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## **Report of the office of county agricultural agent Outagamie County: November 1, 1938--November 1, 1939. 1939**

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*State*  
REPORT

DEC 1 - 1939

OF THE OFFICE OF  
COUNTY AGRICULTURAL AGENT  
OUTAGAMIE COUNTY

J. F. MAGNUS, AGENT

NOVEMBER 1, 1938 — NOVEMBER 1, 1939

AGRICULTURAL COMMITTEE

Albert Krueger, Chairman

Leo Bleck - Walter Blake - Mike Mack - Henry Van Straten

November 15, 1939

To the Honorable Board of Supervisors  
Outagamie County

Mr. Chairman, and Gentlemen

I herewith submit for your consideration the report of the county extension office for the period November 1, 1938, to November 1, 1939.

It would be futile to try to cover all the varied activities engaged in during the year. However we will attempt to give you a report on the major activities. Some insight into the year's work may be had from the following list of meetings held, many of which were conducted with the aid of specialists from the College of Agriculture and the Wisconsin Department of Agriculture and Markets.

4-H Project:

- 4-H Leadership Training Meetings
- County Singing Contest
- County Drama Contest
- County Demonstration and Judging Contest
- Three-Day 4-H Club Camp
- County and State Fair Activities
- Rural Youth Day
- Achievement Day

Livestock:

- Breeding Schools
- Bull Rings
- Better Sires Cooperative
- Dairy Herd Improvement Meetings
- Milk Hearing
- Quality Milk Program
- Feeds and Feeding
- Horses, Hogs, Poultry, and Bees

Field Crops:

Cabbage  
Potatoes  
Corn  
Grain  
Alfalfa  
Sugar Beets  
Soybeans and other emergency hays

Cooperatives:

Reorganization and adoption of new articles and by-laws  
Shipping Associations  
Frigid Locker

Soils:

Testing and fertilization

Orchard Schools:

Planning, pruning, spraying, packing, and marketing

Agricultural Engineering:

Farm building plans and ditching

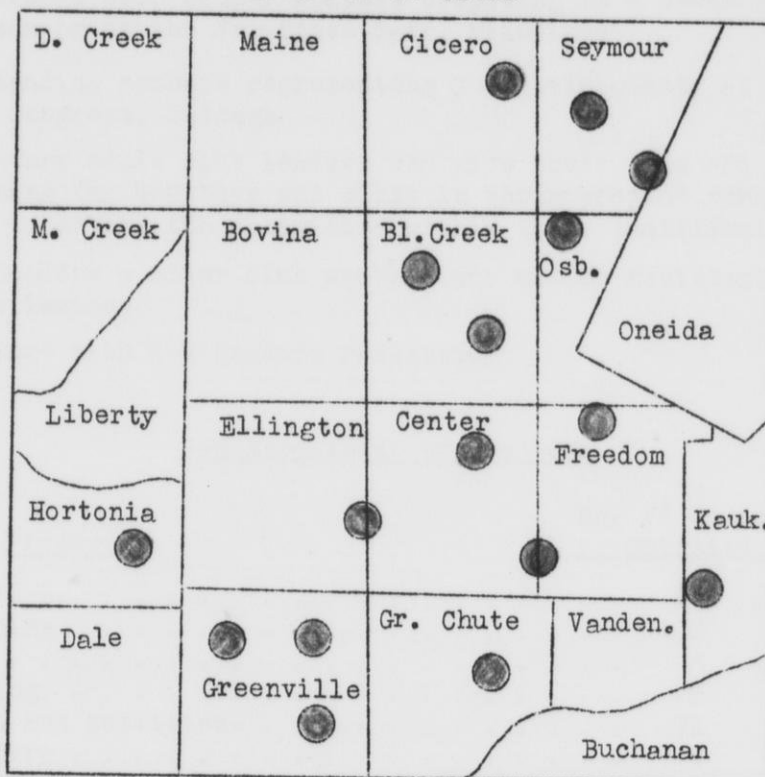
Weeds and Weed ControlInsects and Insect ControlRodent ControlHome EconomicsAgricultural Conservation AssociationWindbreaks and Trees

# 4-H CLUB ACTIVITIES

3.

16 Clubs  
266 Members, 111 Boys - 155 Girls  
205 Achievement Members or 77.06%

Location of Clubs



## Activities

- Each individual club held at least 8 meetings
- 81 Club members attended 3-day summer camp at Hortonville, July 20-23
  - 536 Meals served at club camp
  - 500 4-H members, parents, and friends at 4-H club picnic
  - 15 Booths at county fair
  - 25 Individual and team demonstrations at county fair
  - 27 Individuals in activities at state fair.
  - 1 County booth at State Fair
  - 15 Calves at State Fair
  - 15 Contestants in county foods judging contest
  - 33 Contestants in county clothing judging contest
  - 26 Contestants in county crops judging contest
  - 33 Contestants in county dairy cattle judging contest
  - 37 Contestants in county Style Dress Revue

- 6 Clubs competing in county drama contest
- 5 Clubs competing in county music contest
  - Special 4-H Bull Project Sale - 4-H bulls averaging \$119.00
  - WLS Show sponsored by 4-H Leaders Federation
  - Winners in each county contest competing in a state contest at Madison or at the Jr. State Fair, Milwaukee
- 2 Outstanding members representing Outagamie county at the National Club Congress, Chicago
- 41 Voluntary adult club leaders who give their time and efforts in teaching the 4-H boys and girls in their project work and generally supervise the activities within their individual clubs.
- 21 Jr. Leaders - older club members who act as assistants to the adult leaders
- 6 Meetings with 4-H Leaders Federation

#### 4-H Enrollment by Projects

<u>Project</u>	<u>No. of Members Enrolled</u>
Dairy. . . . .	82
Clothing . . . . .	100
Colt . . . . .	3
Canning. . . . .	26
Foods and Nutrition. . . . .	71
Forestry . . . . .	6
Garden . . . . .	31
Farm Records . . . . .	1
Grain. . . . .	2
Handicraft . . . . .	9
Home Improvement . . . . .	9
Home Grounds Beautification. . . . .	3
Junior Leadership. . . . .	21
Pig. . . . .	1
Potato . . . . .	1
Poultry. . . . .	5
Sheep. . . . .	1
Wild Life Management . . . . .	1



# LIVESTOCK

## DAIRY

### Dairy Herd Improvement Associations

6 Associations  
180 Members  
2800 Head of Cattle

#### Associations and Testers

Holstein Association No. 1 - - - - -	Donald Brownson
Holstein Association No. 2 - - - - -	Glenn Richmond
Cicero-Black Creek Association - - - - -	William Yonkman
Guernsey Association - - - - -	George Baumeister
Outagamie Association No. 5 - - - - -	Melvin Haferbecker
Outagamie-Seymour Association No. 6 - - - - -	Clyde Oleson

The Dairy Herd Improvement Associations are an effective means of building high producing dairy herds throughout our county. The members know which cows from which to raise replacements for the herd and also have a check on the herd sire when their production records can be compared with the production records of their dams. The members that belong to an association year after year eliminate the guess work from their dairy operations. The members of the Outagamie herd improvement associations are fortunate in having conscientious testers doing the testing for them.

Outagamie county stands tied for third place in the state in regard to the number of D.H.I. Associations, but with the number of good dairymen in the county we should have more associations.

### Bull Associations

Twelve good dairymen in the county have organized in groups of four and started three bull associations -- two groups being Guernsey breeders and one group being Holstein breeders. In each group four farmers own four bulls cooperatively. The bulls are rotated each year so that each breeder will get one crop of calves from each bull. At the end of four years each breeder will have calves from each bull so that if any bull in the association produces poor offspring no breeder will have to dispose of more than one year's crop of calves. All members of a bull ring must, of course, belong to a D.H.I. association so as to test the daughters from each bull. This way the good sires are saved and the poor ones go to the block.

#### Guernsey Association No. 1

Victor Leppla  
Jamison Brothers  
Otto Zschaechner  
Aug. Grunwaldt & Son

#### Guernsey Association No. 2

Jamison Brothers  
Ora Breitrick  
John Fredrich  
Ed. Dietz

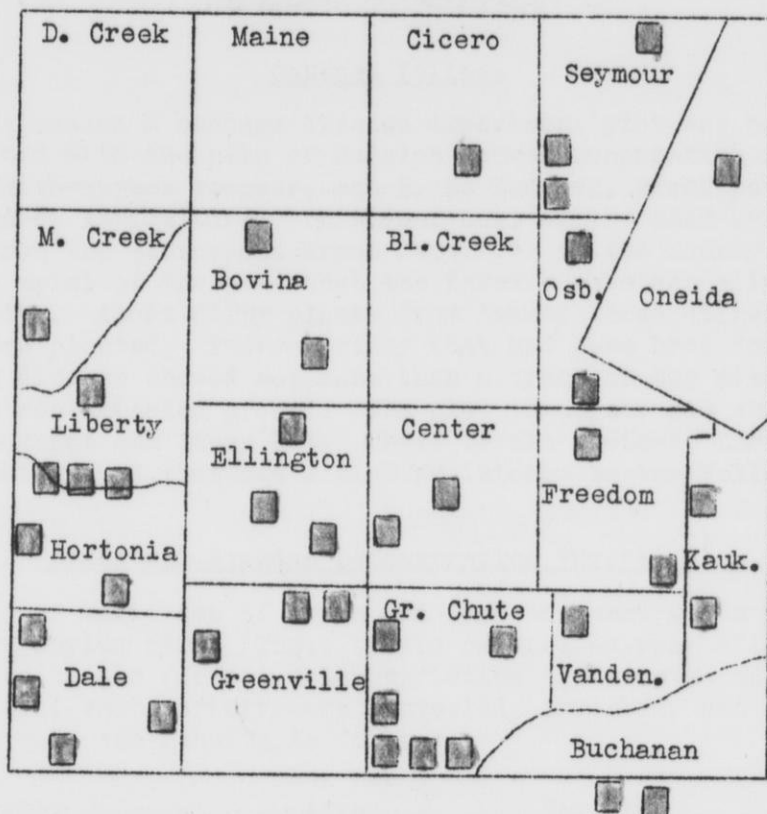
#### Holstein Association No. 1

Leon Wasserbach  
John Dobberstein  
Maurice Powers  
Frank Appleton

## Outagamie Better Sires Cooperative

41 Animals Placed

Location of Members



This is a cooperative organization formed so that any farmer wishing a production bred sire can obtain one without the outlay of much cash which he often does not have. No calf is placed through this organization unless its dam has a mature equivalent D.H.I.A. record of at least 300 pounds butterfat in 305 days. Those who obtain young bull calves pay one dollar membership, sign a note for the balance of the price of the calf up to a limit of \$40.00 and pay three dollars a year service fee. When a member has used a bull as long as possible the bulls will be rotated amongst the different members by making application to the board of directors.

### Show Herd at State Fair

A county show herd of Guernsey cattle was shown at the state fair and placed fourth amongst the county groups.

### Breeding Schools

Late last fall dairy breeding schools were held at which specialists from the College of Agriculture explained sound breeding principles for



development of high producing herds. The artificial insemination of dairy cattle was described and aroused much interest amongst the farmers attending the schools

## FIELD CROPS

### Cabbage Yellows

The past season a cabbage disease experiment plot was again carried near Shiocton with the help of Rudolph Locke, cooperating farmer, Hugh Alberts, Smith-Hughes teacher, and R. E. Vaughan, plant pathologist of the College of Agriculture. This year most of the seed was obtained directly from the stores and kraut factories of the county so that the plot was a trial of the seed that the farmers were actually planting in the community. About fifty plants from twenty-three different sources of seed were planted. Every variety that had been bred for resistance to Yellows disease showed not more than a trace of the disease although planted on contaminated ground. The plot this year did show quite a little Black Rot and Stump Rot. These trials indicate that seed houses are furnishing seed that has a high resistance to the Yellows disease.

### Grain and Soybean Demonstration Variety Plot

A number of varieties of grain and soybeans were again planted on a plot at the asylum farm. These trials carried on year after year should prove to the farmers which varieties are adapted to this locality. Small plots of each variety were harvested, threshed, and acreage yields calculated with the results as follows:

<u>Variety</u>	<u>Bu. Per Acre</u>	<u>Variety</u>	<u>Bu. Per Acre</u>
Pedigree No. 19 Oats. . . . .	60.3	Spelz. . . . .	43.5
Spooner Oats . . . . .	58.7	Redwing Flax . . . . .	18.3
Gopher Oats . . . . .	53.7	Viking Flax. . . . .	17.8
Forward Oats. . . . .	51.8	Common Flax. . . . .	14.5
Wis. No. 7 Oats . . . . .	45.6		
Oderbrucker Barley. . . . .	35.6	Sturgeon Wheat . . . . .	22
Pedigree #38 Barley . . . . .	33.9	Progress Wheat . . . . .	16
		Thatcher Wheat . . . . .	13

Ten varieties of soybeans were planted and one rod from each row was harvested and weighed. The lightest yielding variety is named first and the heaviest last:

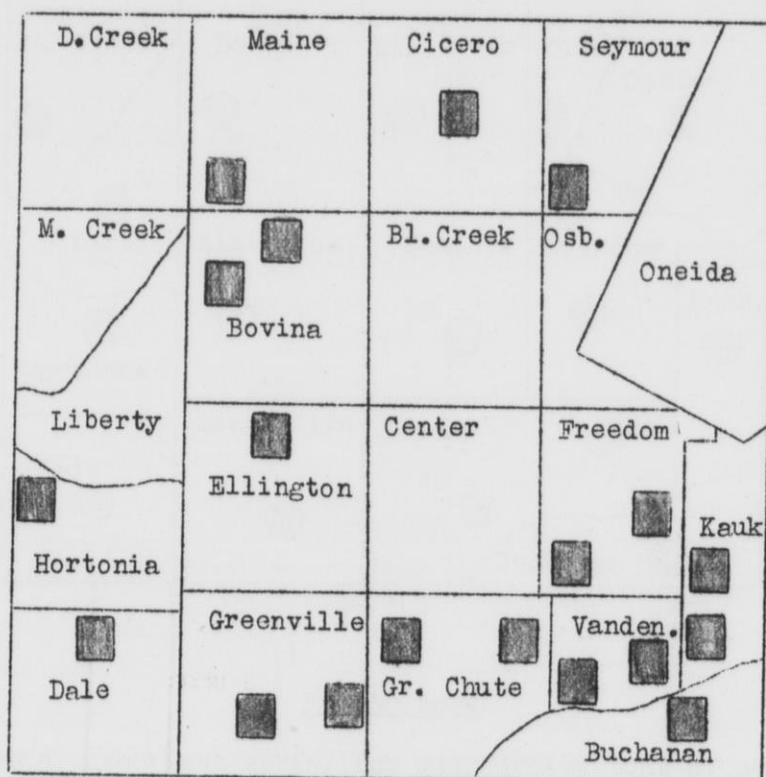
- |                  |                   |
|------------------|-------------------|
| 1. Early Blacks  | 6. Manchu Common  |
| 2. Cayuga        | 7. Manchu Spooner |
| 3. Mandarin      | 8. Manchu #3      |
| 4. Black Eyebrow | 9. Mandell        |
| 5. Mukden        | 10. Illini        |

We also obtained barley seed from fifty different farmers and planted it in one rod rows. At the Field Day George Briggs and R. E. Vaughan

checked these plots for disease and variety mixtures. Each farmer furnishing seed for the plots was given a report and advised as to whether or not to obtain new seed for next year.

### Grain Inspection

Each year a number of farmers raise some barley and oats of pure strains to sell to other farmers for seed purposes the following year. Those who wish to have their field certified make application for inspection which is done by the Smith-Hughes teachers, county agent, or inspector sent out from Madison. The following map shows the locations of farmers having had inspection of fields this year.



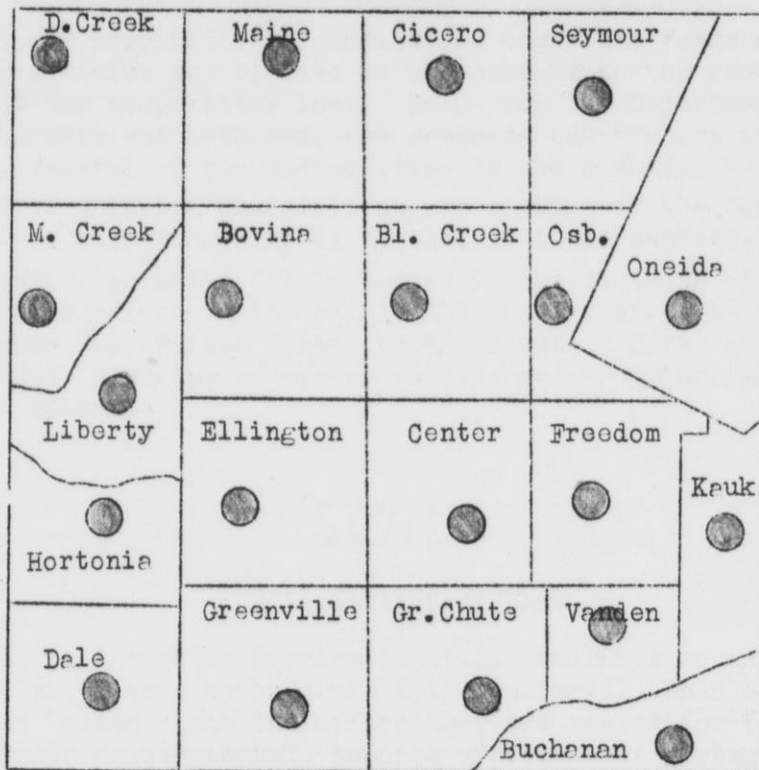
### Hybrid Corn Seed Producers

The production of hybrid seed corn is growing rapidly in Outagamie county although many farmers are not convinced of its superiority over the old open-pollinated varieties. Proper selection of adaptability hybrids is as necessary as proper selection of the open pollinated varieties. At least five modern corn driers have been built in the county and at least nine farmers have been growing hybrid seed corn.

### European Corn Borer

The European Corn Borer was found in the first corn field visited in every township of the county this summer. Not enough infestation has been had as yet to cause a great deal of damage, but is just one more thing that farmers of our county must be prepared to fight.

European Corn Borer Located as Follows



### Potato Seed

Orders were taken last spring for over twelve tons of potato seed for farmers of the county and arrangements made with a trucker to transport them and deliver them to the farmers. Certified seed was obtained in the Antigo area at \$1.80 per hundred delivered here in the county. Good select seed from the Antigo area and from Butternut in Ashland county was obtained and delivered to the farmers in the county at \$1.25 per hundred.

### Alfalfa Wilt

Considerable alfalfa wilt has appeared in the alfalfa fields of southern Wisconsin--some, too, has shown up in our county. On the Tom Dorsey farm an acre was seeded to a fifty-fifty mixture of Ladak and

Cossack alfalfa, both of which are better than 50% resistant to the wilt disease. This was planted in a nine acre field of Grimm alfalfa and stands will be compared the next few years to see which shows the better survival.

## COOPERATIVES

Some of our cooperative organizations organized years ago have found that their articles and by-laws do not conform to the requirements of the present day cooperative laws. Help from the Department of Agriculture and Markets was obtained, new articles and by-laws written up and adopted by several of our cooperatives in the county.

Six active shipping associations are working in the county and doing a good job of marketing surplus cattle for their members.

The first cooperative frigid locker in the state to offer complete service was organized in the county this past year. The Greenville Frigid Locker Cooperative opened up the first of April and offers complete service in curing of meats, cutting and wrapping, sharp freezing and locker storage.

## SOILS

### Soil Testing Service

The free soil testing service is still available to any citizen of the county who wishes to have his soils analyzed. When soil samples are sent or brought into the office they are tested for lime, potash, and phosphorus requirements. Reports are sent out giving the results of each test and a permanent record kept in the office files. During the past year 1130 samples have been sent in and 970 tested so far.

### Fertilizer Demonstrations

Last spring a ton of TVA phosphate and 800 pounds of 60% potash were obtained and given to six cooperating farmers. This was applied to acre strips through new and old seedings of alfalfa and will be checked for yields against unfertilized strips during the next two or three years.

### LIMESTONE PROJECT

The selling of lime to farmers in the county was again operated this past year with no cost to the county. All lime orders are paid for in advance and the money deposited with the county treasurer and checks in payment of the lime and delivery of same are re-issued by the county treasurer.

The prices from November 1, 1938 to June 1939 were the same as last year ranging from \$1.20 to \$1.35 per ton. A 12¢ check-off per ton was retained for such purposes as the Agricultural Committee should designate in the promotion of the project.

The W.P.A. project was discontinued the early part of the summer and the quarries, without W.P.A. labor, were unable to furnish lime at the old prices. The quarries submitted new prices ranging from \$1.45 to \$1.80 per ton. A 5¢ check-off was kept for necessary expenses.

It is hoped to have at least one W.P.A. limestone grinding project set up by December and then prices can be lowered again. Much less limestone has been used by the farmers this year than the last three years due to a combination of reasons. Many farmers took care of their present lime requirements during the past three years, as it was the first time they could purchase it at reasonable prices and the A.A.A. program helped to reimburse them under their soil building allowance. Low milk prices the past season has also discouraged many from buying any limestone except what they needed for barn purposes. The use of ground limestone on the barn floor improves the appearance of the barn, makes the floors less slippery, tends to keep down the barn odors and of course helps sweeten the soil when hauled out with the manure.

#### Financial Statement of Lime project

Balance Nov. 1, 1938.....	\$110.88
Received from sale of 837 <sup>1</sup> / <sub>2</sub> tons of lime from	
Nov. 1, 1938 to Nov. 1, 1939.....	<u>1134.33</u>
Total Receipts.....	\$1245.21
Black Creek Limestone Co. was paid for lime and	
delivering from Nov. 1, 1938 - Nov. 1, 1939.....	\$ 485.04
Kenneth Hodgins was paid for lime and delivering	
from Nov. 1, 1938 - Nov. 1, 1939.....	410.98
Miscellaneous expense (promoting sale of lime,	
refunds, assistance).....	<u>129.79</u>
Total paid.....	<u>1025.81</u>
Balance Nov.1, 1939.....	\$ 219.40
To be paid Black Creek Limestone Co. when orders	
of 75 tons are delivered.....	116.37
To be paid Kenneth Hodgins when orders of 47 tons	
are delivered.....	<u>68.65</u>
Total to be paid.....	<u>185.02</u>
Actual balance Nov. 1 if all orders were	
paid for....	\$ 34.38



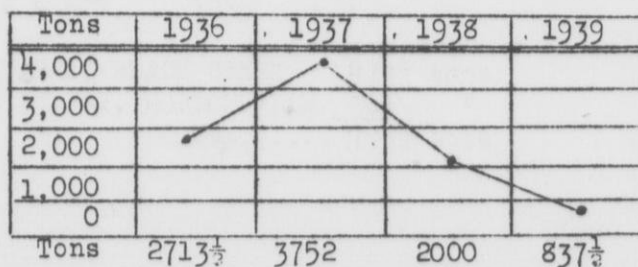
LIME DELIVERED TO TOWNSHIPS

Nov. 1, 1938 - Nov. 1, 1939

(Each section represents 4 tons)

TOWNS	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	
Black Creek																																					
Bovina																																					
Buchanan																																					
Center																																					
Cicero																																					
Dale																																					
Deer Creek																																					
Ellington																																					
Freedom																																					
Grand Chute																																					
Greenville																																					
Hortonia																																					
Kaukauna																																					
Liberty																																					
Maine																																					
Maple Creek																																					
Oneida																																					
Osborn																																					
Seymour																																					
Vandenbroek																																					

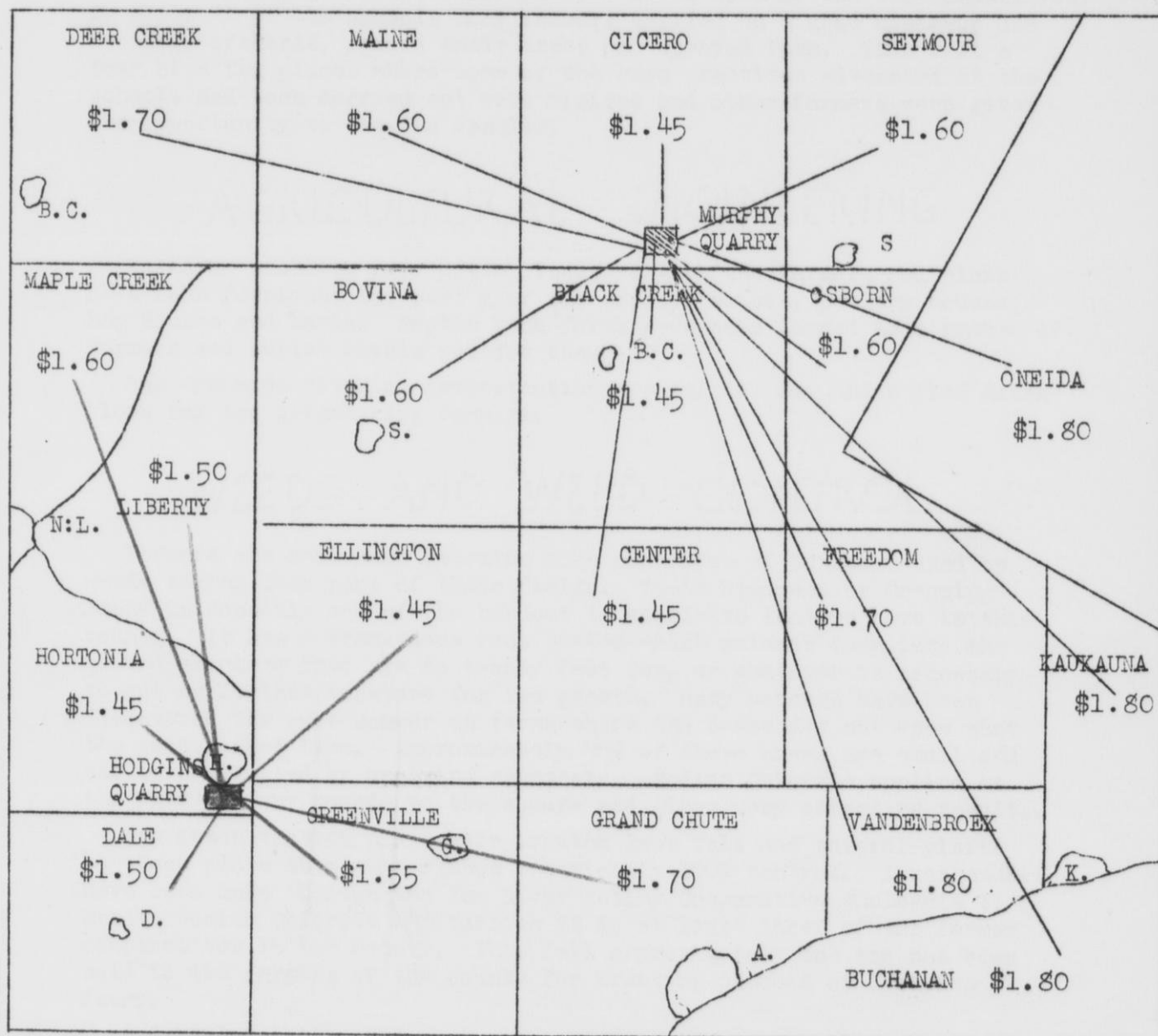
Lime delivered to farmers from  
county lime projects during the  
last four years





PRODUCTION OF LIME

Quarry Locations  
and  
Delivered Prices Per Ton to Farmers  
November 1, 1939



TONS OF LIME DELIVERED BY QUARRIES  
NOV. 1, 1938 - NOV. 1, 1939

ROBERT MURPHY QUARRY, BLACK CREEK	474½ tons
KENNETH HODGINS QUARRY, HORTONVILLE	301 "
TOTAL.....	775½ tons

## ORCHARD SCHOOLS

Last winter two fruit schools of four meetings each were held—one at Appleton and one at Seymour. The schools were put on with the aid of Conrad Kuehner, fruit specialist of the College of Agriculture. Adapted varieties of apples, pears, plums, cherries, raspberries and strawberries, as well as methods of planting and care were discussed. Following the schools a pruning demonstration was put on in each of the two communities. As a result of the schools many farmers carried on a good clean-up job in their orchards, pruned their trees and sprayed them. This fall a tour of a few places where some of the good practices advocated at the schools had been carried out were visited and other farmers were given the opportunity to see the results.

## AGRICULTURAL ENGINEERING

Building problems were often discussed with the farmers and plans have been furnished the past year for brooder houses, poultry houses, hog houses and barns. Septic tank forms have been loaned to a number of farmers and outlet levels run for them.

One dynamite ditching demonstration was carried out and a fine ditch blown for two neighboring farmers.

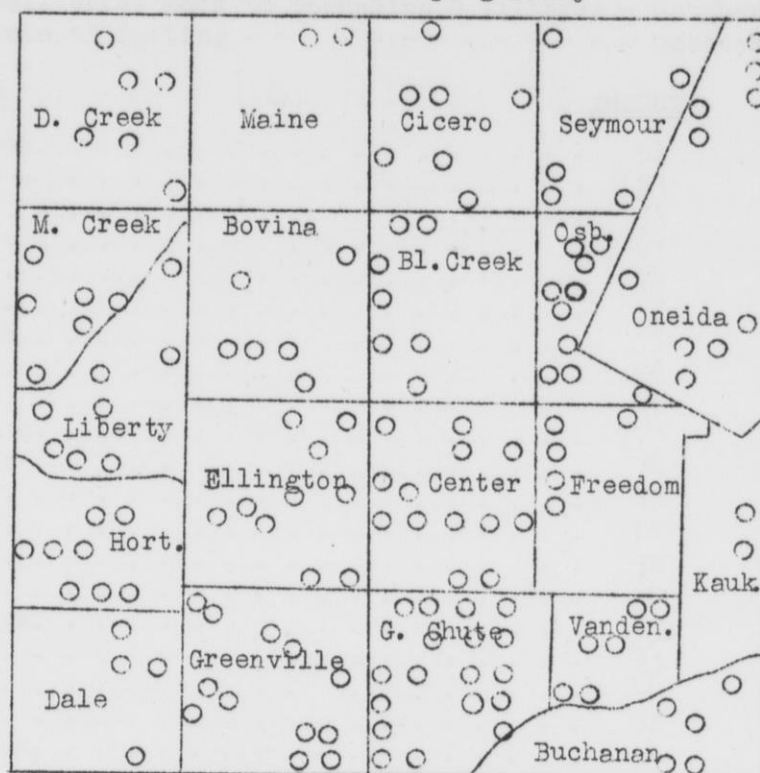
## WEEDS AND WEED CONTROL

Farmers are each year becoming more conscious of losses caused by weeds taking over part of their fields. Field Bindweed or Creeping Jenny is possibly one of the hardest to eliminate that we have in this county. It has a tremendous root system which extends down into the ground anywhere from six to twenty feet deep or whatever is necessary to get sufficient moisture for its growth. Many patches have been discovered the past summer on farms where the owner did not know what the weed looked like. Approximately 90% of these areas are small and can be controlled by applying chemicals. Sodium Chlorate applied at the rate of four pounds to the square rod gives very effective results.

Two demonstration plots were treated last fall and several visits to these plots this summer show practically 100% control. Arrangements have been made through the Fox River Valley Cooperative Wholesale to handle Sodium Chlorate and furnish it to at least three of the farmer cooperatives in the county. This fall approximately one ton has been sold to the farmers of the county for treating patches of Creeping Jenny.

A circular letter was sent out to everyone on our mailing list asking them to indicate whether or not they had the weed on their farm. The following map was made showing the sections where farmers replied that they thought it was growing on their farms.

Location of Creeping Jenny



## INSECT AND INSECT CONTROL

### Grasshoppers

Grasshoppers were found hatching as early as May 12th on the sandy spots of our county this year. This early hatching did not do a great deal of damage due to plenty of moisture and rapid growth of foliage. Most damage was done by later hatchings, especially in the alfalfa fields. 75 tons of bait were mixed and furnished to approximately 200 farmers at a mixing cost of \$159.15 outside of the supervision which was carried on with the aid of the agricultural committee.

# RODENT CONTROL

## 1939 RAT BAIT DELIVERIES

Appropriation. . . . . \$400.00  
 1500 packages bait received @ \$.2667 . . . . . 400.00

Deliveries Made to Townships & Villages - October 26th  
 Date of Baiting - - - - - October 27th

<u>TOWNSHIPS</u>	<u>AMOUNT</u>
Black Creek. . . . .	51
Bovina. . . . .	53
Buchanan . . . . .	33
Center . . . . .	67
Cicero . . . . .	54
Dale . . . . .	37
Deer Creek . . . . .	71
Ellington. . . . .	56
Freedom. . . . .	62
Grand Chute. . . . .	73
Greenville . . . . .	74
Hortonia . . . . .	48
Kaukauna . . . . .	28
Liberty. . . . .	32
Maine. . . . .	60
Maple Creek. . . . .	43
Oneida . . . . .	43
Osborn . . . . .	44
Seymour. . . . .	68
Vandenbroek. . . . .	34

Total. . . . . 1031

<u>CITY OR VILLAGE</u>	<u>AMOUNT ORDERED</u>	<u>AMOUNT DELIVERED</u>
Bear Creek . . . . .	200	75
Black Creek. . . . .	100	50
Combined Locks . . . . .	90	50
Hortonville. . . . .	400	75
New London . . . . .	70	50
Shiocton . . . . .	20	20
Little Chute . . . . .	1	5
Kimberly . . . . .	12	12
Seymour. . . . .	20	20
Kaukauna (5th Ward). . . . .	21	21
Appleton:		
10th Ward. . . . .	10	10
12th Ward. . . . .	18	18
13th Ward. . . . .	10	10
18th Ward. . . . .	3	3
Called for at office . . . . .		38
Bait not called for given to City Health Department . . . . .		12

Total. . . . . 469

TOTAL PACKAGES. . . . . 1500

## HOME ECONOMICS

There were twelve home economics clubs in the county the past year. Each club selects two leaders that meet four times a year with a specialist from the University who gives them instructions on some project chosen by the women at a preliminary planning meeting. The two leaders from each club then go back to the individual clubs and demonstrate what they have learned from the specialist. This gives a number of women a fine opportunity to develop leadership qualities as well as carrying the message of the specialist out to three or four hundred women on her one trip to the county. The women enjoy these meetings greatly and report that they get very practical information from them. One new club has recently been organized to take the work during the coming year and an achievement program is being planned by the women for next spring at which time they will give a program demonstrating some of the things they have learned during the year.

## AGRICULTURAL CONSERVATION

The number of farmers participating in the Agricultural Conservation Program has increased each year. A total of 3,105 farmers in Outagamie county will receive payments of approximately three hundred thousand dollars for the 1939 season. Payments to the majority of the farmers should be made not later than January, 1940. Fifteen hundred applications for payment have already been received and signed by the farmers. The signed applications must now be returned to the state office and then the payment checks will be issued.

The past year the county was divided into thirteen districts, each district electing three community committeemen to represent their district. For the 1940 program each township has elected three committeemen and a delegate to the county convention where the same county committeemen were elected, namely; Joseph Garvey, chairman, Thomas Dorsey, vice-chairman, and John Dolan third member. The county agent serves as secretary.

On account of lack of space in the court house the office of the association was moved to the third floor of the Olympia Building this past summer.



Some brief statistics which must be kept for reporting to Madison and Washington will no doubt be of interest to board members.

Number of Meetings. . . . .	282
These meetings attended by. . . . .	19,442
Circular Letters Written. . . . .	158
Number receiving circular letters . . .	46,898
Personal Letters. . . . .	3,851
Telephone Calls . . . . .	3,157
Farmers called personally . . . . .	3,160

This, my first year as county agent of Outagamie county, has been a very busy one, but with all a very enjoyable one. It has been a pleasure to work with and for the county board and the people of the county. I especially appreciate the fine understanding and cooperation of the county board agricultural committee and the county board chairman.

Respectfully submitted,

*J. F. Magnus.*

J. F. MAGNUS  
County Agricultural Agent  
Outagamie County

JFM:MK