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## **Annual report of the Bayfield County Agricultural Agent Washburn, Wisconsin: 1940. 1940**

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State  
DEC 16 1940

ANNUAL REPORT  
OF THE  
BAYFIELD COUNTY AGRICULTURAL AGENT  
WASHBURN, WISCONSIN

1940

ANNUAL REPORT OF THE BAYFIELD COUNTY AGRICULTURAL AGENT

The following program of work for Bayfield County was adopted by the County Agricultural Committee for 1940 on November 1, 1939.

<u>Phase of Work</u>	<u>Goals</u>
COUNTY FORESTS	- Administer County Forests as directed by County Forestry Ordinance under the direction of the County Forestry Committee and in cooperation with the Wisconsin Conservation Department.
LIVESTOCK IMPROVEMENT	- Continue work in farm sheep projects and farm poultry projects. Bot's control program. Encourage use of high producing dairy sires.
LAND CLEARING PROJECT	- Direct clearing of additional lands of agricultural quality on the well located farm lands in the County. Administer land-clearing program.
4-H CLUB & HOME ECONOMICS	- Enrollment 300. Achievement 70%. Hold series of Leaders' Conferences. Club Camp. Achievement Days. 4-H Rally Day. Goal 450 Homemakers. Projects as selected by Homemaker Clubs in cooperation with State Department of Home Economics.
AGRICULTURAL CONSERVATION	- Emphasize soil testing management, liming, fertilization, development of new seedings, and farm woodlot improvement under the AAA Program.
OTHER PROJECTS	- Grasshopper control if needed. Personal service. County Fair. Other work as needed or directed by County Agricultural Committee.

COUNTY FORESTS

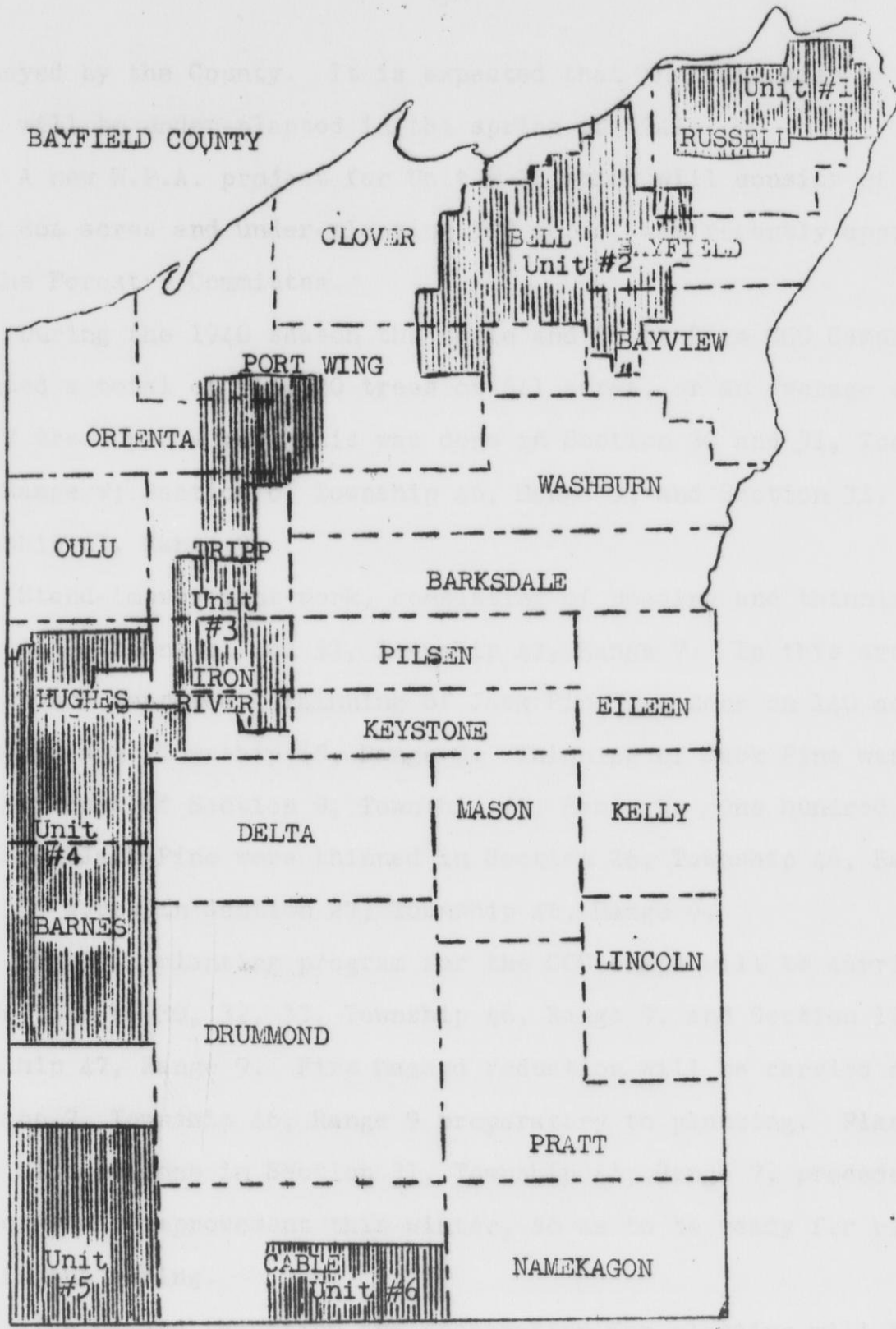
The present County Forest acreage by townships is as follows:

<u>Township</u>	<u>Acreage</u>	<u>Township</u>	<u>Acreage</u>
Barnes	26,881.85	Hughes	15,515.00
Bayfield	26,072.80	Iron River	5,158.81
Bayview	10,988.02	Orienta	4,040.00
Bell	13,872.23	Port Wing	6,557.53
Cable	5,356.33	Russell	5,914.95
Clover	3,753.50	Tripp	5,360.00

Truck Trails and Cultural Work

Since the adoption of building truck trails as a W.P.A. project, a total of 42 miles have been built, which includes clearing, stumping, ditching, grading, and the building of necessary culverts and bridges. Inasmuch as Unit #2, comprising a total of 50,933.05 acres, was practically inaccessible for fire protection or forestry purposes, the building of truck trails has been largely centered in this unit. An additional reason is that most of the merchantable timber ready for marketing was also located in this unit. The work of building these truck trails has been carried on as part of the forestry program for the past few years, and is now near completion. It is felt that, inasmuch as the other units are more or less accessible, that in the future a large portion of the work will be devoted to cultural practices.

During the past year, a thinning project of 320 acres was set up to be under-planted with White and Norway Pine. Seventy-five acres of this was planted last spring as a joint W.P.A. project and labor



Location of Forestry Lands

employed by the County. It is expected that the remainder of this area will be under-planted in the spring of 1941.

A new W.P.A. project for Unit # 2, which will consist of thinning 864 acres and under-planting 300 acres, was recently approved by the Forestry Committee.

During the 1940 season the Brule and Smith Lake CCC Camps planted a total of 914,720 trees on 641 acres, or an average of 1,427 trees per acre. This was done in Section 30 and 31, Township 43, Range 7; Section 6, Township 46, Range 9; and Section 31, Township 47, Range 9.

Stand-improvement work, consisting of weeding and thinning, was done in Sections 31 and 32, Township 43, Range 7. In this area 200 acres were improved. Thinning of Jack Pine was done on 140 acres in Section 4, Township 45, Range 9. Thinning of Jack Pine was done on 130 acres of Section 9, Township 45, Range 9. One hundred thirty acres of Jack Pine were thinned in Section 26, Township 46, Range 9, and 155 acres in Section 27, Township 46, Range 9.

The 1941 planting program for the CCC camps will be carried on in Section 6, 30, 32, 33, Township 46, Range 9, and Section 12, Township 47, Range 9. Fire hazard reduction will be carried on in Section 7, Township 46, Range 9 preparatory to planting. Planting will also be done in Section 31, Township 43, Range 7, preceded by timber-stand improvement this winter, so as to be ready for planting in the spring.

Fire hazard reduction and preparation for planting will be done on all of Section 7, Township 46, Range 9 and parts of Sections 18

and 19, Township 46, Range 9. It is also planned to plant these latter areas in 1942.

In addition to the above, one of the CCC camps is building 7 miles of truck trails in Township 46, Range 9. This is being done to reduce the fire hazard in this area, most of which will be replanted in the near future. The Smith Lake CCC Camp has also improved the old Hayward Road from the County line, north to Section 6, Township 43, Range 9; and this work will be continued until concluded.

#### Survey

In order that any type of work may be done upon forest lands, it is first necessary to know the boundary of such lands. For this reason, survey work has been carried on for the past few years, partly by men employed by the County and partly as a W.P.A. project. Survey work has been finished in Units # 1, # 2, and practically completed in Unit # 3, making a total of 81,717.84 acres completed to date. It is planned to continue the survey work in Units # 4, # 5, and # 6 in the Towns of Hughes, Barnes, and Cable, which it is estimated it will take two years to complete.

#### Timber Sales

During the past year Bayfield County has received a total of \$1,847.00 from timber sales. This does not include several hundred dollars on timber contracts not yet completed. In addition to this, two cooperative timber sales associations were organized - one in the vicinity of Bayfield and Herbster, and the other in the Town of Oulu - whereby members cut and deliver pulpwood or timber to their

## SAWING LUMBER FOR THE TIMBER SALES COOPERATIVE

cooperative which acts as a sales agency for its membership. Since the organization of these cooperatives last spring, one of them has contracted for 250,000 feet of box lumber and a few car loads of pulpwood, while the other has already shipped eight car loads of pulpwood. The main objective in organizing the cooperatives was that pooled cuttings will be more attractive to buyers, which in turn would permit the members to cut and sell more wood products. While these cooperatives are still in their first year of operation,



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livestock. The value of high-producing sires and the care and management of dairy cattle were stressed, pointing the way to increased income through quality livestock, care, and management.

### Loaning of Sires

The policy of loaning high-producing sires from the Dr. Kleinhan's herd of Herbster has been continued. Farmers wishing to increase the efficiency of their herds, though without being able to purchase a high-producing sire, have been able to borrow sires from this herd and will keep them for a period of two to three years. Other farmers have purchased the sires outright



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#### LIVESTOCK IMPROVEMENT

##### Dairy Schools

The one-day Dairy Schools of the previous year were continued, the main points emphasized being livestock diseases, breeding, and feeding. These meetings were very helpful to the dairymen, inasmuch as they gave information on the losses commonly incurred in livestock. The value of high-producing sires and the care and management of dairy cattle were stressed, pointing the way to increased income through quality livestock, care, and management.

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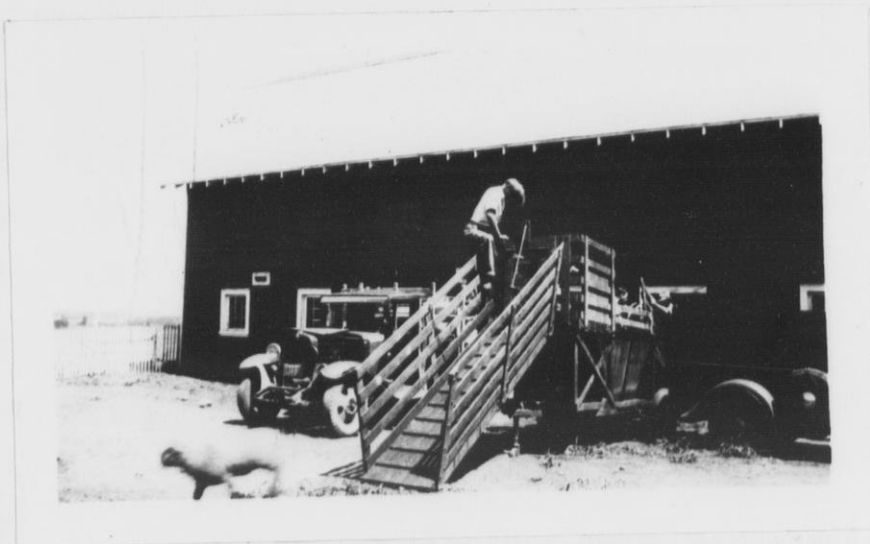
By this means the efficiency of some of the dairy herds in the County will be raised, thereby increasing the net income from these herds. As more sires become available, it is expected that this plan will spread to other sections of the County. In other instances, this office has been able to locate sires for farmers who have purchased them outright or effected an exchange. As the prices of dairy products continue at a moderate level, dairy farmers are beginning to appreciate the efficiency of herds as a factor in increasing the net income from this project.

#### Sheep

Through the cooperation of the Animal Husbandry Department of the College of Agriculture and the Cooper Manufacturing Company, several sheep dipping and drenching demonstrations were held in the County. According to available information, through annual dipping and drenching for the control of ticks and intestinal parasites of sheep, the increase in the amount of wool and the weight of lamb means an additional income of 75¢ per head. A total of 1,031 were dipped and drenched in these demonstrations and the owners have expressed a willingness to cooperate with the County in purchasing a portable tank so that this program can be continued annually. If this can be arranged, practically all the sheep in the County can be dipped and drenched at a moderate cost to the farmer, at the same time increasing the income through the sale of a better quality and heavier fleece, together with an increase in the weight of lambs. The outlook for sheep prices appears to be very favorable for some time to come, and more farmers are going into sheep.

SHEEP DIPPING AND DRENCHING DEMONSTRATIONS

USING PORTABLE OUTFIT



This County is very well adapted to sheep raising and there is room for considerable expansion in this direction.

#### Bot Control

Two meetings were held in the County at which horses were treated for bot control. Inasmuch as this program has been carried on extensively for the past four or five years, it is expected that little will be done on this in the near future.

Likewise, sleeping sickness of horses appears to be well under control and it is doubtful if it will be necessary to arrange for group treatment next year.

#### LAND CLEARING

The Agricultural Committee considers land clearing the most important agricultural project being carried on at the present time. Last year a total of 1,400 acres were cleared which, according to the assessor of incomes, will increase the valuation of such land \$57,750.00. Not only will this project enable the farmer to increase his cultivated acreage resulting in more crops being grown and more livestock maintained, but will materially add to the farm income. The \$47,750.00 increased valuation of farm land was obtained by an expenditure of approximately \$5,000.00 on the part of the farmer, thus indicating that this project is returning much more than the cost of having the land cleared.

This year the two County tractors have been engaged since early spring in land clearing, leveling, ditching, digging basements, and building roads for farmers. Aside from stumping, these

other activities have taken about one-half the time of the tractors, which are making fields more accessible to work, improving the drainage, and in general, increasing the value of these farm lands.

To date the tractors have been engaged in the Towns of Bayfield, Russell, Bayview, Washburn, Barksdale, Eileen, Pilsen, Keystone, Mason, Delta, Drummond, Pratt, Bell, Clover, and Oulu. Work is yet to be done in Tripp and Port Wing. Undoubtedly the land-clearing program will be continued another year on the same scale as for the past two years.

HOME ECONOMICS AND 4-H CLUB WORK  
By Mildred C. Olson, County Home Agent

SUMMARY OF ACHIEVEMENTS AND ACCOMPLISHMENTS

Home Demonstration Club Program

Home Demonstration Council.

Home Demonstration Work with 26 Home Demonstration Clubs.

Clothing Project - 412 enrolled - 74% report improved practices.

Foods Project - 412 enrolled - 79% report improved practices.

Landscape Gardening - 13 Interest-group Meetings and 32 Home calls.

Home Management - 9 request calls made as a result of former  
Kitchen-improvement Meetings.

Community Activities - Arranged Womans' Program at Ashland Junction  
Farm Field Day - 90 women attended.

4-H Club Program

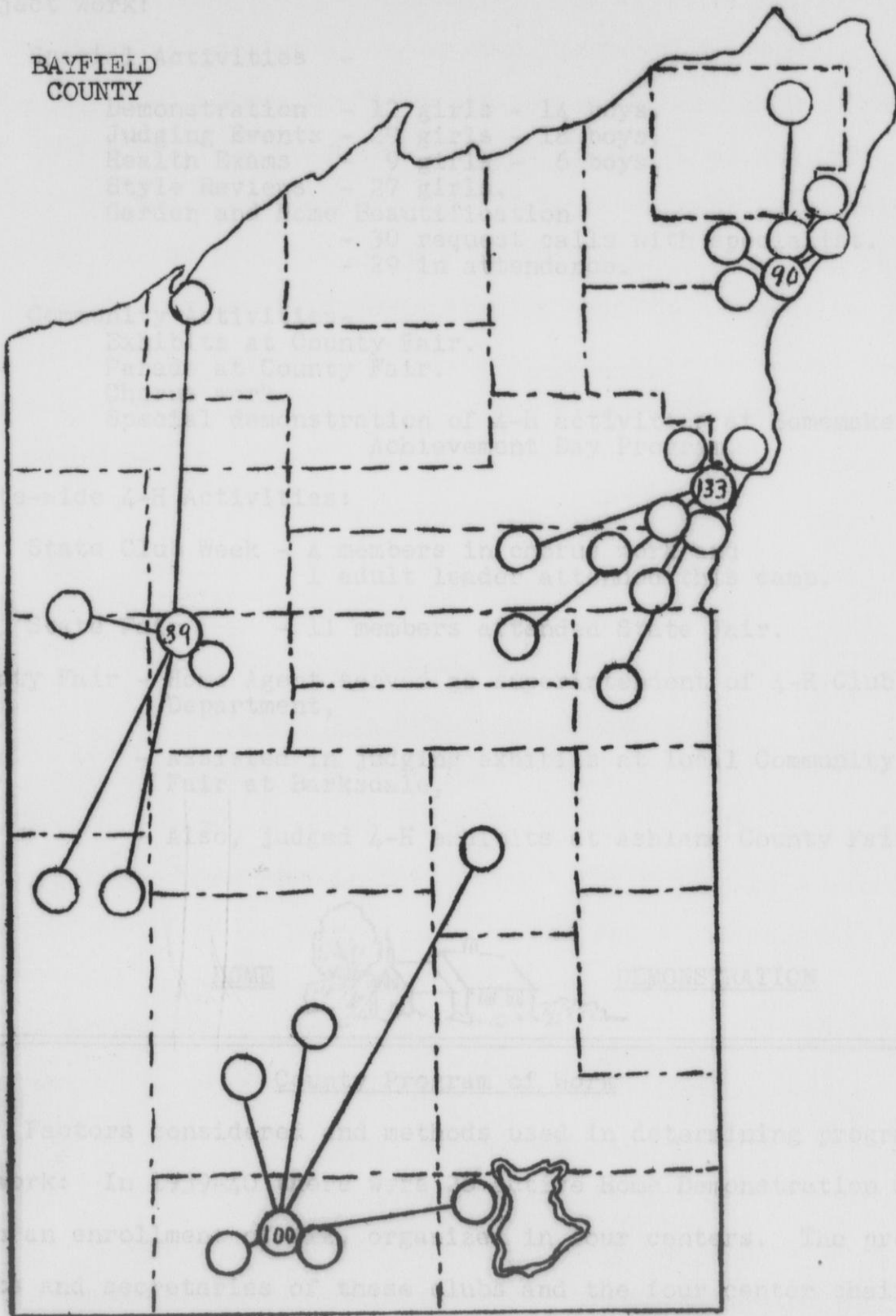
Club Organization - 292 members - 20 clubs - 62% achievement.

Leaders' Organization - 29 adult leaders - 14 junior leaders.

# Bayfield County Homemaker Clubs

Project work:

BAYFIELD COUNTY



- Location of Clubs
- ⊙ Locations of Centers with enrollments

Project Work:

Special Activities -

- Demonstration - 12 girls - 14 boys.
- Judging Events - 29 girls - 18 boys.
- Health Exams - 9 girls - 6 boys.
- Style Reviews - 27 girls.
- Garden and Home Beautification
  - 30 request calls with specialist.
  - 29 in attendance.

Community Activities-

- Exhibits at County Fair.
- Parade at County Fair.
- Chorus work.
- Special demonstration of 4-H activities at Homemakers' Achievement Day Program.

State-wide 4-H Activities:

- State Club Week - 4 members in chorus work and 1 adult leader attended this camp.

- State Fair - 11 members attended State Fair.

County Fair - Home Agent served as superintendent of 4-H Club Department,

- Assisted in judging exhibits at local Community Fair at Barksdale,

- Also, judged 4-H exhibits at Ashland County Fair.

HOME



DEMONSTRATION

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County Program of Work

Factors considered and methods used in determining program of work: In 1939-40 there were 26 active Home Demonstration Clubs with an enrollment of 412, organized in four centers. The presidents and secretaries of these clubs and the four center chairmen

composed the Demonstration Council. In April the Executive Committee, consisting of the four center chairmen, met with the Home Agent to consider needs and desires of Homemakers as learned from questionnaires, conversation, and observation. An outline of subjects was prepared from which Homemakers could select the following years' program. Copies of this outline were sent to all clubs so that members could discuss what they would like to have included this year. In May, club presidents attended the County-wide Planning Meeting and after further discussion voted for the subjects desired. The subjects selected were: "Foods and Nutritions," including Food and Health, and Vegetable Cookery; "Clothing," including Care and Repair of the Sewing Machine, Use of Sewing Machine Attachments, and Achieving the Made-to-order Effect.

### Project Activities and Results

#### Clothing

Bayfield County's major project for 1939-40 was "Clothing." The long-time objectives in this project, as set up by leaders, are: To economize on the clothing budget and still maintain a well dressed appearance for all members of the family, and to improve methods of clothing construction.

Twenty-six clubs were active in the Clothing Project this year. It was our goal to have 60% of the club members clean and repair their sewing machines, and to make it possible for each member to bring discarded and out-moded clothing up to date by using improved methods of construction. Seventy-four percent of



the members enrolled reported a total of 2,073 improved practices. One hundred seventy-six persons outside the clubs were also given information on clothing. Comments indicated that members were very pleased with the information gained at these meetings. Most clubs found it necessary to present the subject matter on "The Use of Sewing Machine Attachments" in two meetings and also "Achieving the Made-to-order Effect" in two meetings.

The three clothing demonstrations were presented at Center Leader Training Meetings by the Specialist and Home Agent, and then at local meetings by the local leaders. The Home Agent presented clothing demonstrations to twelve local clubs in two of the centers. The value of Demonstration Meetings on this project are indicated in the following sample reports.

From one club in the Iron River Center, "Many of the members were surprised that the sewing machine could be taken apart for a thorough cleaning, and at the amount of lint they found collected. We have had a very good attendance at all meetings."

From the Cable Farm Womens' Club reports, "Shortly before I received the sewing machine cleaning lesson I had made arrangements to send my machine head away for cleaning and repair. It would have cost about \$3.00 to \$4.00. After receiving the lesson, I came home and decided to try the magic on my own machine and, lo and behold, when the sewing machine man came back, I told him I had cleaned and made the adjustments on the machine myself, thus saving enough money to buy a set of attachments. After this lesson I also cleaned my vacuum cleaner. I'm sure I would never have

thought I possessed this ability otherwise." the demonstration at  
County Achievement Day exhibits gave a nice reflection of the work  
accomplished. As a result of our program this year, mothers help  
to bring about, among the 4-H Clothing Project members, a clearer  
understanding of the use of the sewing machine, and the use of  
construction processes that help to achieve the made-to-order  
effect. An Achievement Program demonstration on line and design  
by 4-H Club members helped Homemakers realize the type of subject  
matter 4-H Club members gain at their project meetings.

#### Foods and Nutrition

The Foods and Nutrition Project for the past year included  
a meeting on "Food and Health," and one on "Vegetable Cookery."  
The long-time objectives which have been established concerning  
foods work in Bayfield County are - to have better nourished,  
healthier families; to study the many ways to use the home  
produced food supply in wise meal planning; and to set high  
standards in Day's meal planning and simple satisfactory table  
service.

It is our goal to have 80% of the Homemakers enrolled, serve  
enough protective foods for the family's best health, and to have  
70% of the Homemakers report that they eat two vegetables daily  
(either raw or properly cooked). Twenty-four communities were  
active in carrying on this project. Of the members enrolled, 79%  
reported 1,132 improved practices in Foods and Nutrition. Eight  
hundred seventy non-members were given information on material  
stressed this year.

The Specialist and Home Agent presented the demonstration at County Leader Training meetings and the leaders in turn presented the demonstrations at their local club meetings. The Home Agent presented Foods and Nutrition Demonstrations at 14 local club meetings. The quality of posters emphasizing ideas gained in "Food and Health" and "Vegetable Cookery" at County Achievement Programs was truly commendable! There was a strong indication that everyone was Food and Nutrition conscious and thinking in terms of information stressed.

A typical comment as reported by a local leader is, "At our last meeting one member reported that, since meetings on "Food and Health," and "Vegetable Cookery," she serves more vegetables in interesting ways and that she can note an improvement in her young son's appetite and health."

#### Food Preservation

At our Homemaker District Achievement Programs, the new County moving picture machine was used to show a movie on canning, which stressed the techniques involved in the various methods of successful canning. At the Farm Field Day Program, held at the Ashland Junction Experiment Station, a symposium was held on "Vegetable Gardening" and "Food Preservation."

#### Landscape Gardening

Special help was given to those who made requests. The Home Agent and the Landscaping Specialist, Mr. L.G. Holmes, made 32 home calls, three of which were with committee planning groups. Three open meetings were held with a total attendance of 138.

Home Management

Visits by the Specialist and Home Agent were made to the homes of nine individuals who requested help with special problems in building improvement. Most of the requests were results of previous work on "Kitchen Improvement." The Specialist also met with one committee to give help with improvements on a church basement.

Exhibits

Exhibits reflecting the year's achievements were held at two District Achievement Programs. These programs were attended by approximately 325 Homemakers. Three Home Demonstration Clubs had booths at the County Fair this year. These were educational booths showing work done by club members this year.

Plans For Next Year

The suggested next year's plan of work for Home Demonstration Clubs includes three meetings on Family Economics - "Business Methods for Wisconsin Women," "Where There's a Will," and "Making Plans for a Good Living." These last two meetings will be for men and women. This will be an experiment to try out the workability of having joint meetings and the possibility of having more of a "family approach" to problems.

Other meetings included in next year's plan are "Salads," "Good Grooming," and "Reupholstery I & II."

In general, we are working toward the goal of better living for the people of Bayfield County.

Summary of Enrollment as of June 1, 1940

I By Clubs

There are 20 clubs led by 9 men and 20 women adult leaders.

II By Individuals

Boys 127

Girls 163

Total 290

III By Projects

Dairy I-25; II-13, III-2, IV , V-2.

Beef I-3 II-1.

Clothing I-40, II-35, III-12, IV-6, V-6, VI-3.

Colt I-6.

Corn I-3.

Food Preservation (Canning) I-4, II-5.

Foods and Nutrition I-36, II-15, III-19, IV-5.

Forestry I-5, II-10, III IV.

Garden I-35, II-13, III-6. Farm Records 1.

Handicraft I-12, II-7, III-5, IV-2, Special 2.

Small Furnishings 1.

Home Ground Beautification I-2, II-4, III-3.

Home Service 1.

Junior Leaders -- Boys 7, Girls 7.

Pig I-6 II-1. Potato I-6.

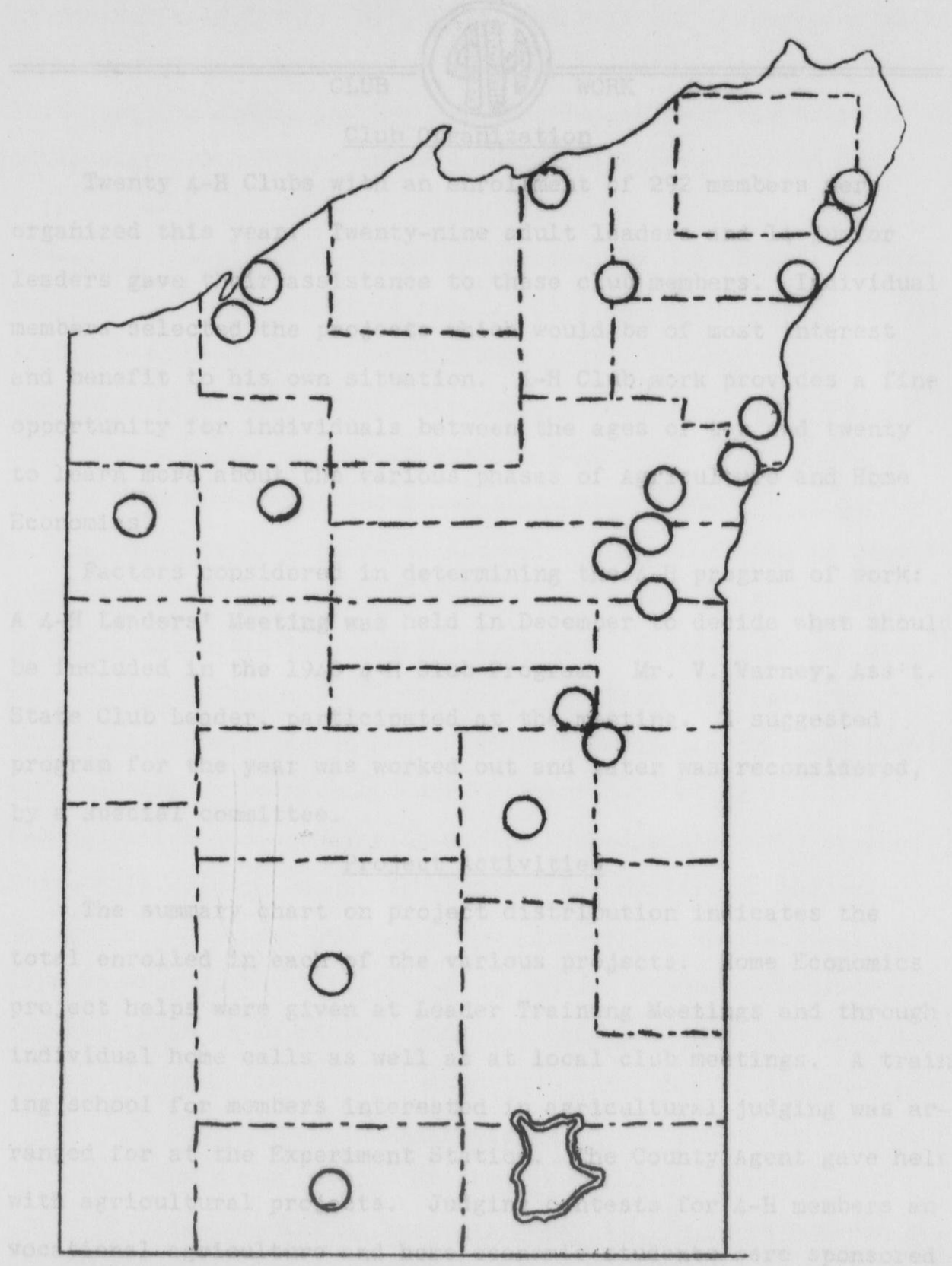
Poultry I-14, II-2, III IV-1. Ducks Geese 2, Turkeys 2.

Sheep I-10, II-2.

Reported by

*Mildred C. Olson*

Bayfield County 4 H Clubs



○ Total Enrollment 290

CLUB  WORK

Club Organization

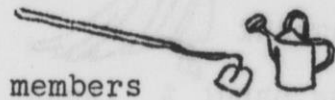
Twenty 4-H Clubs with an enrollment of 292 members were organized this year. Twenty-nine adult leaders and 14 junior leaders gave their assistance to these club members. Individual members selected the projects which would be of most interest and benefit to his own situation. 4-H Club work provides a fine opportunity for individuals between the ages of ten and twenty to learn more about the various phases of Agriculture and Home Economics.

Factors considered in determining the 4-H program of work: A 4-H Leaders' Meeting was held in December to decide what should be included in the 1940 4-H Club Program. Mr. V. Varney, Ass't. State Club Leader, participated at the meeting. A suggested program for the year was worked out and later was reconsidered, by a special committee.

Project Activities

The summary chart on project distribution indicates the total enrolled in each of the various projects. Home Economics project helps were given at Leader Training Meetings and through individual home calls as well as at local club meetings. A training school for members interested in agricultural judging was arranged for at the Experiment Station. The County Agent gave help with agricultural projects. Judging contests for 4-H members and vocational agriculture and home economic students were sponsored

by the Bayfield County Fair. Eighteen boys and thirty-nine girls participated in this contest. A Dairy Judge, Crops Judge, Foods and Nutrition Judge, and two Clothing Judges received trips to the State Fair. Other high-scoring individuals were awarded County Fair prizes.



Individual 4-H Garden and Home Beautification members received special help and were visited by the specialist, O. B. Combs and the Home Agent. Thirty Garden and Home Beautification visits were made.

#### Demonstration Work



A club member who shows and tells about some part of a project, presents a demonstration. This can be done by individuals or by teams. Individuals gain special skills by preparing a demonstration, and the purpose is to teach others quickly how a thing is done. A demonstration contest was sponsored by the County Fair. Eleven Home Economics Demonstrations and fourteen Agricultural Demonstrations were presented. One Agricultural Demonstration and one Home Economics Demonstration were awarded State Fair trips. Other high-ranking demonstrations received County Fair prizes. One 4-H group presented a special demonstration showing club activities at the annual Homemaker Achievement Program given at Bayfield. This was very well done and gave Homemakers a more definite idea about the activities of 4-H Club groups.

#### Style Review

At a style review held at the 4-H Rally Day Program, Doris Ekholm, a member of the Snappy-Six 4-H Club was awarded a



free trip to the State Fair at Milwaukee. Thirty-seven girls participated in the Bayfield County Style Review.



### Music

Club members were encouraged to learn the 4-H Club songs emphasized this year. Fourteen were interested in competing to win a trip to State Club Week. A judge was selected to score the individuals. The four high-ranking members attended State 4-H Club Week at Madison. There they sang in the All-State Chorus. Tryouts were held at Madison and two Bayfield County representatives, namely, Franklin Nelson of the Port Wing Boys' 4-H Club and Gertrude Johnson of the Mason Sunshine Sisters were selected to receive trips to the State Fair at Milwaukee.

### 4-H Camp

Twenty-nine 4-H members and leaders attended the three-day 4-H Camp held at Lake Gogebic in August. A varied program provided interesting activities for the time spent there.

Nine girls and six boys had free health exams while at camp.

### Exhibits



Club members exhibited project work at the County Fair, at Homemaker Achievement Programs, at P.T.A. Meetings, and at their own homes.

A 4-H Club Parade was held at the County Fair this year. Club groups marched in front of the grandstand with members showing an example of project work done.

Four Chorus Club members and one adult leader attended State 4-H Club Week, a truly inspirational gathering of 4-H folks.

Eleven 4-H Club members won trips to State Fair as a result of participating in County-wide events.

#### Outlook and Recommendations

It is the aim of the Home Agent to continue to encourage interested groups in new localities to find capable leadership and to participate in learning through 4-H project work. It is her aim also to help local leaders through home visits and meetings and to give help to each club group, particularly on planning programs for the year.

#### AGRICULTURAL CONSERVATION

During the past year, approximately 1,000 samples of soil were tested from 208 farms in the County. About 90% of the samples tested indicated the need of lime, phosphate, and potash, so that maximum crops can be grown. The 1940 Agricultural Conservation Program provided benefit payments for the application of lime and phosphate, and farmers in the County took advantage of the program to the extent of applying 109 tons of lime and 6,365 pounds of phosphate fertilizer. This program, administered by a County Committee of three farmers, has been of great assistance in increasing the alfalfa acreage within the County and improving the production of other crops. Farmers are also able to earn benefit payments by woodlot improvement practices. For the year 1940, 77% of the farmers within the County participated in the AAA Program by carrying out one or more of the above practices,

and in the aggregate amount of \$38,227.00 in benefit payments. Due to the success of the program, the program is gradually becoming more beneficial to farmers in this area.

FERTILIZER PLOTS



Farm of Oscar Weiss  
Town of Lincoln

Farm of Andrew Mihalak  
Town of Pilsen

Information relative to proposed amendments to the zoning ordinance as it affects the land classification in each town. The respective town boards, were adopted by the County Board. In each case, the land-use restrictions were removed so that the land in question could be used for agricultural purposes.

Crops

In an effort to determine soil requirements, nine fertilizer

and in the aggregate earned a total of \$38,520.00 in benefit payments. Due to the efforts of the County AAA Committee, the Program is gradually becoming more beneficial to farmers in this area.

#### OTHER PROJECTS

##### County Fair

By provision of the County Board, the Agricultural Committee supervised the holding of a County Fair again this year. The attendance and exhibits outnumbered that of last year. A total of \$1,750.55 in premium money was paid to exhibitors in the County, approximately half of this amount going to junior exhibitors such as 4-H Club, Future Farmers of America, and Home Economics groups. There was a noticeable increase in the number of livestock exhibited, particularly among the 4-H members.

##### Zoning

The Agricultural and Forestry Committee functioning as a Zoning Committee, held two hearings, one in the Town of Drummond, and the other in the Town of Cable, for the purpose of securing information relative to proposed amendments to the Zoning Ordinance as it affected the land classification in each town. The recommendations of the Zoning Committee, with the approval of the respective town boards, were adopted by the County Board. In each case, the land-use restrictions were removed so that the land in question could be used for agricultural purposes.

##### Crops

In an effort to determine soil requirements, nine fertilizer

FERTILIZER ON CORN

F.F.A. Project - Vernon Horne, teacher

Farm of John Liska, Town of Pilsen



Center row unfertilized -  
note the difference.

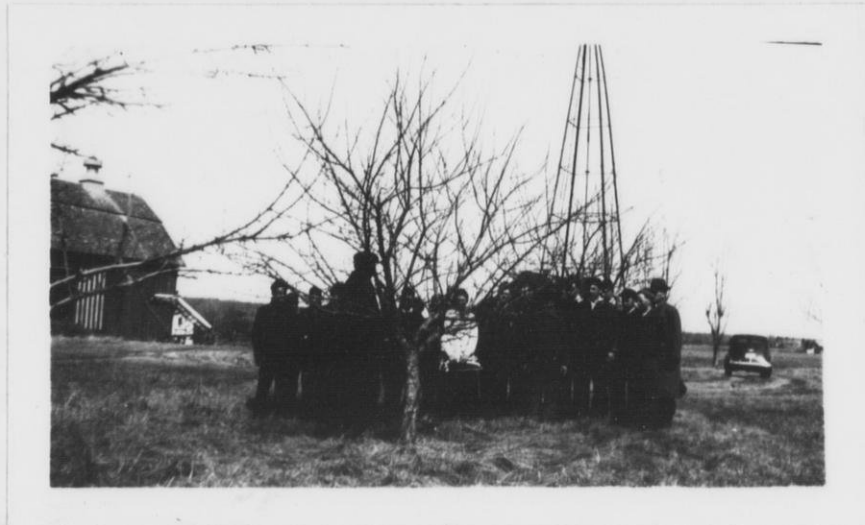
test plots were established on as many different farms within the County. Having first been tested for fertilizer requirements, the proper fertilizer was applied on test plots showed to grain and seeded to either alfalfa or clover. At harvest time, sample squares were taken from both the fertilized and unfertilized areas and a comparison made of the respective yields. The data obtained thus far indicates that an increase in thrashed grain was secured by the use of fertilizer, although in some instances the increase in grain would not compensate for the fertilizer used. However, since there is considerable residual effect of the fertilizer on succeeding crops, complete data cannot be obtained until next year's crop of hay is harvested and compared with that on the unfertilized areas. A further report will be made on this next year.

#### Fruits

Under a special appropriation of the state legislature, two years research work in small fruits was completed, supervised by the College of Agriculture. A study was made of the adaptability of strawberry varieties, fertilizers, mulch, and other cultural practices. The information obtained thus far has been brought to the attention of interested fruit growers by means of trips and meetings. The work is being continued on fruits and also some truck crops.

The severe drought of 1933 and 1934 reduced the acreage of small fruits, but this acreage is again on the increase. Farmers in the fruit area find this a means of cash income, but many are

TREE PRUNING DEMONSTRATION



Before



After

expanding to include other farm projects so as to have a diversified income. The land-clearing project in the fruit area is gradually increasing the acreage of these farms so that they may grow a few crops for livestock. Generally speaking, an increased acreage of small fruits per farm is not needed as much as an increased acreage of hay and grain so as to permit more livestock being kept thus balancing the farm income.

Two orchard pruning demonstrations were given during the year. While the commercial orchard growers are now quite definitely carrying on a program of pruning, spraying, and fertilization to improve the quality and marketability of their crops, an effort is being made in other areas to increase the supply of palatable fruits for home consumption.

LIVESTOCK IMPROVEMENT: Continue work in sheep projects. Work out program of dipping and drenching if County dipping tank is made available. Continue farm poultry projects. Encourage use of high-producing dairy cows.

OTHER PROJECTS: Personal service as needed. Assistance to County Fair Committee. Other work as approved by County Agricultural Committee. Small fruit production work as developed.

AGRICULTURAL CONSERVATION: - liming - of new seedings and farm woodlot improvement under the AAA.

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The Agricultural and Forestry Committee has outlined the following program of work for 1941:

COUNTY FORESTS

Administer County Forests as directed by the County Forest Ordinance and under the direction of County Forestry Committee and in cooperation with Wisconsin Conservation Department.

LAND-USE PLANNING

Proceed with land-use planning program as approved by County Agricultural Committee on July 1, 1940.

LAND CLEARING

Direct clearing of additional agricultural lands. Administer land-clearing program and management of men, machines, and equipment.

4-H CLUB &  
HOME ECONOMICS

Enrollment 300 - Achievement 70%. Hold Leaders' Conference, Club Camp, Achievement and 4-H Rally Day. Homemakers' goal - 450 members. Develop projects as selected by Homemakers' Clubs in cooperation with State Department of Home Economics.

LIVESTOCK  
IMPROVEMENT

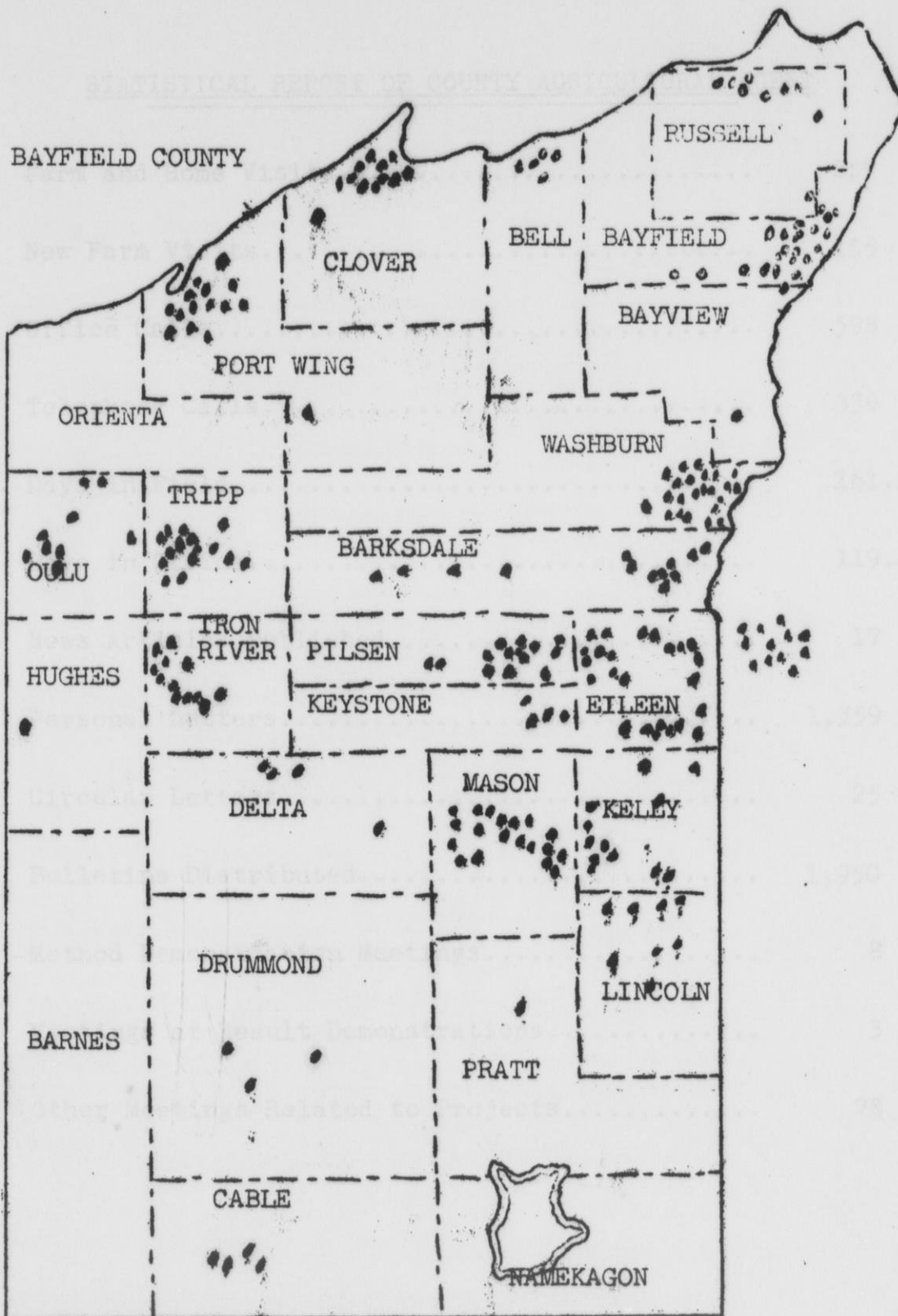
Continue work in sheep projects. Work out program of dipping and drenching if County dipping tank is made available. Continue farm poultry projects. Encourage use of high-producing dairy sires.

OTHER PROJECTS

Personal service as needed. Assistance to County Fair Committee. Other work as approved by County Agricultural Committee. Small fruit production work as developed.

AGRICULTURAL  
CONSERVATION

Emphasize soil testing - liming - fertilization - development of new seedings - and farm woodlot improvement under the AAA.



FARM VISITS MADE DURING THE YEAR

STATISTICAL REPORT OF COUNTY AGRICULTURAL AGENT

Farm and Home Visits.....	259
New Farm Visits.....	155
Office Calls.....	598
Telephone Calls.....	336
Days in Field.....	161.4
Days in Office.....	119.6
News Articles Published.....	17
Personal Letters.....	1,359
Circular Letters.....	25
Bulletins Distributed.....	1,950
Method Demonstration Meetings.....	8
Meetings at Result Demonstrations.....	3
Other Meetings Related to Projects.....	78

STATISTICAL REPORT OF COUNTY HOME AGENT

Farm and Home Visits.....	264
Office Calls.....	160
Telephone Calls.....	190
Days in Field.....	124
Days in Office.....	141
News Articles Published.....	12
Personal Letters.....	616
Circular Letters.....	21
Bulletins Distributed.....	4,050
Meetings Held.....	63
People Attending These Meetings.....	1,813

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In gathering background material for land use planning in Bayfield County, a great deal of emphasis is being placed on the forest crop lands, federal forest units and zoning. Up-to-date and accurate maps of each are being made. Since Bayfield County enacted their Zoning Ordinance in 1934, they have made many amendments to the ordinance. Records of these amendments have never been brought together to get the present status of the ordinance. This is being done and is being given to the Register of Deeds for their records. The list of the nonconforming users in the zoned areas is also not up-to-date. I am listing them according to townships and will correct them in the land use planning community committee meetings.

*John R. Reedal*  
John R. Reedal, Ass't Agr'l Agent