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TO THE HONORABLE BOARD OF
SUPERVISORS OF WAUPACA COUNTY:

Gentlemen:

On the following pages you will find a report of the County Agent's office, covering the period from November 1, 1938, to November 1, 1939.

The following are a few of the statistics showing activities of the County Agent's office.

344 - Number of meetings
10,061 - Attendance at these meetings
55,043 - Circular letters sent out
3,465 - Personal letters sent out
8,928 - Persons called at the office

Respectfully submitted,

VICTOR H. QUICK
Waupaca Co. Agr'l Agent

AGRICULTURAL COMMITTEE

L. W. Eastling, Manawa, Chairman
Wm. Brandenburg, Marion Wm. A. Kramer, Fromont
Fred B. Larson, Weyauwega Carl Bacher, Waupaca

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

4-H Club

GOALS

1. 500 Members -- 33 Clubs.
2. Leadership Training Meetings.
3. Cooperate with Fairs.
4. Achievement Day.

COMPLETED WORK

4-H Program

- 445 club members enrolled in 1939.
- 33 clubs organized.
- 54 voluntary local leaders secured to help with club work.
- 159 meetings held by 4-H clubs.
- 23 demonstrations were developed and took part in the County 4-H Demonstration Contest.
- A County 4-H Dairy Crops and Poultry Judging Contest was held and a team for each was selected to compete in the State Contest at the State Fair.
- A County 4-H Picnic was held at Scandinavia with an attendance of 350 persons.
- 16 4-H girls competed in the County Dairy Queen Contest.
- 2200 4-H exhibits were displayed at the County Fair.
- A County-wide Achievement Day was held at Manawa.

Livestock Improvement

GOALS

1. Strive for four DHIA's.
2. Better Bull Program.

COMPLETED WORK

Herd Improvement

- Reorganized two Herd Improvement Associations.
- Third Association in the process of being formed.

Better Bull Program

- Placed 119 bulls through the Testing Associations.

Crop Improvement

GOALS

1. Potato Work.
2. Obtain seed with cooperation of dealers.
3. Alfalfa Promotion.
4. Weed Control Program.

COMPLETED WORK

Potato Work

- Obtained seed stock from Michigan & Experiment Station at Sppener.
- Potato field plot trials were run.
- Held one Potato Tour.

Weed Control Program

- A district meeting of 12 counties was held to map out a Weed Control Program.

Soil Improvement

GOALS

1. County Lime Program.
2. County-wide Soil Testing Service.
3. Fertilizer Plots.
4. Soil Erosion Demonstration.
5. Shelterbelts & Windbreaks.

COMPLETED WORK

Lime Program

- 4300 tons of lime were distributed to Waupaca County farmers.

Soil Testing

- 900 samples of soil were tested in the County Agent's office.

Fertilization Experiments

- 2700 pounds of phosphate and potash were used to run tests.
- Pastures were staked out and fertilizer applied.

Soil Erosion Demonstration

- Demonstration farm was set up in the town of Scandinavia.
- Plans are underway for another demonstration farm in Wyoming.

Shelterbelts & Windbreaks

- 220,000 trees were distributed.

Agricultural Conservation

GOALS

1. Educational work.
2. Act as secretary.

COMPLETED WORK

- 3167 farmers cooperated in 1938.
- 3391 are cooperating in 1939.
- \$198,251.05 net payment on the 1938 program.
- \$200,000.00 is the estimated payment on the 1939 program.

Miscellaneous

Grasshopper Control

- Assistance was given town chairmen in setting up the necessary organization to make grasshopper bait available.
- Four township grasshopper bait mixing stations were organized.

Hybrid Seed Corn

- Six hybrid seed growers in Waupaca County.
- Foundation stock seed is obtained from our State Experiment Stations.
- 250 bushels of seed were produced and sold locally.

Fruit Program

- Four fruit schools were held in Waupaca County.
- Eighteen meetings were held in the county.

Home Economics

- Nine communities in Waupaca County have organized home-makers groups.

Shipping Associations

- There are 7 cooperative organizations shipping livestock to Green Bay and Milwaukee.

Marketing Meetings

- Two meetings were held on the production of quality butter, cheese and milk.
- A special meeting for directors of cooperatives was held at Waupaca.

Farm Institutes

- Three institutes were held at Clintonville, Wausau and Scandinavia with an attendance of 600.

A N N U A L R E P O R T

Waupaca County Agricultural Agent

1939

WAUPACA COUNTY'S FARM PROBLEMS

There are many farm problems but we can list them under nine heads. They are as follows: (I believe that Problem 1 heads the list in that it is the most important)

HOW TO MEET CHANGING SITUATIONS TO FIT NEEDS OF THE TIMES. Under this head we must consider the following:

1. Frontiers have been closed to further farm expansion.
2. Loss of foreign markets has multiplied our surplus problems.
3. The rapid change of man and animal power to machine agriculture.
4. The shrinkage of city opportunities for surplus farm population.
5. Surplus city population that has moved into rural areas.

PROBLEM 2 BECOMES SOIL DEPLETION THROUGH a. Water Erosion b. Wind Erosion c. Fertility removed through marketing crops and livestock products.

For example, where the land has some slope experiments carried on by our Wisconsin College of Agriculture, show that 90 tons of soil may be washed off per acre in one rain storm on a 16% unprotected slope. The wind has caused many light sandy areas to look like sand dunes.

A clear picture can perhaps be obtained by the using of a 20 cow herd producing 4000 pounds milk annually during the pasture period. This would remove in 30 years $26\frac{1}{2}$ tons of 20% ammonia sulphate, $9\frac{1}{2}$ tons of 20% super phosphate and 3 tons of lime in the form of milk which is sold from this farm. In addition, this 20 cow herd would remove $4\frac{1}{2}$ tons of 50% potash. This is not all because the grass becomes thinner and more scarce, weeds creep in, and less water holding capacity is the result. The top soil becomes merely a vegetative skeleton. This, in my estimation, is Problem 2 in Waupaca County.

PROBLEM 3--MARKETING PROBLEMS (Surplus Milk, Surplus Potatoes and Surplus Livestock)

(Waupaca County's Farm Problems, Cont'd)

PROBLEM 4--PLANT DISEASES (Most important of which are the potato diseases, grain diseases, forage diseases, such as alfalfa wilt, etc.)

PROBLEM 5--SOCIAL PROBLEMS (Under which we list crime, delinquent children and old age help.)

PROBLEM 6--EDUCATIONAL PROBLEMS (Low attendance of rural pupils in high schools, lack of adult education, and the lack of adequate facilities to disseminate new farm facts.)

PROBLEM 7--LIVESTOCK DISEASES (Under which we put foremost cattle diseases, Bang's and T.B., then horse diseases, hog diseases, poultry diseases, and sheep diseases. Livestock diseases take from 5 to 10% of the value of our livestock in some seasons.)

PROBLEM 8--JOB PROBLEM (This problem is tied closely to agriculture. We have little available work for men and our boys and girls who graduate from our schools challenge the thinking of every Waupaca County resident.)

PROBLEM 9--FARM CREDIT (Short time loans and long time loans. These have a bearing on farm tenancy and farm ownership.)

Other minor problems can be listed under the nine big problem headings. Realizing that these problems are real, we need a planned farm program. We, in Waupaca County, are co-operating with the State Agriculture College and the U. S. Department of Agriculture in working out solutions to these knotty problems.

Our County Agricultural Committee has set up goals which fit closely into our farm problems. The goals of 1939 were as follows and below them are the goals for 1940.

1939 GOALS

<u>Phase of Work</u>	<u>Goals</u>
4-H Club.....	500 Members - 33 Clubs. Leadership training meetings. Cooperate with Fairs.
Livestock Development.....	Strive for 4 DHIA's. Place 50 good bulls.
Crop Improvement.....	Potatoes--Obtain seed with cooperation of dealers. Legumes--Promotion of alfalfa.
Soil Improvement.....	County Lime Program. County-wide soil testing service. Fertilizer plots on potatoes.
Wind Erosion & Water Erosion...	300,000 trees. Shelterbelts, Windbreaks and Snowfences.
A.A.A.....	Educational work. Act as secretary.

1940 GOALS

<u>Phase of Work</u>	<u>Goals</u>
4-H Club.....	35 Clubs - 500 Members - One Demonstration Team for each club. Cooperate with Fairs. Spend 30% of the time.
Livestock Development.....	Strive for 4 DHIA's. Place 50 bulls. Encourage Sheep Production. Spend 18% of the time.
Crop Improvement.....	Better Potato Seed Program. Potato Plots and Tour. Promotion of alfalfa and legumes. Spend 12% of the time.
Soil Improvement.....	County Lime Program. Soil Tests. Fertilizer Plots. Spend 12% of the time.
Wind Erosion & Water Erosion...	Shelterbelts, Windbreaks, Snowfences - 300,000 trees. Two water erosion demonstration farms. Spend 3% of the time.
A.A.A.....	Educational work. Act as secretary. Spend 10% of the time.
<u>Minors (15% time)</u>	
Poultry Educational Meetings	Weed Control
Fruit Improvement	Home Economics
Insect Pest Control	Fur Farming
	County Statistical Analysis



MOTTO - "MAKE THE BEST BETTER"

Nine leaders' meetings were held during the past club year. State club leaders assisted the County Agent and topics were as follows:

Wakelin McNeel - Handicraft	Charlotte Clark - Foods & Nutrition
Verne Varney - Recreation & Games	Ellen Carlson - Clothing
Dan Vornholt - 4-H Music	Wakelin McNeel - Jr. Forestry
T. L. Bewick - Planning Program	Verne Varney - Handicraft
Dave Nusbaum - Dairy Demonstration	

Club leaders were able to obtain instructions in these various phases of 4-H club work.

Judging contests were held for the boys and girls. Waupaca County was represented at the State Fair by teams in Foods & Nutrition, Clothing, Canning, Crops Judging and Livestock Judging. Eighty boys and girls competed in judging contests and twenty-three demonstration teams competed at our County Contest.

A Dairy Queen Contest was held with 16 entries. We sent our dairy queen representative to the State Fair and also took part in the Dairy Parade at our Waupaca County Fair.

At our Achievement Day, Miss Rowntree of our State Club Department, reviewed 25 years of extension work. Ten clubs of the thirty-two had a 100% achievement which was exceptionally good.

As we depend upon voluntary leaders for carrying 4-H activities, too much credit cannot be given this group of people who sacrifice time and money in aiding our rural youth organizations. Four townships in Waupaca County do not have organized clubs. We are making an effort in 1940 to have a 4-H club organization in each town.

4-H Club Goals for 1940 are:

1. 35 active clubs with a membership of 500
2. A 4-H club in every township
3. A drive for more local leaders
4. To have each club put on one demonstration
5. Planning meetings with each club
6. Larger attendance at our State Club Camp
7. Enter members in more State Fair events

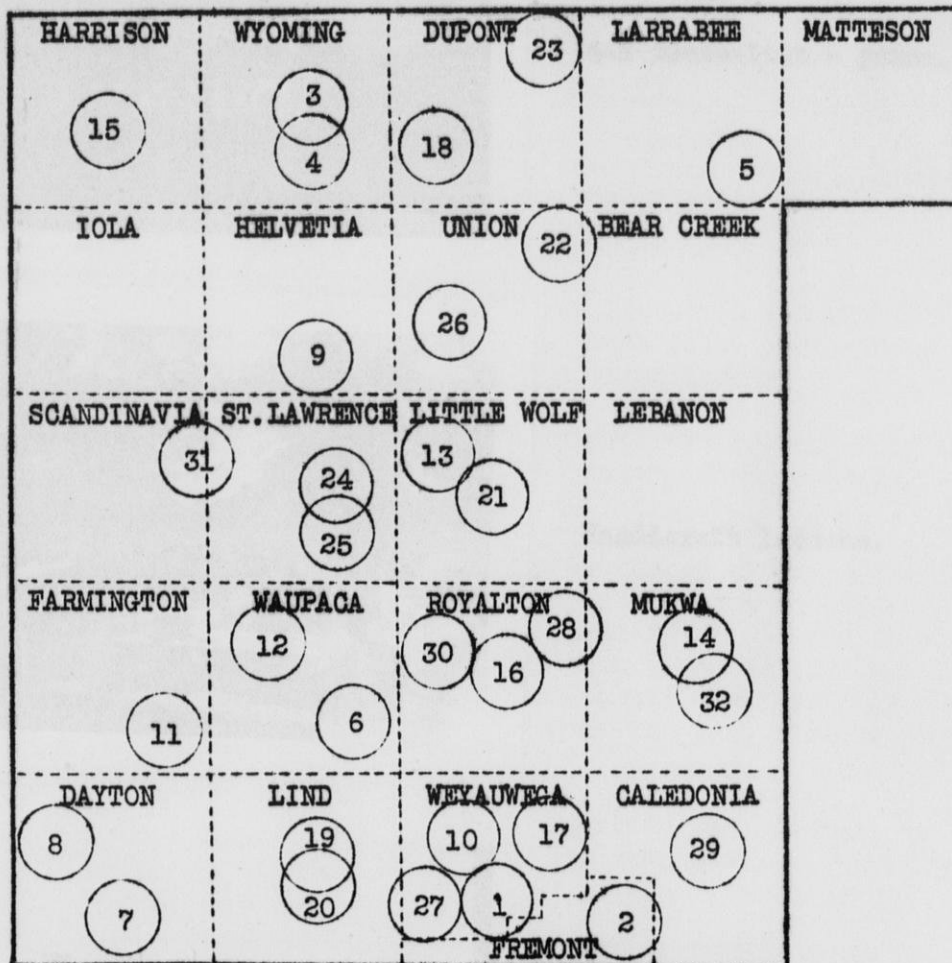
Club activities in 1939 were:

445 members -- 32 clubs
54 leaders
2200 exhibits made at the County Fair
\$1219.82 total 4-H premiums won at the County Fair
350 attended the Scandinavia One-Day Camp
250 attended Achievement Day

1939 4-H PROJECT ENROLLMENTS

<u>Project</u>	<u>No. Enrolled</u>
Bees.....	2
Canning.....	32
Clothing.....	137
Colt.....	6
Corn.....	23
Dairy Calf.....	64
Farm Records.....	3
Foods & Nutrition.....	83
Forestry.....	20
Fruit.....	2
Garden.....	88
Grain.....	3
Handicraft.....	73
Home Grounds Beautification.....	3
Home Improvement.....	5
Home Service.....	2
Junior Leader.....	16
Pig.....	26
Potatoes.....	38
Poultry.....	29
Rural Electrification.....	4
Sheep.....	19
Wild Life Management.....	<u>31</u>
TOTAL.....	709

LOCATION OF 4-H CLUBS



<u>Name of Club</u>	<u>Enrollment</u>	<u>Name of Club</u>	<u>Enrollment</u>
1. Acorn	19	17. Keemosaba	12
2. Beaver Dam	11	18. Lake Michael	11
3. Big Falls Boys	12	19. Lind Center Boys	13
4. Big Falls Girls	12	20. Lind Center Girls	11
5. Clintonville	20	21. Manawa Boys	8
6. Constance	19	22. Marble	14
7. Crystal Lake	26	23. Marion Jolly 4-H'ers	6
8. Crystal River	9	24. Ogdensburg Boys	17
9. Dou	10	25. Ogdensburg Girls	11
10. Evanswood	11	26. Pathfinder	15
11. Gard's Corners	16	27. Rainbow Guernsey	10
12. Granite Quarry	22	28. Royalton Girls	20
13. Green Valley	14	29. Sandy Knoll	7
14. Happy Hour	8	30. White Lake	17
15. Harrison Center	26	31. Willing Workers	16
16. Hobart Hustlers	9	32. Wisdom Ridge Boys	13
		1939 TOTAL ENROLLMENT	445

4-H CLUB ACTIVITIES



4-H recreation - games.

of livestock, dairying is emphasized as livestock enterprises. We are apt to be the second largest livestock as the chief source of farm cash and consideration in the livestock



our livestock interests. Waupaca, South DSIA, North DSIA, and the 4-H Organization.

Comments are published by our of twenty-four newspaper anti-

Handicraft lessons.

and to put on a Production Show at the fair, with testing association records. It is like this: "Never in the history has been shown at the County Fair or could boast as high a production as up on the past history proved this



exhibit, the combined yearly The same story was true of the exhibited at the Fair.

cells have been placed. This means that are being built in this area.

4-H Dairy Queen Contest.

as were held, one at Clintonville, minutes stressed Herd Building. as 600 farm men and women.

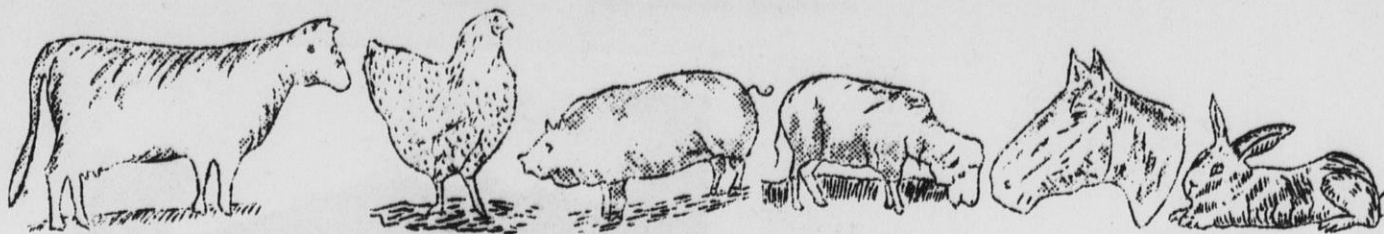
around Breeding School Institutes. Also, these one-day marketing institutes prepare dairy, poultry and far prod-



with J. S. Hayes. Diseases of sections of Waupaca County. We have some eighty far farms feeds and diseases is on the

4-H calf club members exhibited 103 calves at County Fair in 1939.

teachers and the county agent last year hog enterprises were studied.



LIVESTOCK AND DAIRY PROGRESS

In Waupaca County, when we think of livestock, dairying is emphasized to the exclusion of other livestock enterprises. We are apt to lose sight of the fact that poultry is the second largest livestock business of the farm, and in many cases the chief source of farm cash income. Hogs and sheep are taken into consideration in the livestock program.

Four organizations are promoting our livestock interests. Waupaca County Livestock Breeders' Association, South DHIA, North DHIA, and the Agricultural Teachers' and County Agent's Organization.

Each month testers' reports and comments are published by our county weeklies. We have had a total of twenty-four newspaper articles printed during the past year.

The above associations worked hard to put on a Production Show at our County Fair. Eighty-three animals, with testing association records, were exhibited. Comments ran something like this: "Never in the history of Waupaca County has a group of cattle been shown at the County Fair which showed such excellent breed type or could boast as high a production as these cattle on exhibit". A check up on the past history proved this statement to be true.

In a class of eleven Holsteins on exhibit, the combined yearly butterfat production was 5500 pounds. The same story was true of the Guernsey breed. Twenty-one dairymen exhibited at the Fair.

In the Testing Associations 119 bulls have been placed. This means only one thing, herds for high production are being built in this area.

Three livestock and crop institutes were held, one at Clintonville, Scandinavia and Weyauwega. These institutes stressed Herd Building. The attendance at the three meetings was 600 farm men and women.

Our 1940 Program will be built around Breeding School Institutes. Four meetings are planned for 1940. Also, three one-day marketing institutes are planned emphasizing how to prepare dairy, poultry and fur products for the consuming public.

A poultry planning meeting was held with J. B. Hayes. Disease clinics will be held in 1940 in various sections of Waupaca County. Another enterprise is the fur farms. We have some eighty fur farms in our county. A meeting dealing with feeds and diseases is on the schedule. Dipping, docking, castration and sheep shearing meetings are also on our program.

Once a month the six agricultural teachers and the county agent meet to work at agricultural programs. Last year hog enterprises were emphasized. This year poultry will be studied.

DHIA - LIVESTOCK PROJECT



Offspring of purebred bulls are tested in order to build high producing herds in Waupaca County



A Production Show at the Fair in progress. Eleven Holstein cows in the ring averaged over 500 lbs. butterfat--2 milkings a day.



In the Production Show at the County Fair these Guernseys averaged over 475 lbs. of butterfat.



Farm visits to 46 D.H.I.A. members holds interest in the herd building program.

LOCATION OF D.H.I.A. MEMBERS

NUMBER 1 ASSOCIATION

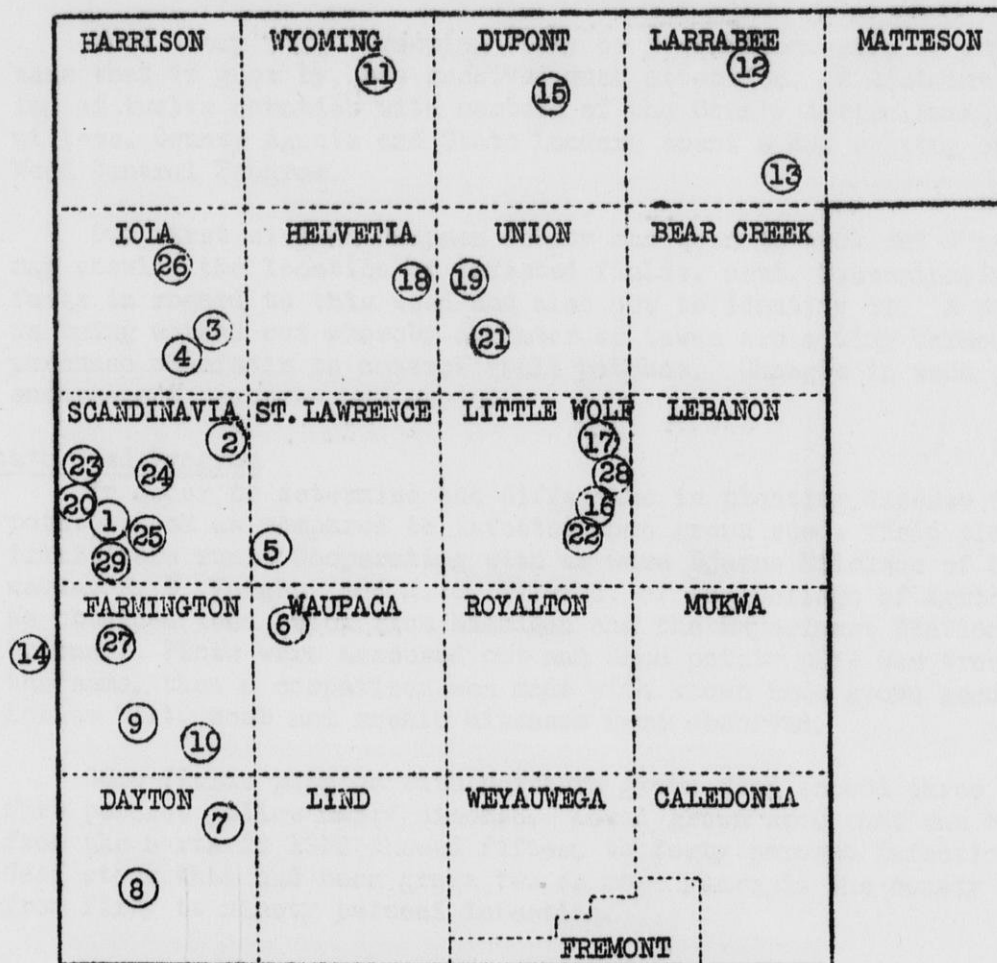
HARRISON	WYOMING	DUPONT	LARRABEE	MATTESON
IOLA	HELVETIA	UNION	BEAR CREEK	22 15
SCANDINAVIA	ST. LAWRENCE	LITTLE WOLF	LEBANON	17 20 18 25
FARMINGTON	WAUPACA	ROYALTON	MUKWA	10 5 6 16 8 7 9 26 3 1 30 2 24 4 31 28 32 11 12 13 14
DAYTON	LIND	WEYAUWEGA	CALEDONIA	FREMONT

Members - 1938-39

- | | |
|--------------------------|--|
| 1. Carroll Ritchie | 17. Harvey & Leon Thoma |
| 2. A. W. Ritchie | 18. James Christenson |
| 3. Donald Casey | 19. Waupaca County Poor Farm |
| 4. Waupaca County Asylum | 20. Poehlman Brothers |
| 5. Geo. Redman | 21. L.D.Hershberger & Arnold Spiegelberg |
| 6. Harold Axtell | 22. S. W. Brunner |
| 7. Clarence Kissinger | 23. R. A. VanAdestine |
| 8. Edward H. Kobiske | 24. Otto Redman |
| 9. Perry Miller | 25. Elmer Rohloff |
| 10. Almo J. Larson | 26. Lawrence Groher |
| 11. A. G. Neuman | 27. Verne Hinchley |
| 12. Martin Kuehl | 28. Chas. Hanke |
| 13. Robert Bork | 29. Carl Borchardt |
| 14. Alfred Krenke | 30. Oscar Haight |
| 15. Chas. Hoffman | 31. Julius Kiekhafer |
| 16. Ernest Montgomery | 32. Carl Hoewisch |

LOCATION OF D.H.I.A. MEMBERS

NUMBER 2 ASSOCIATION



Members - 1938-39

- | | |
|----------------------------|------------------------|
| 1. C. V. Peterson | 16. Arthur Schuelke |
| 2. Harry L. Rowe | 17. Thomas Flannagan |
| 3. Biederman Brothers | 18. Merton Lombard |
| 4. Wolberg Brothers | 19. L. P. Much & Son |
| 5. Colruo Brothers | 20. Raymond Murat |
| 6. Arthur E. Smith | 21. Albert R. Ferg |
| 7. Floyd Gotham | 22. Geo. Eder |
| 8. Truman Potts | 23. S. D. Shanbeau |
| 9. Layton & Potts | 24. Gurholt Brothers |
| 10. John Montgomery | 25. J. P. Jensen & Son |
| 11. A. W. Miller | 26. Arthur W. Grant |
| 12. D. J. Rohrer (2 herds) | 27. Hugh C. Johnson |
| 13. Chas. Kirchner | 28. James O'Donnell |
| 14. Geo. Nivons | 29. Oscar F. Peterson |
| 15. Dieck Brothers | |

CROP PROGRAM

Weed Control Program

It is hard to vision a land without weeds, yet it is possible to approach such a condition if full cooperation could be obtained in a weed program.

Weed Enemy No.1 "Creeping Jenny or Field Bindweed", or any other name that it goes by, has received much attention. A district meeting of twelve counties with members of the County Agricultural Committees, County Agents and State Leaders spent a day mapping out a Weed Control Program.

Our first step in Waupaca County has been to work out a spot map showing the location of infested fields, next, disseminating facts in regard to this weed and also how to identify it. A program is being worked out whereby a number of towns are aiding farmers to purchase chemicals to control small patches. Changes in weed control enforcement measures are needed.

Potato Seed Program

In order to determine the difference in planting disease free potato stock as compared to infested home grown seed, field plot trials were run. Cooperating with us were Bjarne Erickson of Scandinavia, R. E. Vaughn, and J. G. Milward, of the College of Agriculture. We obtained seed stock from Michigan and the Experiment Station at Spooner. Plots were measured out and each potato plot was treated the same, then a comparison was made with known home grown seed. Yellow wilt, scab and mosaic diseases were observed.

Some fields planted with northern grown seed showed three to five percent yellow dwarf disease. Local grown seed that was obtained from the north in 1938 showed fifteen to forty percent infection. Seed stock that had been grown two or more years in the county showed from fifty to ninety percent infection.

We are much concerned over this yellow dwarf infestation. We asked our state senator, Mr. Fisher, from this district, to sponsor a bill providing \$10,000 annually for research work on disease problems. We attended hearings in regard to this bill. It was passed and appropriations are now being used for potato work that can help us in controlling and getting information on these diseases.

Many potato producers were directed as to northern grown seed stock. Reports from growers show that they were satisfied in northern purchased seed. Warehouse men handled many carloads of northern Wisconsin and northern Michigan seed. More work on this potato seed stock problem is planned.

Hybrid Seed Corn

We have six hybrid seed growers in Waupaca County. Foundation stock seed is obtained from our State Experiment Stations. Most of the seed is 95 day strains. In 1939, two hundred fifty bushels of seed were produced and sold locally.

POTATO TOUR



Inspecting field of potatoes for stand.



Field of potatoes showing 20% stand.
Yellow dwarf infection. How to identify
this disease.



Seed potatoes used in this field had
been grown one year in yellow dwarf
area. Inspection showed 15 to 40%
yellow dwarf infection.

Summary - This tour pointed out the necessity for a Potato Seed Program.

SOIL IMPROVEMENT

1. Lime Grinding - 4300 tons distributed by the County Project.
2. Soil Testing - 900 samples tested in the County Agent's Office.
3. Pasture Fertilization Experiments.
4. Soil Erosion Demonstration.
5. Tree Distribution - 220,000 trees distributed.
6. Grasshopper Control.

(1) With the aid of the County Highway Department and the Works Progress Administration, a lime grinding project was set up. 4300 tons of agricultural limestone were distributed. This is equivalent to an increase of 1400 acres of alfalfa or legumes.

(2) 900 samples of soil were sent into the County Agent's office to be tested. The highly scientific tests which can quickly be made takes the guess work out of what fertilizer to apply.

(3) 2700 pounds of phosphate and potash were given to the County Agent by the College to run pasture tests. It is a well known fact that our soils have been depleted of their plant elements. By applying a reasonable amount of different kinds of fertilizer and comparing with no fertilizer treatment, we get a good picture of the soil needs.

Pastures were staked out and fertilizer of known analysis and known weight was spread. Some plots have been disked and torn up and then reseeded. During the next two years observations will be made on these plots.

(4) Soil Erosion Demonstration. "We have no soil erosion problems in Waupaca County". That statement was heard at several meetings. Yet several farmers asked the agent to visit their farmsteads to give them advice on gully control work. The Soil Conservation group, in scoring Waupaca County farms, indicated much damage by water erosion.

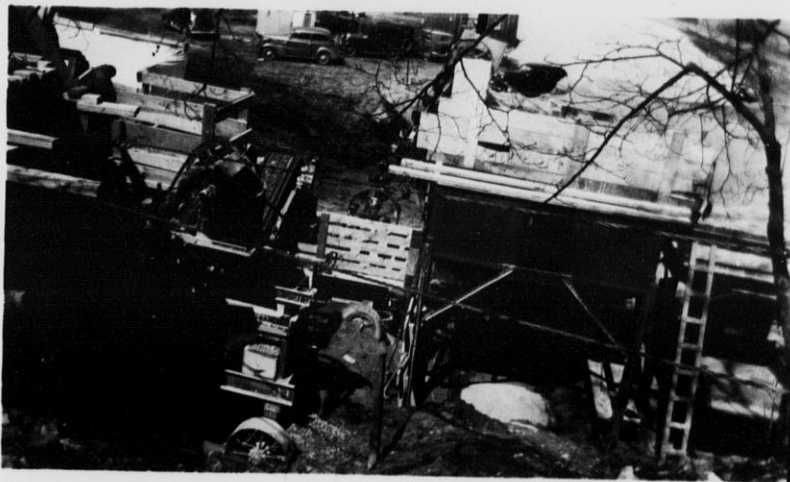
In order to furnish first hand information to farmers and land owners who had water erosion troubles, a demonstration farm was set up. This farm is located in the town of Scandinavia. A badly gullied farm was chosen. Mr. O. R. Zoasman, soil erosion specialist, was asked to lay out a soil erosion plan for this particular farm.

On one part of this farm sod runs were constructed. Where deep gullies were cutting into the fertile fields a dam was constructed with small drain pipes leading from the dam carrying off the water. The dam constructed contained 500 yards of dirt and was 400 feet in length. The test of this erosion dam came soon after its construction. A heavy rain (about two inches fell in a period of two hours) gave this dam its real test. It handled the water and no further gully damage is evident.

LIME PROJECT
Waupaca County



Limestone testing 90 to 105
is quarried at New London.



Cooperating Agencies.
1. County Highway
2. County Agent
3. W.P.A.



4,300 tons were applied by
farmers to 1440 acres.

SOIL EROSION
Terracing

(Demonstration set up in the town
of Scandinavia, Waupaca County)



Laying out contour lines.



The county road grader was hired
to help in building a well con-
structed terrace.



The completed job. The test came
following heavy rains. The sloping
fields are protected.



Farmers visit terraces and get first
hand information on erosion problems.

SOIL EROSION
Erosion Dam



Dam constructed on demonstration farm
for gullies destroying this farm.
O. R. Zeasman, erosion engineer.



Laying out dam levels.



County power scraper in action on the
dirt fill for the dam. This machine
moved 500 yards of dirt in 7 hours at
a cost of \$52.00.



Power scraper completing work.

SOIL EROSION



Deep gullies ruining farms
in Waupaca County.



Water erosion destroying
this fertile field.

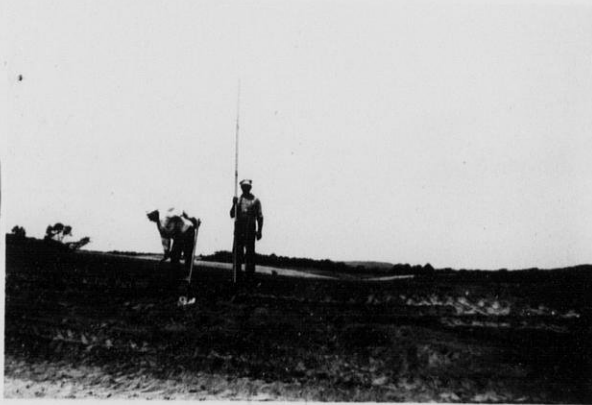


Permanent sod runs such as these are
preventing formation of gullies. This
sod run was constructed in the summer
of 1939 on a demonstration farm in the
town of Scandinavia, Waupaca County.

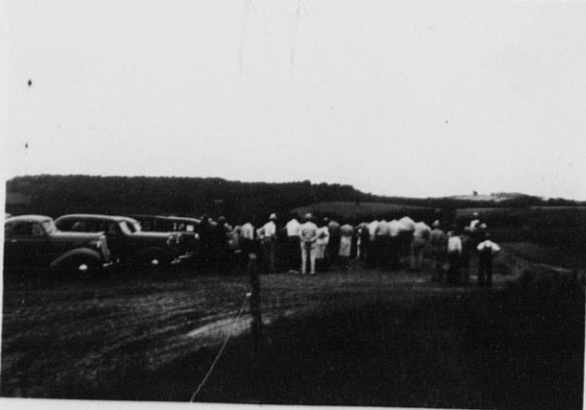
SOIL EROSION
Erosion Dam



Putting in lead off pipe from erosion dam.



Putting the finishing touches on dikes. The real test came after a heavy rain. The erosion dam works.



Soil erosion engineer, O. R. Zeasman, explains laying out the dam and its construction.

(Soil Improvement, Cont'd)

On another field two terraces were constructed which worked perfectly following heavy rains. On this demonstration farm we now have sod runs, terraces and erosion dam. Many farmers have looked over the work on this demonstration farm. I have taken farmers out to this place and explained how it can be constructed, the cost, and how it works. We are going to complete this demonstration farm in 1940 by having the operator follow a strip farming rotation. Pictures show construction and completion of this project.

Plans are also under way for a second demonstration farm to be located in the town of Wyoming where water erosion is serious.

(5) Tree Distribution. 220,000 trees were distributed for shelterbelts and windbreaks. The following map will show the distribution of these trees. However, the 4-H members who received trees are not located on this map.

We feel that several areas that have light soils should encourage more tree planting. This work of tree distribution will be continued.

(6) Hopper pests. Four towns reported hopper injury here. Mixing stations were in operation in the towns of Farmington, Caledonia, Dayton and Union.

FRUIT PROGRAM

Our Waupaca County soil and climate makes the production of quality fruit and berries a nice cash crop sideline.

In 1939 we held four fruit schools at Clintonville, New London, Waupaca and Fremont. A total of eighteen meetings were held. These fruit schools were conducted by Mr. C. L. Kuehner, University Fruit Specialist. In 1940 two fruit schools will be conducted.

The following lessons were given:

1. Planning and planting the orchard.
2. Management of fruit bearing trees..
3. Disease and insect control in the orchard.
4. Small fruit culture.
5. Pruning demonstration.
6. Orchard Tour.

SOIL CONSERVATION

- 3167 farmers cooperated in 1938
- 3391 farmers are cooperating in 1939

The County Agent acted as secretary and assisted with the educational work that was carried on. Up to date 2000 checks have been given out and the remaining checks will be distributed before the beginning of the year.

ORCHARD & FRUIT PROJECT



Orchard pruning demonstration.

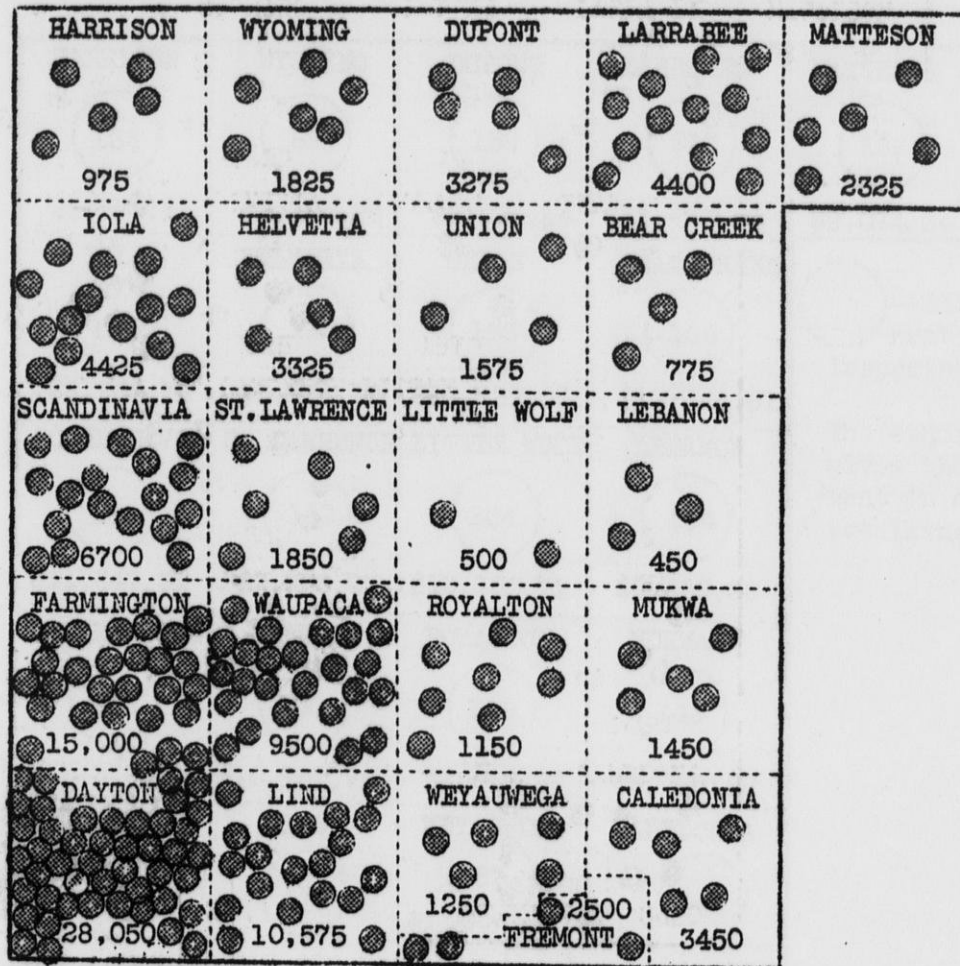


Cut out old trees.



Apple grading demonstration.

Map Showing
DISTRIBUTION OF EVERGREEN TREES



-- Persons who received trees for Windbreak and Shelterbelt planting.

-- Numbers inserted in each township indicate the total trees planted.

Payments Made Each Township
under
1938 AGRICULTURAL PROGRAM
and
FARMS INSPECTED FOR 1939

HARRISON (133) \$5,575.61	WYOMING (89) \$3,124.28	DUPONT (158) \$8,076.14	LARRABEE (212) \$13,457.54	MATTESON (188) \$9,074.34
IOLA (163) \$9,266.76	HELVETIA (122) \$5,974.20	UNION (173) \$12,139.09	BEAR CREEK (185) \$13,444.61	
SCANDINAVIA (156) \$11,847.31	ST. LAWRENCE (162) \$7,938.03	LITTLE WOLF (204) \$12,105.71	LEBANON (154) \$9,682.38	
FARMINGTON (171) \$11,012.70	WAUPACA (200) \$10,767.75	ROYALTON (161) \$8,259.29	MUKWA (143) \$6,429.88	
DAYTON (145) \$10,362.75	LIND (175) \$12,625.13	WEYAUEGA (87) \$4,202.23	CALEDONIA (122) \$8,436.32	
		FREMONT (88) \$4,449.00		

() --Indicates
number of farms
inspected for 1939

The other number
gives the 1938 pay-
ment in each township,
totalling \$198,251.05.

Other Data

107 meetings held.
9,054 persons attended.
18,503 circular letters sent out.
1,888 personal letter sent out.
\$200,000.00 is the estimated net payment on the 1939 Program.

WAUPACA COUNTY REPORT OF HOMEMAKERS

Work Done in Home Decoration and Furnishing

During the past year nine communities in Waupaca County have worked together in Home Improvement through a course given in Home Decoration and Furnishing by Wealthy M. Hale, Home Management Specialist, and sponsored by V. H. Quick, County Agricultural Agent, both of the College of Agriculture.

The following is the homemakers' report of work done to July 1, 1939:

Number of project leader meetings held by specialist.....	4
Number of homemaker clubs enrolled.....	9
Total club enrollment.....	157
Total number of meetings held by project leaders.....	49
Total attendance at project leader meetings.....	616
Total number of members reporting improved practices.....	119
Total number improved practices.....	529
Total number people reached outside of groups.....	288
No. of families making a plan for color scheme of a room...	61
No. of families applying principles of color in room impr..	98
No. of rooms where new color schemes are more satisfying...	84
Number pieces of old furniture remodeled.....	44
Number pieces of old furniture refinished.....	90
Number members taking better care of furniture.....	64
Number of braided rugs completed.....	65
Number of braided rugs in making.....	54

MEETINGS AND MISCELLANEOUS PROJECTS

Shipping Associations

There are seven cooperative organizations shipping livestock to Green Bay and Milwaukee. Assistance in disseminating shipping and marketing facts is given during the year.

Livestock producers consign their livestock to their own commission firms which has resulted in returning a greater share of the market price to the farmer. Direct marketing by the producer increases his interest in what the market demands. Livestock meetings were held at the following centers:

- Big Falls	- Scandinavia	- Northport	- Waupaca
- Sugar Bush	- New London	- Woyauwega	- Fremont

Marketing Meetings

The State Department of Agriculture held two meetings on the production of quality butter, cheese and milk. A special meeting for directors of cooperatives was held at Waupaca with an attendance of forty. Changes in the legal set up, and possible revisions of the existing cooperatives to meet the needs of the present conditions, were discussed.

Granges, community organizations, school organizations have been very good cooperators in enabling the agent to present such topics as 4-H club work, livestock problems, diseases and other control programs.

CONCLUSION

Enough facts have been gathered during the past year that show effectiveness of demonstration soil erosion farms. Land owners and farmers are quick to grasp the possibilities after seeing the soil erosion dams, sod runs and terraces in operation.

The need for further work on breeding, feeding and marketing of livestock is clear.

Potato seed distribution and crop disease control work is of vital importance if these cash crops are to be maintained at their present levels.

Our 4-H boys' and girls' club projects and homemakers' work can be made a real building force in Waupaca County.

Minor projects show promise, such as fur farming, orchards and fruits, vegetables, and should be kept in mind in our Agricultural Program.

Until a better Federal Farm Program can be devised, every effort should be made to get as much as possible out of it for our Waupaca County farmers.

Surveys should be made to determine a Land Use Program.

The Farm Program can only be looked at as a long time program and facts should be geared with the new scientific farm discoveries and city and industrial progress.