

# THE VISITOR

Devoted to the Interests of Agriculture and Manual Training  
in Minnesota High Schools

VOL. VI

May, 1919

No. 9

## AGRICULTURAL MEN IN NEXT YEAR'S PLACES

Below is a list of the names and locations of such of the high school teachers for next year as have been heard from. A complete directory will be issued in the September Visitor.

School	Instructor
*Appleton.....	L. L. Colby
Alexandria.....	K. A. Norsen
Albert Lea.....	L. H. Thurwachter
Austin.....	Walter O. Lutz
Blue Earth.....	Benj. Brickman
Brewster.....	R. E. Hubbard
*Chatfield.....	Herbert M. Hamlin
*Canby.....	J. C. Hening
*Clarissa.....	J. W. D. Butcher
*Cokato.....	J. W. Kauffman
Correll.....	R. B. Fall
Deer River.....	A. Boyd Carfer
Fairmont.....	Paul Calrow
Grand Rapids.....	A. H. Frick
*Hector.....	George Girrback
*Henderson.....	E. A. Coe
Jackson.....	P. M. Hewitt
*Kasson.....	G. S. Ellis
Lamberton.....	W. C. Hicks
*Lewiston.....	Herbert B. Swanson
*Lake City.....	H. C. Timberlake
*Mantorville.....	S. A. Aldrich
*McIntosh.....	P. O. Johnson
*Madella.....	E. N. Johnson
*Montevideo.....	J. H. Lefforge
*Morgan.....	H. M. Price
New Richland.....	F. L. Crowe
*Olivia.....	Carl E. Nelson
Owatonna.....	Henry W. Hartle
Pine River.....	H. C. Klumb
Pipestone.....	V. A. Edwards
Renville.....	W. Reilley
Redwood Falls.....	Max H. R. Treu
Sandstone.....	Harold H. Amos
Sauk Center.....	E. M. Gillig
Sleepy Eye.....	D. J. Heppner
*St. Peter.....	Earl Springer
*Spring Grove.....	Louis E. Schreiber
South St. Paul.....	Frank Tibbetts
*Tracy.....	L. S. Kelehan
*Thief River Falls.....	F. A. Tripp
Waseca.....	D. F. Adams
*Wheaton.....	R. J. McCausland

\*New appointment.

## NEWS NOTES

E. J. Gaffney, Agriculture teacher at Olivia, has tested 70 bushels of seed corn for the farmers of the community and has started a hotbed which will produce enough cabbage and tomato plants for the people of the town and surrounding country.

(Continued on page 3)

## HINTS FOR SUMMER AND HOME WORK

The time is now at hand for the closing up of the work in the school room for the year. The scene will now change to the home and the home project. Here the agriculture teacher will have a chance to do first hand, personal teaching, and get acquainted with the boy at home as well as with his parents.

During the summer months both the teacher and pupil will have time and opportunity to collect specimens of farm crops, weeds, seeds, plant diseases, insects; make charts and posters and small apparatus for next year.

Plans and methods for the various courses can be thought and worked out during this time. Let us be ready to make the agriculture work the best ever, next year.

Don't forget the Two Weeks' Intensive Training Course for Agricultural Instructors July 21 to August 1, at University Farm, St. Paul. Plan to attend whether you are a Smith-Hughes teacher or not. Your superintendent should be there too. Have you told him about it? Have you received a bulletin descriptive of this work? If not, write at once for one, to R. M. West, secretary, University Farm, St. Paul.

## SOYBEAN INOCULATION.

Professor A. C. Arny of the division of agronomy and farm management, University Farm, makes the following announcement which should be kept in mind by the agriculture teachers.

"Since there was no handy, available source of inoculation for soybeans in 1919, a considerable quantity of soil has been supplied by the farm crops section from soybean fields on University Farm. This has been for the purpose of getting the inoculation started in various parts of the state so that soil will be available for use for inoculating purposes in 1920. No

(Continued on page 2, col. 2)

## THE VISITOR

Published monthly by the Division of Agricultural Education, University of Minnesota, University Farm, St. Paul, Minn.

Entered as second class matter at the post-office at St. Paul, Minn., under the act of August 24, 1912.

Acceptance for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917, authorized August 2, 1918.

### STAFF

A. V. STORM  
D. D. MAYNE  
A. M. FIELD  
J. V. ANKENEY  
W. P. DYER  
G. F. HOWARD  
T. A. ERICKSON  
GEORGINA L. LOMMEN

### VISUAL PRESENTATION

In reply to a questionnaire recently sent out to the 82 agriculture departments of the state there were 52 replies. Thirty-eight of these schools own stereopticons, 27 had used the machine more than once in the last year for class instruction. Two had not used their machines because of unavoidable hindrances. Two were planning to buy machines. Only nine had not made use of their machines. These gave as their reasons: 1, difficulty and cost of getting slides; 2, machine out of repair.

Practically all of the men who did not own machines said that they thought them a good thing provided suitable slides were available.

In the 27 departments which used their lanterns for teaching, the lanterns were used 228 times for class work and 57 times for extension work.

It is a significant fact that wherever an agriculture teacher owned a number of slides or was on a slide circuit the number of times the lantern was used was large.

Eight of these 52 schools own their own motion picture machines. Two replied that they were planning to buy a projector.

Thirty-five used charts for instructional work.

The General Extension Division, University of Minnesota, is offering courses in Shop Mathematics, Logic, American Government, Municipal Government and International Law by mail.

(Continued from page 1)

soybean soil will be supplied from University Farm in 1920, therefore, county agents, high school instructors, and farmers who wish to grow soybeans in 1920 should keep in mind fields which have grown soybeans during the summer of 1919 and which have been examined to be certain that the bacteria are present."

### BOOKS RECEIVED

**The Vegetable Garden**, Ralph L. Watts. This is number 32 of the *Outing Handbooks*. It discusses such topics as where to grow vegetables, hotbeds, cold frames, greenhouses, tillage problems, manures and cover crops, commercial fertilizers, seed supply, marketing, intensive gardening, the home garden. The *Outing Publishing Company*, New York. Price 80 cents. 1915.

**Soils and Crops**, J. G. Mosier. This text is designed to meet the needs of the high schools desiring a text which includes both soils and crops. Part I, *Factors of Crop Production*, deals with seed, soils, and soil fertility. Part II, *Cereal Crops*; Part III, *Legumes*; Parts IV-VIII, *Forage, Fiber, Root and Tuber, Sugar and Miscellaneous Crops*. A study outline and problems together with a list of references concludes each chapter. *Rand & McNally Company*. Price . . . ., 1919.

**Plant Products**, R. A. Moore and C. P. Halligan. Designed for use in high schools. Covers field crops and horticulture (including fruit-growing, vegetables and landscape gardening). *American Book Company*. Price . . . ., 1919.

At Spring Valley, 20 pupils were enrolled in the agriculture classes of K. K. Poehler. Instruction was given to pupils in 12 associated rural schools twice during each six weeks period. Forty-two pupils are engaged in garden and club work. Mr. Poehler has ear-tested 50 bushels of corn and received approximately 300 calls for help with farm problems, and has addressed 2,000 adults in public meetings. He assisted in pruning and spraying 15 orchards, some of which had as many as 1,000 trees. He aided the farmers in preparing their county fair exhibits, increased the number of pure bred cattle and hogs in the community and created a sentiment against stray dogs and tame pigeons.



NEWS NOTES

(Continued from page 4)

information. Twelve pupils are enrolled in garden work.

R. B. Fall, the agriculture teacher at Correll, had 14 pupils in agriculture classes during the year, instructed 20 in garden work, addressed about 350 adults, answered on an average about one request a day for help from farmers, pruned and sprayed orchards, introduced soybeans into the community, urged proper care of alfalfa at harvesting, and started district soil acidity tests, during the last year. He had little corn testing for the farmers, the farmers doing their own as a result of the interest aroused by his having tested about 30,000 ears for them during the previous year.

Benjamin Brickman, the agriculture teacher at Blue Earth, instructed 78 pupils in agriculture, 40 pupils are enrolled in garden club work. He addressed 100 adults publicly, tested 45 bushels of seed corn and answered 6 requests for information from farmers. He also cooperated with the county agent in carrying on corn yield plots and in detecting hog cholera.

The agriculture instructor, W. O. Lutz, at Austin, instructed 105 pupils in agriculture during the year. Twenty-five pupils are doing garden club work. Some of his other activities are as follows, publicly addressing 75 adults, answering requests of farmers for help, cooperating with the county agent in club work, and supervising the operation of the power sprayer owned by the school and which was used by about 30 patrons.

Sixty-six pupils were enrolled in agriculture classes at Sauk Center during the year. Five or six hundred adults were addressed by the agriculture teacher, E. M. Gillig. Sixty pupils enrolled for garden work. Nineteen bushels of corn were tested, and 150 requests for help were answered by Mr. Gillig. A corn show was held in February at which 100 farmers were present. One of the boys in the field crops class took first prize.

At Waseca 45 pupils were enrolled in agriculture classes during the past year, Mr. D. Frank Adams, the teacher, addressed 250 adults, tested corn, answered requests for help from

farmers, and made 15 visits to rural schools.

The agriculture teacher at Jackson, P. M. Hewitt, gave instruction in agriculture to 59 pupils, incubated about 600 chickens, answered about 25 requests for information during the year.

SMITH-HUGHES TALKS

Copies of three of the addresses which were given at the Vocational Agricultural Conference held at University Farm, January 30-31, 1919, can now be obtained by writing B. M. Gile, state supervisor of agriculture for Minnesota, St. Paul.

Circular 2—The Organization of Project Work—B. M. Gile.

Circular 3a and b, are addresses given by E. M. Phillips, Director of Vocational Education, for Minnesota, at the beginning and the close of the conference.

The Visitor is in receipt of the May number, Volume 1, Number 2, of the Nevada Educational Bulletin, published by the State Department of Education, at Carson City.

The division of agricultural education of the College of Agriculture has on hand complete sets of the International Harvester company stencils for making 36x36-inch charts. These stencils together with directions for making charts from them on brown paper or cloth may be borrowed from the division, the only charge being postage both ways.

To those not familiar with them the following are the titles:

1. Corn is King
2. Alfalfa on Every Farm
3. A Fertile Soil Means a Prosperous People
4. Live Stock on Every Farm
5. Dairying
6. Greater Profit from the Oat Crop
7. Make More from Farm Poultry
8. Weeds Mean Waste
9. Home Economics
10. House Fly
11. Great Forward Movement in Education

## NEWS NOTES

(Continued from page 1)

The high school at Sauk Center dismissed the boys who are taking vocational agriculture on April 1, and the fourteen boys are now at work on projects on their home farms. Some of the boys have more than one project.

On the last day that they were in school a banquet for the boys, the board of education, the agriculture teacher and the superintendent was held at the hotel. All the members of the board of education were present. Each boy told about his project work. After hearing the boys talk all were satisfied that Mr. Gillig, the agricultural instructor, had the boys harnessed up to something worth while and that they were getting some actual preparation for life.

The boys invited the board members to visit them at their farms during the summer. All present felt that the occasion had been very much worth while. The board of education surprised the boys by taking care of the expense of the banquet.

How Teachers in Rural Elementary Schools May Use Farmers' Bulletin 602, Clean Milk: Production and Handling, is the title of a leaflet recently issued by the State Relation Service, United States department of agriculture, Washington, D. C.

About twenty members of the animal husbandry class of B. C. Eade of Mantorville and J. C. Hening of Kasson met recently at Mr. Hening's home for some special work in butchering hogs. L. H. Fudge of the College of Agriculture, University of Minnesota, supervised the killing, scalding and dressing of the animal.

The carcass was hung up to cool over night. The next day Mr. Fudge demonstrated the cutting up of half of the carcass after which the pupils cut up the other half. The lard was cut and rendered. This was followed by a discussion of methods of curing pork. This is an example of a very practical exercise for an animal husbandry course.

Nearly a hundred boys and girls will be growing home gardens in the Boys' and Girls' Club work at Lake City this summer.

One hundred pupils are engaged in garden and club work at Albert Lea. L. H. Thurwachter has given training

to 84 pupils during the past year. He has also tested 21 bushels of corn for the farmers.

On Friday night of May 7 a Garden, Sheep, and Bread club rally was held at Le Sueur Center. L. H. Fudge, of College of Agriculture, was the speaker of the evening. Music, games, contests and eats made up the remainder of the program.

C. H. Schopmeyer of Duluth is always very busy. He has three high school classes and one grade class, besides general supervision of home and community gardens. Duluth has about 600 children doing garden work this season. Superintendent Hoke has employed six assistants to the agricultural instructor to help with the garden work.

Otto A. Stangel returned from the army service and resumed charge of the agricultural work at Virginia on April 1. A farm of 67 acres, where a herd of pure bred dairy animals will be maintained, is being developed in connection with the school. The sire will do community service. A three year rotation consisting of clover, grain and cultivated crops will be used. The products will be used in the school cafeteria.

The instructor in agriculture at Detroit, Mr. Derby, had 69 pupils in his classes. He received approximately 25 calls for help with farm problems and has 400 pupils engaged in the garden and club work.

In the classes of V. A. Edwards at Pipestone, there were 68 pupils. Sixty pupils are doing summer gardening work this summer. Mr. Edwards tested 4 bushels of corn for farmers and received 100 calls for help with farm problems. He found barberry bushes in several places and had them removed.

A. Boyd Carfer, the agricultural instructor at Deer River, had 71 pupils in agricultural classes during the past year and had 160 pupils doing garden work. Three hundred chickens were incubated for the community. Twenty farmers requested help with farm problems and 60 adults were addressed in public meetings. He has co-operated with the county agent in organizing several clubs, locating potato seed plots and in advertising co-operative potato and poultry shows.

(Continued on page 4)

## NEWS NOTES

(Continued from page 3)

During the last year 172 pupils have received training in agriculture at Eveleth. C. S. Faunce is the teacher. The school garden work is well taken care of, there are at present 170 pupils doing this work. Mr. Faunce has incubated 120 chickens for the community, has received 70 requests for help with farm problems and has addressed 75 adults at public meetings.

Carlyle Campbell, the instructor in agriculture at Howard Lake, had 45 pupils in his classes this year. He now has about 20 pupils in garden and club work. He is also secretary of the county fair and finds that this takes much of his time.

J. W. D. Butcher, of Hector, has tested 122 samples of milk, vaccinated 200 hogs, tested 5 samples of clover seed, 320 bushels of seed corn and has supplied about 18,000 plants to the community from the school green house. There were 94 pupils in the agriculture classes. Fifty-seven farmers asked for help with farm problems.

At Mantorville there will 24 pupils in the agriculture classes. Mr. B. C. Eade is the teacher. About 28 pupils are engaged in garden and club work this summer. He has tested 10 bushels of corn and has helped approximately 40 farmers with farm problems.

The school at Milaca had 78 pupils in agriculture. Le Roy Uptagraff, agriculture teacher, has about 100 engaged in garden work. He has tested 10 bushels of corn and helped 50 farmers with problems.

W. Reilley, instructor at Renville, had 68 pupils in his classes. Ten are engaged in garden and club work. The agriculture department tested 600 bushels of corn and received 50 calls for help from farmers. One farmers' club was organized, 4 orchards were sprayed and 2 were pruned.

D. J. Heppner, at Sleepy Eye, had 22 pupils in agriculture, and has 110 pupils engaged in some form of project work. He has tested 20 bushels of corn and received 50 calls for help with farm problems. At public meetings he addressed 350 adults.

J. H. Lefforge, the agriculture teacher at Adrian, had 27 pupils in agriculture classes and 6 enrolled in a 60 day short course, during the last year. He also has 23 pupils in garden club work, has tested 12 bushels of corn for farmers, and has complied with 50 requests for information. He has addressed 75 adults.

The following is a list of some of the activities of the agriculture instructor, A. E. Whiteside, at St. Cloud. One hundred three pupils were instructed in agriculture, about 30 adults were publicly addressed, 12 bushels of corn were tested, about 250 inquiries were answered for farmers in the community during the year. A two days' canning course was held at the high school last year at which 60 girls and 28 women were in attendance. He has helped farmers find good seed and select desirable varieties of corn and potatoes, 346 pupils are engaged in garden work.

F. L. Crowe, the agriculture teacher at New Richland during the past year, gave instruction in agriculture to 45 pupils and conducted a three days' farmers' short course at which there were in attendance over 150. About 2,000 people were addressed publicly during the year by Mr. Crowe. Ninety-six pupils are engaged in garden work. Fifty bushels of corn were tested for farmers. About 100 inquiries for help were answered. Over 200 visits were made to various farms. He also helped spray about 30 apple orchards and helped prune 25. He wrote articles from time to time for local papers. Tomato, cabbage, pepper and cauliflower plants were grown for the community.

Edward S. Billings, the agriculture man at Norwood-Young America, instructed 42 pupils in agriculture, addressed about 500 people publicly, gave instruction in gardening to 15 people, tested 20 bushels of corn for farmers, answered 20 requests for help from farmers, cooperated with the county agent and represented the village on the county Red Cross executive board.

J. C. Hening, the agriculture man at Kasson, instructed 42 pupils in agriculture, addressed publicly about 300 people, tested 80 bushels of corn for farmers and answered 18 requests for

(Continued on page 5)