been otherwise reached were contacted and given assistance through this meeting. At the end of the demonstration, Mrs. Elliott was swamped with questions while at the same time the individual exhibits were observed by the large crowd attending.

When the dealers had sufficient time to visit with the crowd the people were asked to be seated and await the drawing of some very interesting door prizes. This concluded the show and the only complaint was that it was not a night meeting so that more people could have attended. The Extension Service received high praise for a job well done and the frequent question since that show has been, "When do you plan to hold another?" This may prove to be the outstanding meeting in Extension this year for this county.

A Beautification—Windbreak meeting was held at the Cody City Hall and quite a nice size turned out for the organization. Prior to the meeting Mr. Maxwell and the Agent visited ranches in regard to Yard Beautification and Windbreak problems. It was noted that the cedar trees seemed to have a deformed appearance in maybe that they have grown too fast and was not enough hardening of the limbs to support their weight.

At the Owynn ranch a new method was noted. The operator had dug to water and stuck the roots of the willows, Cottonwoods, and Chinese Els to water level. It should prove to be an interesting experiment as well as a profitable windbreak for the owner.

At the Powell ranch they were bothered with a bad case of Fairy Ring Fungus. Some suggestions were offered in further arrangement of the yard and Mrs. Powell received congratulations on her sunken garden and arrangement of her yard.
At the afternoon meeting Mr. Maxwell showed some interesting slides on windbreaks, wild flowers, and yard beautification problems in his discussion. More questions were asked at the close of the program. The Cody Ford Beautification Club was also present at this meeting and took in some helpful suggestions for the projects.

Miss Helen Rocke, Home Management specialist and Jonn R. Steele held a very successful sewing machine clinic at the Valentine City Hall on Monday, May 10th. The meeting had to be limited in number so that the clinic could be properly conducted, therefore, 15 leaders from various communities over the County brought in their sewing machines of different makes to receive some leaders training on their sewing machines. The purpose of the meeting primarily was to train the leaders in the cleaning and adjustment of sewing machines so that future clinics may be held in their respective communities if and when interest for that particular project develops.

Leaders included town and country folks alike and all those who received the lesson acclaimed it as one of the most helpful and constructive of any of the Extension demonstrations for making the home a better place to live.

Following the Sewing Machine Clinic, the Agent assisted Homemakers with sewing machine problems, particularly in the cleaning and adjustment of their machines. This was done in the time at which rural calls were made. Nothing seems to be more appreciated that the help given in the homes with the sewing machines and it is hoped that more sewing machine clinics can now be held using these leaders who received the lesson.

Monday, December 15th, the Agent attended an R. E. A. Meeting at the Littleburg schoolhouse. Various persons met to discuss the progress of the District. Four attended from Cherry County.

Items of business were the inspection and observation of pre-allotment maps presented by the District Engineer, Don Flahart.

A survey has been made and everyone was well pleased with the work. His bill was submitted with the maps. He could charge either $2.50 per mile or by the township. By the mile it was $6.00 and by the Township it was $44.88, which Mr. Flahart excepted. The treasurer report was presented and excepted.

New business was the discussion of the source of power. A Committee was appointed to go with the lawyer to the Consumers in Columbus to see what can be done to obtain power from Valentine. Charles Kellog, Mr. McCormick and one other South Dakota man were appointed on the committee. Another alternate for power is Mission and in the future Fort Randall Dam for the project. Most everyone believed Valentine the best source, if obtainable, at least for the time being. With the entrance of the Fort Randall Dam into service an effort will be made to obtain power there. The Secretary reported that Cherry County signed 103 units, Todd County, South Dakota, signed 180 plus 1/7 in small towns giving a total of 190 signers with 341 miles of highlines. Additional prospects in Cherry County number 87 and Todd 120. The meeting was adjourned and no further date was set for another meeting.

Mr. Miller, and Mr. Barr of the U. S. D. A were in the District to survey the possibilities of a loan. These gentlemen spent a full week in the District and while they were here addressed the National Farm Loan Convention giving the development of the R. E. A. through the years.
During ranch visits the Agent assisted in the planning of yards for beautification.

A half day was spent with Mr. Luff of the Linc In Steel Works and Mr. Byand of the Chase Plum Company in Lincoln. These men were interested in the type of equipment and machinery that are being used by our ranchers and wondered why there hadn't been some patent made to put commercial rigs on the market such as the ranchers need to properly put up their hay. The Agent acted as a guide and advisor and equipment was noted on the Dan Lovejoy, Wilbur Drybread and P. H. Young ranches.

Of particular interest to the men was the converted tractor and car which had the gears reversed for the power sweep. The three rake hitch was another item that fascinated the inspectors. This type of standard equipment noted was the back stop and particularly the cage. One of the best types of stackers they were interested in seeing was at the Wilbur Drybread ranch.

These gentlemen had quite a lengthy discussion with Mr. Drybread in regard to haying equipment and they were interested in installing a clutch and motor to pull the hay up the slide and getting away from the use of the stacker team. This could perhaps be operated by the stacker. These men were quite surprised to know the amount of hay that is possible to put up in a day under proper conditions.

They noted that young boys could operate the three rake hitch and in some cases the small power mower. They admired the ranchers for the work that they had done in order to expedite the harvesting of a good hay crop.

A Farmstead Improvement Program sponsored by Radio Station WMAK was inaugurated. Only four persons who live in this county entered. Interesting prizes were given to County winners in Counties that had five competitors. The competition dealt with the work that had been done on the places in the past and will continue for the next three years. On July 7th, the County Committee met in the Agents Office to select Max R. Wobig of Kemel as County Champion. In October, the two judges for Nebraska inspected Mr. Wobig's ranch to witness this County's winner with other places in the state.

There was one yard beautification club with 5 boys and 5 girls enrolled. This club complete 100% and was very active throughout the year. They had some very interesting projects in which the Agent could see a definite improvement in the yard and flower box plantings. Mrs. C. I. Powell of Cody, who is the leader, is a very inspiring leader for this project.

One rope club had 12 members and completed 9. Some very interesting rope boards were in evidence in the County Fair exhibits.

George Bloom, of Nod Lake, sent in samples taken from his water system. He reported that there was sediment which was undesirable in his new water line and he wished to know what could be done to prevent its formation. It was found that the sediment was oxides of manganese and iron, which is in the water in many areas. It was believed that the new pump agitated the oxides within the pipes and appeared in the water as black sediment. It was suggested that a new water line be laid to the house and perhaps a new well put down. Further assistance was offered in testing water supply samples.
NUTRITION AND HEALTH

One Freezer locker demonstration was held with a commercial concern and all home extension women were invited. The subject of the deep freeze was also emphasized and the agent assisted with the demonstration of frozen foods. The local freezer locker plans have a long waiting list for locker space and plans to extend their plant in the future.

On January 9th, Miss May Stanek, Foods and Nutritionist conducted a Leaders Training Meeting on Breakfast a Family Affair. The meeting was attended by 25 persons with all clubs present.

The leaders who attended reported this was one of the most interesting and successful lessons yet received. The morning program dealt with the preparation of cereals and fruits and recommended methods of preparing pancakes. The afternoon lesson included ways to prepare eggs and using the basic 7 chart.

Different phases of satisfying breakfasts were demonstrated stressing the right and wrong preparation for foods.

Children need at least 1 egg a week, eggs cooked at too high a temperature will be tough and leathery, eggs should not be boiled but put into boiling water then kept below boiling temperature till desired consistency, soft, medium or hard.

Several different preparations of eggs was presented also proper cooking of cereals. Appetizing fruit preparations and delicious pancakes served in various ways. Breakfast should furnish 1/4 to 1/3 of the day's needs. Children as well as adults often need tempting to wait the appetite, that the required food content might be absorbed. Experiments show that many children are dull in school because they are under nourished and when properly fed are as mentally alert as other members of the class. Adults also often need to be tempted with appetising foods to acquire the necessary elements to insure good health and vitality.

At the Annual Women's Achievement Day Miss Mabel Doremus conducted an interesting Nutrition and Canning Demonstration. She used a flannel board on which she placed colors representing the energy and vitamins which are necessary in a day's food. From foods taken from the basic seven (which are green and yellow vegetable, 2 citrus fruits, 3 potatoes, and other fruits and vegetables, 1 milk 5 meats and other protein foods, 6 breads, cereals, 7 butter) she showed the amount needed to supply the energy and vitamins necessary for good health.

Miss Doremus canned a jar of spinach as a non acid vegetable in the pressure cooker as the water bath is not hot enough for non acid foods. Rhubarb, an acid food was canned in the water bath. Both were watched carefully and timed.

Sixty-six women attended the meeting and were quite interested in the manner in which the demonstration was conducted. A good many bulletins and questions were answered and taken home with those who attended.

The testing of pressure cooker gauges was quite slow this year as only 11 were tested, however, the home makers know that their gauges may be tested at the Extension Office and appreciate this service.
Although there were no h-ii canning clubs this year, cooking clubs had a very complete food supply at the County Fair and a portion of the window in National Achievement Week was devoted to the h-ii cooking clubs. Over 500 quarts of fruits, vegetable and meats were canned this year by h-ii clubs.

The subject of health was discussed with each h-ii club during the year, however, no county wide program was conducted.

Project Clubs cooperated with the Blue Cross Plan and the Polio Drive. Each of the project clubs put on committee entertainment to assist in a fund raising campaign for polio.

h-ii club member who attended State Club We k received some work on health and farm safety. Only two members carried out a safety program and each won county award medals.

CLOTHING, RECREATION AND COMMUNITY LIFE

Three clothing clubs with 71 member enrolled and 100% finished. There were 21 demonstration teams in some phase of clothing. One demonstration team won the red award at the State Fair on the "Bound Button Hole".

In December, the Agent prepared a letter with enclosed pamphlets to Project Club Presidents. This letter urged them to appoint committees and select a Rural Homemaker for Leadership, Recognition. Seven out of 10 clubs reported their candidate. Miss Drew of the Mengel Club and Mrs. O'Neil of the town club met with the Agent to go over candidates reports and they elected Mrs. Clarence Kellogg, who is the County Chairman, to represent the county for the State recognition award. All club presidents were also later invited to O'Neill.

The O'Neill Chamber of Commerce honored rural women at a recognition program on Monday February 16th in the New American Legion Hall in O'Neill. There were 78 women representing 1500 members of the 105 Home Extension Clubs in the 10 north counties i.e. District IV.

During registration, coffee and rolls were served and the morning was spent in getting acquainted. After a bountiful luncheon, a program of musical numbers was presented by pupils from the public school and St. Mary's Academy under the direction of Mr. George, band leader in both schools.

As the State Extension Director, Miss Florence J. Atwood could not be present, the District supervisor, Mrs. Wm S. Wright, conducted the selection of two rural homemakers who will represent this district at a recognition program in Omaha on March 14th. These chosen were Mrs. Agnes Dodge from Valley County and Mrs. Opal Borg from Holt County.

A charming folk dance by ten little children was very much enjoyed.

Mr. Cecil Means of the Omaha Chamber of Commerce Agriculture Committee closed the program with an appreciation of the rural women of Nebraska.

The entire day was under the direction of H. J. Lohaus, President of the O'Neill Chamber of Commerce, who was a charming host.
Cherry County Women who attended were: Mrs. Clarence Kellogg; Cherry County Chairman; Mrs. Henry Jackson, District Director of Nebraska Council of Home Extension Clubs; Mrs. Otis O'Neill, Valentine; Mrs. Carl Gardiner, Hermiston; Mrs. Clyde Groome, Sparks, Mrs. Chas. Schults, Kilgore; Miss Francis Grewe, Menzel; and Mrs. Jack Galloway, Jr., Kilgore.

Although our representative was not chosen to go to the State Recognition Day in Omaha, Mrs. Henry Jackson, District Representative of the State Council attended the meeting. The following is a report of the meeting.

On March 3rd to 5th, the Agricultural Committee of the Omaha Chamber of Commerce in cooperation with the Agricultural College Extension Services of the University of Nebraska and Iowa State College, gave recognition to the outstanding leadership qualities displayed by farm women of Nebraska and western Iowa through the Rural Homemakers Leadership Recognition Program. Twenty rural women have been elected delegates to receive this recognition tendered through them to all the rural homemakers of the two states. Other guests of the Chamber of Commerce were the Home Agents and the members of the Executive Boards of the Home Extension Councils of Iowa and Nebraska.

At 10:00 we met in the Black Mirror Room of the Hotel Fontenelle where they registered, were interviewed by press and radio, and met members of the Agricultural Committee. The Women's Division acted as hostesses for the delightful coffee hour. Lyle Demoss and the W.O.W. announcers quartette gave a clever program which was especially enjoyed. Seeing them perform helped in understanding how much personality carries over the air waves in unseen programs. Many Omaha merchants had donated door prizes for the honor guests.

A huge bus took all the guests and members of the Women's Committee to the Swift and Company Plant, where Martha Logan gave us an interesting and instructive demonstration, using the quick mix method of making cakes using Swift's meat products, showing the many types of meat products made by the company, and explaining how to make and use garnishes for meats. Martha Logan and her staff test meat products and develop new recipes and ways of using meats. They have a model kitchen in one corner of a large auditorium, and here many demonstrations are given to various groups to interest the people. After the demonstration we were served a buffet luncheon featuring delicious baked ham. The centerpieces on each table were piles of cans of Swift's meat products as favors.

Several tours had been arranged for the afternoon to places of interest. Of course the time was so short that we got merely a glimpse of the wonderful displays, but we did get a better knowledge of the Joslyn Memorial and its uses, and we are eager for another visit to it.

In the evening they went to the Chamber of Commerce dining room in the W.O.W. Building for the recognition banquet. There was a fine program by the Women's Chorus of the Union Pacific Railroad. Ray Ridge, President of the Chamber, gave a brief address of welcome, and Mrs. Max Bebensee, Council Fluffs' farm wife, responded for the homemakers. Mrs. H. C. Houghton of Red Oak, Iowa, First Vice President of the General Federation of Women's Clubs, gave an inspirational talk on the subject of CONGRATULATIONS. She made us all proud to be members of the huge army of rural homemakers. Paul H. Stewart, chairman of the Chamber of Commerce Agricultural Committee, introduced the twenty honor guests and presented awards to them.
Mrs. Henry Jackson, of Valentine, who was the District Representative, from this area, attended the State Home Extension Council in Fremont for a quarterly business meeting.

A report on the National Meeting at Tulsa, Oklahoma in October was given and a leaders recognition program was discussed.

Other business at hand was the sponsoring of a Chinese student, Miss Ping Tsui (Cherry) Huang, from Hong Kong, China, and a years training at the College of Agriculture. Mrs. Jackson, who was attending her last meeting as District Representative was elected for a two year term as Treasurer of the State Council.

The Fair Board Meeting was held on May 6th, at which time the Agent had an appropriation for $650 approved for premiums at the County Fair. The Board also voted to purchase a public address system in cooperation with the Extension Service to be used in Extension Work and the 4-H show at the Annual Achievement Day.

Next the Board moved to improve the washing facilities of 4-H cattle and the purchase of some new scales for the 4-H baby beef sale.

The second County Fair Board Meeting was held on July 7th and the Agent discussed the 4-H club program and the baby beef sale. Quite an interesting discussion was held in converting the person awarding the ribbons on the standard system to the Danish group system. However the Board decided to stay with the Standard System for this year being that the ribbons had already arrived. It was also thought that if the Danish system were incorporated that a big show fund could be raised and given in a form of an award at the County Fair for the top quality calves and exhibitors expenses to go on to the big State and Interstate shows. This would be an incentive for the young exhibitor to carry on our top quality cattle and would act as an advertising and marketing event for the Sandhills. As it stands now the cost of exhibiting is a good deal of time and money that the young 4-H members has to stand and take out of their own expenses while a good many of the cattle producers get the benefit from the advertising afforded. This idea, however, was not approved by our Fair Board as they wanted to stay away from any donation to any 4-H work this year and to the County Fair.

After visiting all 4-H projects, two or three weeks prior to the Fair, and after many weeks or months of prior planning, the County Fair, which was reported to be one of the most successful in years, was held on August 26th, 29th, and 30th. A very cooperative Fair Board was responsible for it's success and although the cost for getting the grounds and buildings in good condition was quite high the net returns were very satisfying. The weather during the fair was extremely hot, however crowds were larger than usual.

The Agent received high praises from many county people and others for the excellent 4-H Show conducted on the 26th. The Weeks program began on Thursday, the 26th, with the way in of Hereford Steers.

Early in the week from August 23rd to the 26th, the new 4-H barn and Cherry County Fair grounds began to fill with choice quality baby beesves and stocker feeders which were raised right in this county.
By Thursday evening there were 90 head of baby beeves, 32 stocker feeders and 3 pure bred breeding heifers. A total of 115 head.

Saturday morning, August 28th, Sid Remac of Tabor, South Dakota judged the l-11 cattle while Bill Derrick placed the sheep, hogs and l-11 colts.

Charles Drybread of the Simeon l-11 club had the Grand Champion Hereford steer bred by Leo Cronin and won the l-11 show champion steer. Jim O’Neil of the Valentine Cloverleaf Club won the Grand Champion Heifer of the l-11 show. Lila Drybread of the Simeon club won the Reserve Champion steer and Donald Tetherow of the Evergreen club had the Reserve Champion Heifer.

Billy Thayer of Wood Lake Rangers had the Grand Champion Angus steer while Betty Mulligan of the Evergreen club had the Reserve Champion Steer. Although Betty is only 9 years old, she also won the Grand Champion Stocker Feeder Steer. Jerry Voss won the Grand Champion Scramble steer and Francis Wragg had the Reserve Champion Scramble steer. In a Stocker Feeder division in a class of nine, Ted Buechle had the Grand Champion Stocker Feeder heifer and Delbert Fullerton, the Reserve Champion Heifer. The Grand Champion Stocker Feeder angus steer was won by Georgia Kreyck. Reserve Champion Stocker Feeder Angus steer was won by Hale Kreyck. Grand Champion Hereford Stocker Feeder steer—Betty Mulligan; Beverly Buck, Reserve Champion Stocker Feeder Steer.

Betty Mulligan won the Grand Champion Stocker Feeder Steer with her Hereford “Johnny” while Georgia Kreyck who had the Grand Champion Angus Stocker Feeder also copped the Reserve Champion Stocker Feeder Steer.

Mr. Remac stated that he would gamble this to be one of the best shows for high quality cattle in the several states in which he will judge this year and said it was comparable to many of the big state and interstate shows in the quality of cattle showed.

Competition was much higher this year than it has been in the past.

The Club Members made a very impressive display in the parade before the grandstand on Sunday and Monday and the downtown parade on Monday morning.

The Valentine Chamber of Commerce gave a very nice picnic to l-11 club members and parents in the city park on Saturday, the 28th. Mr. Derrick, Mr. Kne and the Agent presented a short program.

In September the Agent spent a good deal of time at the State Fair with the l-11 Club Members and with l-11 Projects. Cherry County was quite fortunate in winning a purple ribbon in the remade garment. This was won by Gayleen Scholtes of Kilgore. Of the 12 entries made in clothing we received 3 ribbons, a purple and 2 whites.

A demonstration team from Thedford won the purple ribbon award in Grub Control and are eligible for a Chicago International Livestock Show. Two demonstration teams from Cody did especially well in winning two red awards, one on clothing and the other on Yard Beautification.

Of the 7 head of calves entered at Lincoln, 13 ribbons were brought home. Charles Drybread won a blue and a purple in showmanship and a red on his calf.
Lila Drybread won a blue in showmanship and a blue on her calf. Jim O'Neil won a blue in showmanship and a red on his calf. Billy Thayer placed in the red award group. Don and Doug Tetherow also placed in the red award group and also won a white award in showmanship. Jerry Wrage placed in the white award group.

Four club calves were entered in the Denver Livestock show to be held in January of 1949. This is our first experience at this show.

In October, the County 4-H Awards Committee met in the Agent's office on the 13th to view the record books turned in for the County and State Awards. Those who were chosen by the Committee to receive awards are as follows:
Food Preparation—County Medal—Caleen Scholtes, Kilgore, 1st; Donna Godwin, Cody, 2nd; Janice Nants, Valentine, 3rd; Minifred Ward, Valentine, 4th; Clothing Club County Medal—Alice Faubion of Cody; Meat Animal Livestock, Thomas E. Wilson-Award-County Medal; Donald Peterson of Kilgore; Safeway Store Beef Award County Medal—Gene Stasch, Nensel; Poultry Club County Medal—Janet Anderson, Valentine 1st; Joyce Anderson, Valentine 2nd; Forestry—Janet Anderson of Valentine; 4-H Food Producers all expense Club Week Trip—Don Peterson, Kilgore; Home Beautification County Medal—Lila Drybread; Accident and Fire Prevention; Janet Anderson, Valentine 1st and Joyce Anderson, Valentine, 2nd.

Kila Mollett of Valentine won the Member's Service Medal donated by the Knight of Ak-Jar-Ben to the boy or girl rendering the most outstanding service to the 4-H club movement in their county. This is not based on exhibit or achievement, but service to the 4-H organization, and the committee decided on this girl from the Northside Ramblers Club in Military Precinct.

Competition was keen in the meat animal, beef and clothing projects while in others only a few turned in complete requirements for competition in other projects.

A large crowd of 4-H club members, leaders and parents were present at their annual spring Recognition and Achievement party. Over 150 people witnessed the presentation of the County award medal winners which were presented by County Agent, to the following members:

Leila Scholtes, Kilgore, Cooking Medal and Foley Mill
Gene Stasch, Nensel, Thomas E. Wilson Meat Animal Award
Clara Gwynn, Cody, Home Beautification Medal
Mike Conners, Leila Creager, Chas. And Gene Drybread, all of Valentine
Mike Conners, Gene Stasch and Lila Drybread, Swift and Co. Poultry Awards
Mike Conners, Valentine, Craft Foods dairy production medal
Charles Faubion and Dona Richards, Cody, The Alice-Chalmers Garden Award
Jerry Wrage, Brownlee, Jr. Knights of Ak-Jar-Ben 4-H Service medal
Gayleen Scholtes, Kilgore, Spool Cotton Clothing Award

At the State 4-H Club Week held the first week in June, Lila Drybread won the Safeway Store Trip; Alice Faubion won the Hereford Breeders Award trip, Clara Gwynn, Cecil Andrews and Lila Weber won the Consumers Cooperative trip which was the results of our 4-H building story for the most outstanding State 4-H club project of last year. Therefore, 5 of the 9 member who went to Lincoln received award trips.

The program there for the week was about the same as in the past with the
Public Speaking Contest, group discussions, recreation banquets and a one day tour to Omaha. The Thursday evening mixer was the "New Look" in the 4-H club week as this is the first time it has been permitted and all those who took part in this rural recreation, square dancing and games reported it to be one of the most outstanding parts of the 4-H Club Week. Many are already making plans to attend next year's State Club Week.

At the District 4-H Camp held at Long Pine June 24th-26th, nineteen members and leaders attended. This year the Agents had to take over the operation of the camp. This Agent was in charge of swimming and recreation in addition to the given other duties of a 4-H camp.

An interesting candle lighting service was held on Friday night, as well as everyone listening to the world's heavyweight boxing championship bout.

Throughout the week the spirit was high and everyone took part in the festivities. Stunt night was held for two nights as there were 330 members attending the camp. A recreation mixer was held on Thursday night which everyone enjoyed. Handicraft was very interesting and received the attention of everyone. The 4-H club members who had attended previous camps at Long Pine said this was one of the most interesting and successful camps that had yet been held.

Perhaps this is due to some of the hard work of our District's County Agents.

Ten members and two leaders attended the Chadron State 4-H club summer camp held at Chadron. There was a similar program there. This too was reported to be quite successful. The members who attended were from Cody, Elkhorn and Lincoln 4-H Clubs. This was done to shorten the distance to camps for the 4-H Club members.

On the first day of the month the County 4-H Judging Day and Demonstration Day was held. Mr. K. C. Fouts and the Agent reported the Demonstration and Judging Day one of the most successful ever held in the County and the most successful in this area.

Over 100 persons gathered in the city park at 10:00 A. M. to witness some good quality demonstrations in all phases of projects. In all there were 13 demonstrations given in the morning. Lariat 4-H Club of Cody had the largest in number.

A noon picnic was held at the park and was followed by a Judging Day in all projects. Livestock members judged classes of hogs, fat heifers and horses while Home Economic girls participated in clothing and foods. Four-H leaders also took an active part in the activities.

The purpose of the day was to assist the leaders and member in 4-H demonstra
tions and judging. Mr. Fouts stated that "repetition makes a master" and urged that all 4-H club members work hard throughout the year.

A great deal of value was accomplished at this meeting and quite a few demonstrations teams plan to appear at the County Fair. The success of holding both the demonstrations and judging at the same day will be repeated in years to come. It makes quite a full 4-H Day but the members and leaders like it that way as they have to make only one trip to town.

On Friday, July 2nd two 4-H livestock judging contests were held in the
County. The Siscoon 4-H Club entertained the Brownlee and Evergreen clubs at the Sam McKelvie by the Bay Ranch, south of Valentine. Mr. K. C. Fouts was in charge.

The County Agent conducted another livestock judging contest the same day at the Ed B. Leaky Pioneer Hereford Ranch west of Merriman. The Merriman, Cody and Eli 4-H Clubs took an active part in the meeting.

The purpose of 4-H livestock judging is to get the young boys and girls in club work into a competitive spirit of good selection of breeding quality and type of all livestock and as the years advances Cherry County Boys and girls have excellent chances of becoming some of the top judges on cattle in the state.

A 4-H Leader's Training Meeting on Program Planning and Organization was well attended. Mr. Bill Smith, Assistant State 4-H Club Leader, met with the group and discussed the 4-H Program work Books, how to develop interest in 4-H Clubs and suggested that we would have a subject matter conference next month. Mrs. Leo Mollette gave a report on the January Recognition trip for leaders held at Lincoln. Mr. Smith also worked with the Office Assistant helping to get the files in order.

Mr. K. C. Fouts, Mrs. Dorothy Holstein, Miss Rispah Douglass and Miss Wilkins conducted another leaders training meeting which was opened with the registration and community singing. The leaders were then asked to divide themselves into groups for their respective subject matter training. After lunch the project divisions met in a work shop and leaders discussed methods of judging. A social hour was held at the close of the meeting. Mrs. Wesley Fox was presented with the two year leaders plaque which was not available at the time of 4-H Achievement Day.

The subject matter covered for the day was Meat Animal, clothing, foods and homemaking. It was fortunate that leaders who really needed assistance attended the meeting.

Mrs. Leo Mollett of Valentine and Mrs. Clarence Peterson of Kilgore, who were 4-H leaders in foods and clothing were awarded trips to the State 4-H Leaders three Day Training Meeting, held late in January.

The mornings were spent in general sessions at which time T. T. Martin, Missouri State Club Agent, presented relationships of club members and leaders to their programs and demonstrations. Mrs. Clara Leopold presented the relationship of money to club work. Miss Emme Nelson of the National Committee on Boys and Girls Work told what service that organization could be to Nebraska Club Members. Marvin Hersey of the American Red Cross presented safety and G. H. Davis led in group discussions. Everyone enjoyed the morning song programs with Mrs. Bullis.

Wednesday evening a group of University 4-H Club members presented the subject of records and health in a panel discussion. A Cass County demonstration team, Lila Schlerling and Pats Hendehall presented milk drinks. Thursday evening the entire conference attended a theater party as guests of the Cooper Foundation. The afternoon of each of the three days the groups were divided into subject matter sections according to their particular interest.
The conference was climaxed with a Friday evening banquet at which time two 25 year leaders, Miss Evelyn Wolph of Cass County and Mrs. T. W. Copenhaver of Otoe County were awarded emerald clover certificates and pins and a diamond clover certificate and pin was awarded to Mrs. Irland of Polk County for 20 years of service. Everyone enjoyed the music of the Shrine Changers and were very appreciative of the address given by Chancellor Gustavson.

While the Agent was attending Ak-Sar-Ben the State 4-H club leader and the Agent from Dawson County got together on a plan whereby Dawson County, which won the 1st purple award that was given at the State Fair for a Livestock Demonstration team would relinquish their position and give the trip to Cherry County which had the 2nd purple ribbon award. At first it was thought that Dawson County would maintain the finances which were small for the trip but they also relinquished this small sum for the Cherry County team. It was possible for the Dawson County team to go to Chicago on another trip and that is why they relinquished their demonstration team to compete at the International. Berle and Merle Mercer, identical twins of Cherry County won this award trip. The boys will represent Nebraska against the competition both National and International at the Chicago Livestock International Exposition to be held at the City.

This is indeed an honor for the County to have two such fine young men representing us, as well as Nebraska, at the World's largest International show. These boys from Thedford are in Cherry-Thomas County 4-H Club and live just inside the southern Cherry County border. Ten years ago these boys enrolled in their first 4-H Club and lived and worked in 4-H Club work continuously since 1932. Five years ago they prepared their present demonstration on Livestock Grub Control and have been practicing and improving on it steadily since they gave their first demonstration at a club meeting in 1943. This proves the old adage "That practice makes perfect", and we wish them all kinds of luck.

This will be the twins last year in 4-H Club work as they became 21 years of age sometime after January and at last their dream of a trip to Chicago has become a reality. Some very good publicity was given these boys prior to their departure. Due to some very earnest work by Mr. L. I. Frisbie, State 4-H Club Leader, the boys expenses were handled by the Chicago Northwestern Railway Co. and the National Livestock Loss Prevention Board. The boys won first place in representing Nebraska. This climaxes their 4-H club work with the highest honors that it is possible to bestow upon any 4-H Club member in the nation.

Their demonstration was on the "Control of Cattle Grubs for Livestock Loss Prevention.

These boys won this honor by consistent, diligent work and effort. They begin formulating the demonstration in 1943 and have continued with its improvement until the present day. This has paid them well for their efforts, as they won the State Fair Purple Ribbon Award, thus making them eligible for the Chicago Trip. Thanks to the two donors, they were allowed to stay, not only for the three days of exposition but also for the entire Club Congress in Chicago.

Efforts were started on a Rural Youth Organization early in the year, however, it was April before anything very effective was worked up. Mr. Alexander met with the Agent and a handful of interested young people for the purpose of
discussing organization. Some pretty fair timber was cut that evening and plans were made for a rally with Mr. Alexander in June.

Two rural youth meetings were held in the County in June for the purpose of organization. One was held on the 11th at the Crookston gymnasium. Only 12 people turned out for this organization, so Mr. Ted Alexander conducted some squares and discussed with the Agent and the group the possibilities of what a rural youth organization could do. A tentative date was set for later in the month for another meeting. Originally the meeting was scheduled for the Crookston gymnasium but due to heavy rains and an exposed roof the gym leaked like a sieve, consequently the meeting place had to be changed to the City Hall. Mr. Alexander made final plans with two delegates from this county to attend the Rural Youth Recreation interstate Camp at Kansas City. However, one person was able to make the trip. Ruth Hayward, President, brought home some useful ideas and suggestions for our organization. One the 29th another Rural Youth meeting was held at the Valentine High School. This time it was much more successful as nearly 20 persons attended. Organization was discussed and the following officers were elected. Ruth Hayward, President; Lila Drybread, Vice President; Roberta Lawlis, Secretary-Treasurer; and Jr. Daniels News Reporter.

Other Rural Youth Meetings were held in July, August, September, October and November. The July meeting was largely girls, due to the boys having to work late in the hay fields. Organization was a repetition in August of the previous meeting.

In September, the President, Ruth Hayward, as well as some of the other members were enrolled in Universities, therefore a re-election of officers was held and Lila Drybread was elected President with the same succeeding officers. At this time a Constitution and by-laws were drawn up and dues for active members were paid in.

In the October and November meetings the Agent was not able to attend, due to prior engagements, however the officers and committee men carried out their own program with sponsors and reported these meetings to be the best held, as nearly 40 persons attended each meeting.

Another youth rally is planned for December 25th in conjunction with the L-R Achievement Party. This Rural Youth Organization was excel at promise of opening a new phase of extension work for this county as through this more rural youth and their homes are reached, not only in recreational but in educational projects.

OTHER WORK

The State Director of the Lincoln Friendship Food Train, Chancellor G. C. Gustafson contacted the Agent in regard to the organization of a local committee of civic and other organizations to do their part in a drive for the campaign. The Agent called a meeting on January 21st to organize this committee. Rev. A. M. Lambert, Field Director for the campaign and Val Kuska of the Burlington Railroad were present that evening to discuss the purpose and possibilities of this nation wide food program for the starving countries abroad.

Since few persons did not want to take the full responsibility of this chairmanship, the Assistant Agent volunteered to accept this responsibility if
the County Superintendent would take Co-Chairman. This was agreed and the program for the County was set up.

In February, the local auction company donated their facilities and services for a sale. The 12 head consigned to the sale brought $1425.94. A number of ranchers preferred to donate money rather than cattle at this time of year.

Response to the drive was gratifying although a few of the precinct committeemen failed to function.

The total amount received from the sale and cash donations was $5663.95, which was approximately $11.60 per donor. The State Committee used the money from the Sandhill counties to purchase a carload of low grade canned meat. Five hundred of the 968 cases of this meat was credited to Cherry County leaving $66.94 to apply on shipping charges.

Precincts including the towns which contributed $100 or more are as follows; Loup, $1650.16; Valentine $1218.16; Wood Lake, $305.00; Merriman $242.00; German $262.00; Goose Creek $212.00; Kennedy, $262.00; Kewanee, $184.00; Georgia, $175.00; Cleveland, $130.00; Gillespie, $100.00.

Interest in the eradication of Prairie Dogs and Coyotes developed this month and a coyote meeting is being planned for March.

In October, this county, as well as, all others in the State of Nebraska were asked to take part in a new food train drive called the Goodwill Train. A group of interested people from this county met in the Extension Service Office to appoint Mr. L. E. Brouse and Rev. Wm. Spencer Co-Chairman of the drive; Miss Zetta Tate, Secretary; Bessie Abraham, Treasurer; and R. B. Houghton, Publicity Chairman; This group decided to solicit the county for cash, horse meat and other livestock commodities that could be used abroad. Nutritionists tell us horse meat is just as high in protein and nutritive values as beef and it costs 1/5 less to process horse flesh than it does beef. However, beef was also accepted in the drive.

There was a horse sale at the local auction company. Mr. Bob Carr and A. G. Nollett are encouraging every horse owner to bring an extra horse or mare along to the sale for the Good Will Train. They were staked at the Auction Company. Other collection points along the South highway and the West highway were arranged for the collection of livestock to go on this train.

The Agent, as County Publicity Chairman, for the European relief, Good Will Train, published many news items and cooperated with the drive wherever possible. A goal of five carloads of horses was established and the close of the month, four carloads and a little extra cash was complete. It is planned that the Good Will Train will leave Lincoln on December 10th, and it is hoped that the final goal will be met.

A circular letter was given a wide circulation within a radius of 75 miles of Valentine and was further augmented by news items in the local papers on a coyote Control Meeting held in Valentine the 9th. Although it was a very cold snowy day, 40 ranchers and farmers trenched through the heavy snow to attend the meeting at the Hereford Barn.

Mr. C. A. Sooter, Extension Predator Control man and Tom Turner, District Predator Control Agent met with ranchers and farmers to discuss the coyote menace. Mr. Sooter discussed the various means of coyote control. One was the bounty system, the second was the hiring of a trapper or trappers to do the work. Mr. Turner then discussed the hired trapper proposition and told of how trappers had been
quite successful in other counties in Nebraska and South Dakota. The State Forestry
Game and Park Commission would pay a portion of the trapper's salary and the county
would have to vote or see their commissioners agree to levy a small tax valu-
ation to get them to hire these trappers available through the commission. Mr.
Turner stated that a trapper's mileage, expenses and salary would be around $3000 per
year. If two trappers were hired the cost would be $5000 per year with the Wild
Life Service paying an additional $1000 to the trappers. This would figure that
the commission would pay about two months of the trapper's salary and expenses for
the year. Mr. Turner then demonstrated and discussed the use of poison carcasses
and coyote getters. The use of the coyote getter has certain laws which must be
obeyed. That is the getter must be 1000 yards of an occupied school, 1000 yards
of an inhabited home and not less than 200 yards of any well traveled highways.
Permission must be obtained from the land owners upon whose land the coyote getters
are used. The getter has a barrel firing device, cartridge, trip wire and scented
wool bait. There are certain precautions in its use. However, it has been quite
an effective means of control, by those who attended that it would be better to wait
until more people could attend another meeting to see what could be done toward
employing a trapper. It is hoped that Mr. Turner can meet with the group again
on May 11th at the Annual Extension and Feeder Day, when Chancellor Gustavson of
the University of Nebraska will address the people of Cherry County.

Ten stockmen later paid calls asking for the results of the coyote control
meeting.

The coyote control angel was given some further emphasis at our annual exten-
sion meeting. Tom Turner, representative of the Fish and Wildlife Service gave a
brief outline of Coyote Control methods now in use. Many ranchers would like to
see a definite control program set up in Cherry County.

Throughout the year, news items encouraged farmers and ranchers to treat for
prairie dogs, rats, and gophers. This office has kept on hand poison bait and
bombs for rodent control. An un-estimated number of ranchers were given assistance
with livestock parasites. Forty-four ranchers requested poison bait and information
on prairie dog control.

Fifty-two stockmen wanted help on coyote control, 7 gopher control, 34 grass-
hopper and insect control; mice and rats received the attention of 5.
FEATURE STORY

WORKING TOGETHER—WE WON!

The feature story which was also used partially in last year's annual was again the outstanding story of 1946. It was carried in the National County Agent lead issue in April, the L-H Club magazine, Western Farm Life, The National Hereford Journal, and all State and Interstate papers complete with pictures. The story begins:

The year 1946 was a highlight in the lives of Cherry County, Nebraska, L-H Club members. Not only was their project acclaimed the most outstanding in the state, but they have at least one additional result— a new 60 by 100-foot L-H Club building, which was financed through the efforts of the Club's membership.

Following an all time jump in Club membership in 1946, interested parents and Club leaders felt that the small exhibit building on Cherry County fairgrounds was inadequate. What to do about it, was the problem.

The county fair board voted to erect a new building provided L-H Club members and leaders could raise the money. A building committee was appointed and contractors submitted bids. But the real action took place with the L-H Club members.

The building was to cost nearly $11,000, a lot of money to any of us these days, let alone teen-age youngsters. But even the term of "thousands" didn't dampen their spirit. They set out to win—and did!

Publicity, on the part of the L-H Clubs, brought wide scale interest. The youngsters promoted box and pie socials, dances, card parties, fish ponds, bingo, calf raffles, and any other project which would bring in the necessary funds. They got ranchers to donate calves for their money-making project and other business people to help along the cause.

During April and up to May 15, Cherry county L-H Clubs raised more than $8,000. The Goose Creek Club at Brownlee, Nebraska, raised more than $1,000 from a box social and dance, with the highest box bringing $32. The Simeon Club cleared nearly $1,000 also with a pie social and dance.

Then two club leaders hit upon a scheme which netted the building fund another $6,000. They started a $100 club which 60 Cherry county business men and ranchers joined. A final counting showed that the L-H Clubs had raised more than $11,500. The Northwest Nebraska Hereford Breeders' Association and the Cherry County Fair Board added the additional amount to make the nearly $11,000 building possible.

The building has been erected. It was ready for the 1947 County Fair. As a contribution to better breeding, the county's L-H clubs had 8 calves which went on to the State Fair to take three blue, two red, and four white awards. Ten calves went on to Ak-Jar-Gen and took two blue, three red and two white awards.
The red-tile aluminum-roofed building, with a three-foot square L-H emblem adorning the front of it, stands as more than another structure in Cherry County. To those who worked to achieve, it is a beacon for unified effort and cooperation, both of which are necessary if we are to move ahead in L-H Club achievement.
OUTLOOK AND RECOMMENDATIONS

This past year Extension Activities were on a definite increase. With the labor situation easing slightly there seems to be a fair balance of jobs and help wanted (with haying season an exception). Some people want jobs but it is questionable how many want to work. Naturally their eye is on income. Some step should be taken to distribute available labor where it can be used. Although labor is transferred to U. S. & S. many ranchers will continue calls for help at the Extension Office. It is really an established project in their minds that assists them.

For the third consecutive year, a 4-H Baby Beef Sale was held at the County Fair. It was a very good sale, one of the best that the 4-H Clubbers enjoyed through the year. This was the next day of the Fair. Prices were slightly above market and nearly everyone seemed well satisfied. Parents and 4-H members are finding out that the baby beef's first year was a glorified project for prices received. At present people want another sale next year, but while results are outstanding and very good for this project during the past season in the County, the stocker feeders should be encouraged.

Feeder calf projects are most desirable for this county. It is the best beef producing area in the U. S. and through this 4-H project youngsters can certainly learn more about their own business. As long time planning, a stocker feeder show and sale should be, and will be developed. Encouragement will be given the youngsters to raise quality feeders so as to attract Eastern 4-H buyers through "choice baby beef" material.

Even with high feed costs every kernel of which must be "imported" there are over 75 calves being fed for next years shows. This was not encouraged only in a few cases but it seems hard to get a 4-H member who has raised them before to learn to take our chances on the market to prepare us for the future. The coming year will be "rough" for some of the young feeders.

Extension should be able to render a lot of help in improvement of the farmstead; that is if labor becomes more available. Agents should be well versed on relative value of new equipment and materials arriving on the market. Also when and where items may be obtained.

Although D. D. T. is getting to be routine on a good many farms and ranches, it should be carried on for those ranchers who have yet to realise its value. More interest and educational features through demonstrations will be carried on next year.

Although range management has been good and the range is in good condition, generally speaking, the farmers and ranchers alike should be encouraged to cooperate with the new established Soil Conservation District. An educational and demonstration program will be set up in cooperation with the new District and the Extension Service.

There is much to be done on meadow improvement. They have been seeded with clovers and tame grasses in adapted areas. Past history shows that ranchers cut meadow hay and fed at the edge of the hills. Everything taken from mother earth—nothing returned.
The recent seeding of hay to the meadows edge and feeding back on meadows, or in hills depending on weather, should be encouraged. Livestock windbreaks should be linked with this phase. More—many more are needed.

Greater effort should be made to demonstrate values and practicability of nitrogen-phosphorus fertilizers on range, meadow and crop land.

Plantings of alfalfa for seed production will be encouraged. Some work should be done on controlling the grasshoppers using D.D.T. This pest coupled with dry weather hit the crop hard this fall. Prospects in July were for a bumper crop.

The farmers and ranchers are mostly signed up and interested in R. E. A. and there is promise both in the Cherry-Todd and Ainsworth-Wood Lake Districts for installation next year. R. E. A. would greatly aid the rancher and also home improvement program, and great effort should be made in helping to see that this project receives a good deal of attention.

A new County 4-H Committee is needed to strengthen the County Program and while efforts were made this year for its establishment, it will have to be re-organized this coming year.

Late in the year, the G. I. Instructional Training Program was established and more work must be made to make this a success in cooperation with the U. S. D. A. Council and the Veteran's instructor.

Quite a few ranchers have requested the Agent to see what can be done about getting a veterinary into the county. There is definite need of one to prevent further loss of livestock.

The County Chairman and Presidents of Home Extension Clubs this past year feel there is definite need for the organization of a County Council. One is planned to be organized after the first of next year. This will facilitate further progress with the rural women.

Four-H Club work should be developed further, as well as more Leaders Training in various projects. The 4-H is a good means of contacting people through the Extension Program.

More work is definitely needed on assisting the rural people in the planning of their homes, yards, and buildings in order to make a more enjoyable rural life in America.
In respect to the needs of an Extension Program, the general picture has not changed very much the past year. The long time program remains the same in that there still is much to be done in making the ranch a better place to live.

In making the ranch a better place to live the combination of a productive soil, adapted grasses and crops, coupled with a sound balanced livestock program, wholesome recreation, health, and good housing are essential requirements. Upon their requirements the 1956 extension program will be built.

In the matter of soil, grasses and crops a race has developed between use of adapted new varieties of crops and soil fertility. It is important that the race be kept in a fast heat basis in order that fertility may keep abreast of the heavy demand being made on our soils, due to the enormous drain of plant foods by the constant removal of hay and forage. This calls for replenishment of soil fertility through the use of proper range management so that we may be able to continue to enjoy heavy hay and forage yields and not reach a point of exhaustion when our superior grasses will fail to respond and produce.

The farmer and rancher alike is beginning to realise this important factor and is becoming concerned about our soil fertility as shown by his many requests for adapted grasses and legumes and for information on the use of commercial fertiliser. This means that we must supply the farmer with the latest available information on commercial fertilisers, use of legumes in the increasing of quality hay and the proper management, such as, feeding on the meadows and pasture rotation.

Diseases and parasites as affecting livestock must be continued to be stressed because of the losses that are sustained through these pests. It is doubly important this year because of the need of food conservation.

The retirement of many older men from the ranch and the replacement by younger men presents a wonderful opportunity to train these new men in the practices we feel, should be adopted and used in order that the ranch may become a better place to live. These men some of whom are war veterans are responsive, open minded, and willing to try the new things in farming practices. We must not overlook these men. Working with these G. I. families on a sound farm and home management plan will give the training that will help them in order to put their farms and ranches on a business like productive basis.

The 4-H program fits in well with all the phases of extension work. These are suitable projects for boys and girls in every one of these major projects. Rural youth will also be used in a good extension program. An effort must be made to get these young people together for a wholesome social recreation and to consider civic problems and projects. This is a "must" in our extension program this year.
The health nutrition of the ranch population is always of concern to everyone. Work will be done on rural health through the establishment of hospital insurance, but there is still a great need for educational work to be done in this phase. Then too, there is the ever increasing and changing methods of preparing and preserving foods, school lunches, food production that will need our attention.
1949 PLAN OF WORK—CHERRY COUNTY

Major Projects

I. Livestock Improvement

(A) Breed Improvement
1. Selection of feeders
2. Cull
3. Better Stock
4. Hereford Tour

(B) Winter Rations

(C) Pest Control

(D) Sanitation and Disease Control

(E) Judging and Demonstrations

(F) Type Demonstrations

II. Ranch and Home Improvement

(A) Windbreaks

(B) Interior Improvement

(C) Yard Beautification

(D) Erosion Control

(E) Water and Sewage Systems

(F) Equipment Improvement

III. Crop Production

(A) Weed Control

(B) Hybrid Corn

(C) Insect and Rodent Control

(D) Fertilizer on Grasses and Cereal Crops

(E) Meadow Improvement

IV. Public Problems

(A) Health Program

(B) Fairs and County Achievement

(C) Veterans Program

(D) Better Roads

V. Family Food Problems

(A) Adequate Diet

(B) Gardens

(C) Dairy Produce

(D) Preservation

Phase

Goals

200 ranchers reached

Protein and Mineral Supplement.

350 Ranchers using insecticides

Reduce death loss.

225 h-m Members.

300 persons reached.

150 plantings.

100 homes reached.

1 club, 100 homes reached.

50 farms reached.

15 septic tanks.

100 homes reached.

15 cooperators.

Find adaptable corn.

30 ranchers reached

Determine Sand Hill Value

25 ranchers seeding clover.

150 homes reached

All clubs exhibiting.

a job for each one

under new state plan/

Community Committees

5 cooking clubs

1 club—fresh food in

1000 homes.

Improve market quality

Home canning for

conservation.
<table>
<thead>
<tr>
<th>Methods</th>
<th>No.</th>
<th>When</th>
<th>Who, Where and How</th>
</tr>
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<tbody>
<tr>
<td>I (A) Press Publicity, Circular letters, and bulletins</td>
<td>3</td>
<td>Mar.-June</td>
<td>Agent, make county wide mailings covering cattle hogs and poultry.</td>
</tr>
<tr>
<td>Hold Meetings on selection of Feeders and Culling</td>
<td>2</td>
<td>October</td>
<td>Agent, Specialist Valentine and Merriman.</td>
</tr>
<tr>
<td>Hereford Tour</td>
<td>1</td>
<td>August</td>
<td>Agent and Specialist</td>
</tr>
<tr>
<td>(B) Publicity, Experiment Station results. Present data at different livestock meetings.</td>
<td>3</td>
<td>Dec. Feb. and May</td>
<td>Agent, County Wide mailings and at livestock meetings, Interviews.</td>
</tr>
<tr>
<td>(C) Animal diseases at Rural Health Institute</td>
<td>1</td>
<td>April</td>
<td>Agent, Specialist—County mailings.</td>
</tr>
<tr>
<td>Spraying demonstrations</td>
<td>4</td>
<td>Spring &amp; Fall</td>
<td>By Agent at ranches having power sprayers</td>
</tr>
<tr>
<td>County Wide Publicity, Posters, news and seasonal letters.</td>
<td></td>
<td>Seasonal</td>
<td>By Agent</td>
</tr>
<tr>
<td>Grub Control Demonstration</td>
<td>4</td>
<td>Feb. Mar.</td>
<td>Agent and 4-H Clubs</td>
</tr>
<tr>
<td>Exhibits</td>
<td>2</td>
<td>September</td>
<td>Co. Fair and 4-H Clubs</td>
</tr>
<tr>
<td>Farm Visits</td>
<td>Many</td>
<td>Apr. Oct.</td>
<td>County Wide</td>
</tr>
<tr>
<td>(D) Publicity through press and circular letters</td>
<td>3</td>
<td>Mar.-June</td>
<td>Agent, County Mailings, covering livestock.</td>
</tr>
<tr>
<td>Hold Meetings</td>
<td>1</td>
<td>Jan. or Mar.</td>
<td>Agent, Specialist, Valentine with Flock Owners</td>
</tr>
<tr>
<td>Demonstration</td>
<td>1</td>
<td>Apr.</td>
<td>Livestock Specialist</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>Agent, Specialist, Valentine Purebred Shows</td>
</tr>
<tr>
<td>II (A) Circular Letters</td>
<td>1</td>
<td>Fall or Winter</td>
<td>Agent, to create interest by results of windbreaks, plantings last year, and number of trees.</td>
</tr>
<tr>
<td>4-H Forestry</td>
<td>3</td>
<td>Spring</td>
<td>Agent to organize where there is interest.</td>
</tr>
<tr>
<td>Meeting</td>
<td>2</td>
<td>Mar. Apr.</td>
<td>Agent, specialist at Simeon &amp; Merriman.</td>
</tr>
<tr>
<td>Methods</td>
<td>No.</td>
<td>When</td>
<td>Sho, where and How</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-----</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Result Demonstrations</td>
<td>2</td>
<td>Apr.</td>
<td>Agent, Previous results using tree planter.</td>
</tr>
<tr>
<td>Method Demonstrations</td>
<td>4</td>
<td>Apr.</td>
<td>Agent, use of tree planter</td>
</tr>
<tr>
<td>(B) Demonstrations</td>
<td>2</td>
<td>Jan. Feb.</td>
<td>Agent, Specialist, laundry conveniences, Valentine</td>
</tr>
<tr>
<td>(C) Yard Beautification</td>
<td>1</td>
<td>Fall &amp; Winter</td>
<td>Agent to organize where interest develops.</td>
</tr>
<tr>
<td>Publicity</td>
<td>1</td>
<td>Same</td>
<td>Agent, Create interest, in posters, letters, news items, pictures.</td>
</tr>
<tr>
<td>Ranch Visits</td>
<td>Many</td>
<td>Yr. around</td>
<td>Agent, interest ranch folks by suggestions and pictures of other yards.</td>
</tr>
<tr>
<td>Method</td>
<td>2</td>
<td>Spring</td>
<td>Agent, colored slides where interest develops.</td>
</tr>
<tr>
<td>II (C) Demonstration</td>
<td>2</td>
<td>September</td>
<td>Agent, Specialist, Crookston &amp; Sparks on Subsurface Tillage.</td>
</tr>
<tr>
<td>(E) Demonstrations</td>
<td>2</td>
<td>Fall</td>
<td>Agent, Specialist, one farm, one ranch, Construct septic tank.</td>
</tr>
<tr>
<td>Farm Visits</td>
<td>Many</td>
<td>Yr. Around</td>
<td>Agent, County Wide</td>
</tr>
<tr>
<td>Circular letters and News</td>
<td>4</td>
<td>Seasonal</td>
<td>County wide, yr. around</td>
</tr>
<tr>
<td>(F) Meetings</td>
<td>1</td>
<td>Feb.</td>
<td>Agent, specialist, wiring</td>
</tr>
<tr>
<td>III (A) Method Demonstration</td>
<td>3</td>
<td>May, June</td>
<td>Meeting of R.S.A. develops.</td>
</tr>
<tr>
<td>Result Demonstration</td>
<td>2</td>
<td>Sept.</td>
<td>Agent, 2-I.D applications on North Table.</td>
</tr>
<tr>
<td>Farm Visits</td>
<td>Many</td>
<td>Yr. around</td>
<td>Agent, interest in weed Dist.</td>
</tr>
<tr>
<td>Methods</td>
<td>No.</td>
<td>When</td>
<td>Who, Where and What</td>
</tr>
<tr>
<td>---------</td>
<td>-----</td>
<td>--------</td>
<td>-------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>(B) Result Demonstration</td>
<td>1</td>
<td>Oct.</td>
<td>Agent, at fields raising Hybrid seed corn.</td>
</tr>
<tr>
<td>(C) Demonstrations</td>
<td>2</td>
<td>June, July</td>
<td>Crookston &amp; Military B.C. of. on grasshoppers in alfalfa.</td>
</tr>
<tr>
<td>Demonstrations</td>
<td>1 or 2</td>
<td>Fall &amp; Spring</td>
<td>Agent, Specialist, where interest in rodent control develops.</td>
</tr>
<tr>
<td>(D) Result Demonstration</td>
<td>2</td>
<td>July</td>
<td>Agent, Evergreen Pct. on Grasses, Sparks on cereal crops.</td>
</tr>
<tr>
<td>(E) Publicity</td>
<td></td>
<td>Mar.</td>
<td>Agent, letter to ranchers in wet meadow areas.</td>
</tr>
<tr>
<td>Parm Visits</td>
<td>many</td>
<td>yr around</td>
<td>Tell of other results, ranchers experiences.</td>
</tr>
<tr>
<td>IV (A) Support Health Drives</td>
<td>3</td>
<td>Seasonal</td>
<td>Agent, rural chairman, News &amp; letters.</td>
</tr>
<tr>
<td>Health Institute</td>
<td>2</td>
<td>Jan, Apr.</td>
<td>Agent, specialists work with interested organisations</td>
</tr>
<tr>
<td>Community Fly Control</td>
<td></td>
<td>July, Sept.</td>
<td>Agent, encourage city garbage disposal systems, and DDT around town.</td>
</tr>
<tr>
<td>Demonstration</td>
<td>1</td>
<td>June</td>
<td>Agent, specialist, hold nutrition talks, Blue cross, etc.</td>
</tr>
<tr>
<td>(B) Publicity and Cooperation</td>
<td></td>
<td>yr around</td>
<td>Agent, interest 4-H members in exhibiting at fair, Specialist at County Achievement Day, Judging, and Demon. day.</td>
</tr>
<tr>
<td>(C) Personal letters &amp; contacts</td>
<td>1</td>
<td></td>
<td>Agent, establish on the ranch training. Cooperate with USDA Council.</td>
</tr>
<tr>
<td>Meetings with School Boards</td>
<td>1</td>
<td></td>
<td>Agent, where veterans are interested.</td>
</tr>
<tr>
<td>V (A) Rural School</td>
<td>4</td>
<td>Jan.</td>
<td>Agent, follow up publicity with visits.</td>
</tr>
<tr>
<td>(B) Circular Letters and News Items</td>
<td>1 ea.</td>
<td>Apr.</td>
<td>Agent, to all families in county stressing garden as means of food conservation and health.</td>
</tr>
<tr>
<td>Methods</td>
<td>No.</td>
<td>When</td>
<td>Who, Where and How</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----</td>
<td>----------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>(c) Publicity</td>
<td></td>
<td>Spring</td>
<td>Agent, local press and letters.</td>
</tr>
<tr>
<td>Demonstration</td>
<td>1</td>
<td>May</td>
<td>Agent, Sanitation and Contract a cooling tank on farm.</td>
</tr>
<tr>
<td>(d) Publications on Freezing and Canning</td>
<td>2</td>
<td>July-Aug.</td>
<td>Agent, create interest through meeting with womens clubs.</td>
</tr>
</tbody>
</table>