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WAR SERVICE ROLL

Minnesota teachers of agriculture who are engaged in war service. If you know of others kindly inform us. This roll is to have a permanent place in the Visitor. Will you help us to keep it accurate and up-to-date?

J. Charles Bowe, 239 Airplane Squadron, Kelley Field No. 1, San Antonio, Texas.

P. W. Chase, Aviation School, San Diego, California.

G. N. Danforth, Third Officers Training Camp, Yaphank, N. Y.

R. R. Johnson (awaiting call, Ransomville, N. Y.)

Charles Kelehan, First Lieutenant, Co. K, 136th Infantry, Camp Cody, Deming, N. M.

Archie Lang, 337 Field Artillery, Camp Dodge, Iowa.

R. J. Lewis, U. S. A. Balloon School, Barracks Upper No. 6, Omaha, Nebraska, crae Flying Cadets.

Fred F. Moore, Co. 2, Officers' Training Camp, Camp Funston, Kansas.

Ernest G. Roth, Officers Training School, Camp Custer, Battle Creek, Michigan.

C. J. Skrivseth, Co. F, Second Battalion, 163d Depot Brigade, Camp Dodge, Iowa.

Arthur J. Souba, Navy Instructor in Food Chemistry, Dunwoody Institute, Minneapolis, Minnesota.

Arthur V. Storm, U. S. A. Ambulance Service, Section 547, Allentown, Pa.

N. B. Swanson, Co. C, 313 Engineers Corps, Camp Dodge, Iowa.

T. W. Thorsen, Musician U. S. N., Battleship New Jersey.

NEWS FROM THE FIELD

Harry J. Johnson has been appointed teacher of agriculture at Le Sueur Center.

Melvin P. Ostby, formerly teacher of agriculture at Pine River, is now county agent for Cass county.

The fourth annual Farmers' and Home-Makers' Week at University Farm, St. Paul, closed January 5. The total attendance was nearly thirteen hundred.

The Maple Lake Pig club was the largest in the state last year. There were 27 members who raised 35 pigs and produced 5,400 pounds of pork. Eleven of the boys in the club started with registered pigs as foundation stock for 1918. The boys expect to raise litters from their sows this year. The pure bred pigs were sold to the boys at a reduced price by one of the local breeders. Last spring a poultry club of 12 members was organized. The boys all stayed with the work and on October 26 they held a poultry show at which each boy exhibited his birds. The boys bought materials and constructed their own coops for the show.

J. F. Hédcock, agriculturist at Albert Lea, has been appointed county agent for Freeborn county.

W. T. Parry, the agriculture teacher at St. Cloud, has been made county agent for Sherburne county.

A. J. Souba, a graduate of the University of Minnesota, 1917, and teacher of agriculture at South St. Paul, has resigned to take the position of navy instructor in food chemistry at Dunwoody institute. R. H. Bretzke, who completes the requirements for his degree in agricultural education at the University of Minnesota this semester will occupy the position vacated by Mr. Souba.

The new consolidated school building at Okabena was dedicated December 17, with appropriate exercises.

Henry Hartle, teacher of agriculture at Owatonna has returned to University Farm to complete his course in agriculture.

Benjamin Hofstad, agriculture teacher at Deer River has taken a similar position in the Minneapolis public schools. He plans to do graduate work next semester, if he is not called for service.

Glyndon has a poultry club which will incubate chickens for the farmers next spring.

The school of agriculture at University Farm opened for the second semester with an enrollment of approximately 600.

Frank Tibbetts, a senior in the college of agriculture, has been teaching at Benson for a few weeks. R. M. Crim, agriculturist at that place has entered county agent work.

W. H. Bender of the division of agricultural education, University Farm,

attended a conference of educators interested in Vocational Education at Ames, Iowa, January 29 and 30.

E. E. Hupp, who received his degree of B.S. in Agriculture from the University of West Virginia in 1914 and who has since that time been teaching in that state has been appointed teacher of agriculture at Shakopee. Mr. Hupp is teaching courses in farm crops and poultry this semester and is promoting the club work in his community.

R. B. Smith, formerly instructor in agriculture at Shakopee, has entered county agent work.

The Anoka County Farm Bureau association publishes the Anoka County Farm Bureau News, a monthly, devoted to the interests of the farmers of the county. The Visitor is in receipt of the January issue, the third issue of Volume I, an eight page paper. Lewis O. Jacob is manager and editor. The Visitor would be pleased to learn of all similar publications in the state. How many of our county agents and agriculture teachers are making use of or are helping to see that the agricultural questionnaires sent out at the request of A. D. Wilson, food administrator, are properly filled out by the farmers of their communities?

The usefulness of the Visitor to you and to the rest of the agriculture men of the state depends largely on the variety of news that we are able to print regarding the work of the various agriculture and manual training teachers of the state. Do not forget to do your part by sending us promptly, accounts of your work and happenings in your community.

MINNESOTA WINS

Department of Agriculture Takes 24 Honors at Chicago Show.

The Department of Agriculture of the University of Minnesota with a total of 16 animals won 24 honors at the recent International Livestock Show in Chicago. The animal winning the most prizes was Standard Lad Fourth, Hereford yearling, which took five honors: Hereford yearling, open, first, \$25; Hereford association special, first, \$15; Champion Hereford, \$50; Reserve Champion Hereford, no prize money.

Other prizes were won by Minnesota beef cattle, swine, horses, and sheep.

In addition, the Minnesota student stock-judging team won fourth place among 10 contesting teams, and Mark McCarty and J. H. Kalash won second and third in individual rank among about sixty contestants.

SUMMER SESSION

New Courses Will Be Given, Selected from Regular College List.

This year the College of Agriculture, Forestry, and Home Economics will hold its summer session from June 24 to August 2, 1918. Courses selected from those given during the regular college year, and also a number of new courses, will be offered, with the opportunity to secure college credit. At the same time, the State Teachers' Training School will be held at University Farm. For bulletins of information concerning either of these write to the Secretary, University Farm, St. Paul.

During the summer session of the College of Agriculture, Forestry, and Home Economics, at University Farm, the University also maintains on the Minneapolis campus courses in the colleges of Education, Medicine, Dentistry, Engineering, and Science, Literature, and the Arts. Information concerning these courses may be secured from the Registrar, University of Minnesota, Minneapolis.

Never before has there been such a demand for teachers. These summer sessions will give teachers a chance for additional training.

Save Implements Says Government

The federal government is starting a campaign for the conservation of farm implements. As a first step, it is sending out a call to farmers to do six things: To put in orders for new equipment and repair parts as soon as possible. To use new and modern machinery in large sizes wherever possible as a means of getting maximum results with a minimum of labor. To sell serviceable equipment no longer needed in order that it may be made available to others. To return to channels of trade as junk machinery that has become useless. To give thorough lubrication and proper care to all machinery when not in use. To provide proper protection against the weather for all farm implements.

Books Received

The Story of Agriculture in the United States, Sanford, D. C. Heath & Co. 1916. \$1.12.

Productive Agriculture, Gehrs, Macmillan Co. 7917. \$1.10.

NEW RULES FOR EIGHTH ANNUAL SHORT COURSE FOR BOYS AND GIRLS

Necessity of Limiting the Attendance Compels Certain Changes in Registration Rules

The eighth annual Boys' and Girls' Week will be held at University Farm, St. Paul, April 1 to 5, 1918. Last year more than 1,000 boys and girls attended. Because the number of young folks wishing to attend the course exceeds the possibility of caring for them properly at University Farm, it has become necessary this year to limit the attendance by the following rules:

Rule 1. Any boy or girl who was a prize winner in a local or state club project last year may attend.

Rule 2. Any boy or girl who has won a trip to the Boys' and Girls' Week short course as a premium on some industrial exhibit at a county fair, poultry show, or as a reward for some special agricultural or community achievement may attend.

Rule 3. Boys and girls who are definitely enrolled for some club project for the year's work of 1918 in the boys' and girls' club work, and whose enrollment card for the project is filed in the office of T. A. Erickson, University Farm, St. Paul, prior to March 15, 1918, may attend.

Rule 4. Boys and girls, in order to qualify for attendance under Rule 1 or 2, must bring a written statement from the president or secretary of the society offering the trip, certifying that the holder is entitled to attend as a prize winner under Rule 1 or Rule 2.

Rule 5. No boy or girl will be allowed to attend who has attended two previous short courses excepting those who may qualify under Rule 1 or 2.

The class work this year will center in the boys' and girls' club work. The value of club work, club organization, programs and activities, keeping records and making reports, calves, pigs, poultry, corn, potatoes, cow testing, gardening, canning, bread making, sewing, bees, and Red Cross work will be some of the topics discussed during this week.

FEDERATION ELECTS

Farm Club Organization Holds Annual Business Meeting.

The Minnesota Federation of Farmers' Clubs at its annual meeting during Farmers' and Home-Makers' Week at University Farm, re-elected L. H. Bugbee of Carleton, president and Sam Hammerbeck of Little Falls, treasurer. J. R. Blackburn of Pine River was chosen vice president. The directors according to congressional districts are as follows: First district, A. L. Hoverstein, Waseca; second, Mrs. F. W. Knapp, Worthington; third, A. L. Sayers, Lakeville; fourth, Mrs. I. E. Richardson, New Brighton; sixth, E. V. Rinley, Park Rapids; seventh, Frank E. Millard, Canby; ninth, Carl Berg, Frskine; tenth, Mrs. Theodore A. Thompson, Constance. Mrs. I. E. Richardson of New Brighton is secretary, elected by the board of directors.

The federation passed a resolution approving the work of the Twin City Milk Producers association and deprecating "any curtailment of its just rights to cooperate and organize." The resolutions went even further, calling on lawmakers to pass resolutions establishing beyond question the rights of farmers to conduct cooperative business enterprises.

The federation adopted a new system of representation. The annual meetings hereafter will be made up of representatives from all the clubs rather than of two delegates from the different counties.

TWO HARBORS BOY WINS

Joseph Walsh Takes Championship in Potato Growing.

Joseph Walsh of wo Harbors, Lake county, has been announced as the winner of the state championship in the boys' and girls' clubs potato contest of last season. Joseph grew Rural New Yorkers, made a combined score of 71.66 on yield, financial report, exhibit, and story on "How I Helped Uncle Sam By Growing Potatoes." He wins a prize of \$25.

The contestants were divided according to variety of potatoes grown and prizes were offered in each class. The first and second prizes were as follows:

Rural New Yorkers: First, Edward Burnett, Mora, 70.1, prize \$15; second, Naimi Saari, Angora, St. Louis county, 66.46, prize \$10.

Green Mountain: First, Rudolph Videen, Mora, 71.1, prize \$15; second, Andrew Tofte, Tofte, Cook county, 70, prize \$10.

Early Ohio: First, Frank Christenson, Brainerd, 73.11, prize \$15; second,

Victor Jacobson, Aitkin, 68.6, prize \$10.

The highest yield was obtained by Rudolph Videen who grew 66 bushels on one-eighth of an acre. Rudolph's other work on which the score was based, however, was not so good as his potato growing.

Frank Christenson's score appears higher even than that of the state champion, but it was figured on a different basis for Early Ohio. Figuring on the same basis as the others, it would be lower.

Club Prizes

The Grand Rapids club won the first club prize of \$20 with a score of 75.14; School No. 1, District 70, St. Louis county, second, \$15, score 71.78; Brainerd, third, \$10, score 71.14; Lakeview, Two Harbors, fourth, \$5, score 68.48. Pennants were awarded as follows: School No. 86, St. Louis county; Castle Danger, Two Harbors; Silver Creek, Two Harbors; Salten Club, Two Harbors; Pine River, Bemidji, School No. 85, St. Louis county; Lincoln Club, Two Harbors; Waubun, Detroit, Sauk Rapids, Mahanomen.

Prizes for the contest were the gifts of the Northern Minnesota Development association.

1918 PRIZES

Fine Offerings for the Year's Boys' and Girls' Contests

The following prizes have been announced in the 1918 club work of the state:

By the Boys' and Girls' Acre Corn Contest: The boy of 15 years or over who makes the best record in each county will get a free trip to the 1919 state fair and membership in the boys' camp, providing that the corn project is one of the strongest in the county. A similar prize is offered in gardening, canning, calf growing, poultry growing, pig growing, and potato growing contests.

The Minnesota State Horticultural society has appropriated funds to provide free trips to the next annual meeting of the society, one to the state champion, one to the champion from each of the four districts, one to each of three members from the best club in the state and one to each of the two members from the second best club of the state. Also a ten dollar library of garden books for the boy or girl winning the highest state honors in the canning and gardening work. The four members winning second place in each of the four districts will be given four dozen E. Z. seal jars. Those receiving first place will receive eight dozen each. The club making the best record for state will receive 12 dozen E. Z. seal jars. These jars are all donated by the Hazel Atlas Glass Company, Wheeling, W. Va.

For the poultry growing contest, the publishers of Farm, Stock, and Home, Minneapolis, Minn., will give a grand championship prize of \$50, a second prize of \$20, a third prize of \$10, and \$2 to each of the ten next highest. The M. M. Johnson, company of Clay Center, Neb., will give a 120-egg "Old Trusty" to the club finishing with the largest number of members.

The DeLaval Separator company is the donor of four prizes of \$25 in the cow-testing project, one for the largest club in the state, one to the best individual in the club having the highest general average in the state, one to the best individual in the club having the second best average, and one to the best individual in the state. These scholarships are to be used in attending agricultural schools in the state.

The state fair management has again appropriated \$600 as premiums and expenses for the pig project. The Chester White Breeders' association will give ten purebred pigs as prizes in the Chester White class. The Duroc-Jersey association will give \$50 on a pro-rata basis for the best work with the Duroc. If the state champion pig is a Duroc, the winner will receive a beautiful gold medal from the association. Other prizes in all of the projects will be announced later. Address T. A. Erickson, University Farm, for further information.

Wheatless Rations for Chickens

The United States department of agriculture has been feeding a wheatless poultry ration in its regular experimental work at Beltsville, Maryland, with egg yields comparing favorably with those secured on rations containing wheat. The wheatless ration is as follows:

Scratch Mixture,
2 pounds cracked corn
1 pound oats
Dry Mash,
3 pounds corn meal
1 pound beef scrap

The scratch mixture and dry mash were used in about equal quantities. A flock of 30 Leghorn pullets fed this wheatless ration produced an average of 147.3 eggs apiece during their first laying year.

EXTENSION OFFICE ISSUES A CALL FOR MORE WAR GARDENS

Urges the Promotion of Farm and Home Gardens as Means of Increasing Food Supply.

The following letter from the Agriculture Extension Division of the University of Minnesota will be of interest to the teachers of the state.

"War conditions make it necessary for us to do many things. Food production is one of the most important factors in winning the war. A liberal supply of vegetables is an aid in saving wheat and meat and can be produced at home, thus saving transportation and other charges. Women and children can help, and save man labor. The home and farm garden is often neglected and does not furnish the supply of vegetables needed by the family. Sometimes this happens because the garden is not cultivated at the proper time. A short time ago a committee was appointed to consider the question of gardening. Representatives were present from the state department of education, federal food administration, department of botany of the University, biological section of the M. E. A., state horticultural society, and agricultural extension division, and it was decided that all appeals to school administrators and teachers be made through one office in order that there may be no unnecessary duplication of effort. We appeal to you to do what you can this season to stimulate your people in gardening. You have it in your power to start many boys and girls in school-home gardening, either as a patriotic duty or for credit. Gardening courses should be started soon by organization of classes or clubs under an enthusiastic and patriotic leader. Each pupil between ten and eighteen years of age should enroll as a member of the boys' and girls' garden club of the agricultural extension division. In this way all are members of the National Garden club directed by the United States department of agriculture—Helping Uncle Sam.

"The gardens should be large enough to provide the family with choice products while in season and a supply for canning or storing in cellars for winter use. Urge the use of more vegetables. Every day one or more vegetables should be served in addition to potatoes. A few years ago the consumption of fruits and vegetables was found to be about 15 per cent of the total food used. Students in dietetics state that 30 per cent could be used to advantage. "Eat twice as many vegetables" is a good slogan to use whenever asking people to save wheat and meat.

"The bearing apple trees can be made much more prolific if pruned and sprayed this spring. Doubtless, spraying is the most important because it prevents the severe losses caused by insects and diseases, especially the codling moth and scab. In Iowa last year, four sprayings cost on the average 41 cents per tree—average age 19 years—and the increased value of the crop was over \$5 per tree.

"We are planning to issue a series of outlines to aid in teaching gardening in the upper grades and high schools."

NEW DRAMA SERVICE

Aid in Giving Plays Offered by the University of Minnesota.

Schools and other organizations that are planning to give plays may now receive assistance from the general extension division of the University of Minnesota. This division has organized a drama service in charge of a professional coach. Schools that are searching for plays suitable for amateur production may send to the extension division, describe their needs, and have sent out to them three or four suitable plays from which to make a selection. The plays may be examined in this way, but they must be returned promptly to the general extension division and copies bought from the publishers for use in preparing the production. It will also be possible for schools which need the services of a professional coach to obtain such services at the lowest possible cost through the extension division. Schools and societies interested in drama service may receive further information by addressing: General Extension Division, University of Minnesota, Minneapolis.

Minnesota Gets \$135,000 For Conservation

Dean R. W. Thatcher of the agriculture department of University of Minnesota, recently back from Washington, D. C., says that Minnesota has been granted an emergency fund of \$135,000 to help carry on the food conservation campaign and other emergency work. He says also, that under the Smith-Hughes vocational bill Minnesota will receive \$60,000 the first year to aid in the establishment of secondary vocational schools. This sum will be increased from year to year.