

THE NORTHWEST MONTHLY

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VOL. II.

CROOKSTON, MINNESOTA, APRIL-MAY, 1918

No. 5-6

COMMENCEMENT AND CLOSING EXERCISES.

The twelfth annual commencement marked the close of another very successful year at the Northwest School of Agriculture. In spite of war conditions with their demands upon the young men and women for labor to fill the places left vacant by those who have gone to fill the ranks of the army, the enrollment has been very large. During the fall term, it was the largest that the school has had since its beginning. An exceedingly fine spirit has prevailed throughout the year among the student body. It has been reflected in patriotic response to all calls for service. Every student joined the Red Cross. The Y. M. C. A. was also given unanimous support. A number of boys have enlisted, and the rest are enthusiastic to join the army of the soldiers of the soil to do their bit behind the line. The girls have taken an active part in Red Cross work.

The same spirit of patriotism and service was the dominant note throughout the commencement exercises. The demonstrations by the graduates were lessons in food production and conservation. The speeches were eloquent appeals for loyalty and unselfish support of our government in the present conflict.

The general plan of events was announced in our last issue.

Interclass Field Meet, March 23.

This field meet was one of the most successful that has taken place at the school. The events were closely contested, the Seniors finally winning first place by a very close margin. The program included a number of novel and amusing stunts.

Baccalaureate Service, March 24.

Reverend W. E. Dudley, of the Congregational church delivered the address of the day. He took for his subject "The Spirit of Service" and on that theme delivered a most inspirational sermon. He said that man is not regarded for what he knows, but for what he does; not for what he accumulates but for what he gives. It is service that makes the distinction between the savage who lives in isolation and the civilized man who lives in communities. In our modern complex societies of interdependence, our very existence is dependent upon mutual helpfulness. The rate of our progress in civilization has depended upon our ability and our willingness to sacrifice for our fellows. The present world crisis is a struggle to determine whether a democratic government based upon brotherly love or an autocratic rule based upon selfishness and force under the false pretense of divine right of kings, shall dominate the world.

He said that to honor their Alma
(Continued on page 2)

1918 SCHOLARSHIP AWARDS.

THE SCANDIA AMERICAN BANK SCHOLARSHIP, provided by the Scandia American Bank of Crookston for greatest progress: 1st, Stanley Arneson, Senior class, Shelly, \$75.00; 2nd, Milton Warner, Freshman class, Warren, \$50.00; honorable mention: Hilda Nyquist, Junior class, Fertile; and Ruby Knutson, Freshman class, Goodridge.

THE LIVE STOCK COURSE SCHOLARSHIP, provided by Mr. A. D. Stephens, Crookston, for greatest progress in live stock course. 1st, Albin Johnson, Senior class, Fertile, \$75.00; 2nd, Martin Rud, Senior class, Viking, \$50.00; honorable mention: Newell Lee, Senior class, Halma; and Henry Nabben, Junior class, Thief River Falls.

THE PUBLIC SPEAKING AND DEBATING SCHOLARSHIP, provided by members of the Northwest School Faculty for greatest progress in public speaking and debate: 1st, James Felber, Freshman class, Crookston, \$60.00; 2nd, Melvin Bengtson, Freshman class, Wannaska, \$40.00; honorable mention: Cora Lindfors, Senior class, Fosston; and Martin Saugen, Senior class, Newfolden.

THE HOME ECONOMICS SCHOLARSHIP, provided by Mr. W. T. Carlisle, Crookston, for greatest progress in Home Economics courses: 1st, Louise Edman, Freshman class, Alvarado, \$75.00; Adelia Westphalen, Junior class, Crookston; honorable mention: Clara Holm, Freshman class, Alvarado; and Lena Edman, Junior class, Alvarado.

THE HORTICULTURAL COURSE SCHOLARSHIP, provided by the University Weeks' Committee for greatest progress in Horticultural courses: 1st, Harold Morris, Senior class, Middle River, \$60.00; 2nd, Frank Jones, Senior class, Clearwater, \$50.00; honorable mention: Emil Hallgren, Senior class, Bronson; and Theodore Peterson, Junior class, Fisher.

THE NORMAL TRAINING COURSE SCHOLARSHIP, provided by the University of Minnesota Alumni of Crookston, will be awarded on May 25.

Summer School.

The summer session for teachers will be held at the Northwest School from June 17 to July 27. Superintendent J. H. Hay of Thief River Falls has been named conductor of the school, and the following persons of the Northwest School faculty will be instructors: Grace B. Sherwood, Hazel Rockwood, and J. P. Bengtson. Mrs. A. F. Haig has been appointed librarian and preceptress during the summer session.

NEW EXTENSION MAN AT

N. W. S. A.

A. M. Christensen, extension field man, is another addition to the station staff. He will be in charge of the Northwest Station cooperators' work throughout the valley. He comes highly recommended by the North Dakota Agricultural Extension department, in which he has worked since his graduation from North Dakota Agricultural College in 1916. During the past year he has been county agent of Pierce county, North Dakota, where he has done a great work in introducing live stock and in encouraging the growing of pure seed.

Mr. Christensen's chief work will be to supervise the home project work of the Northwest School students and of the clubs, with the county agents of the thirteen northwestern Minnesota counties who will conduct pure seed demonstrations. In supervising home project work, Mr. Christensen will visit the students at their home farms in order to create a greater interest in the summer practicum work of the school. This work is being done in cooperation with the state board for vocational training, organized under the provision of the Smith-Hughes act recently passed. Mr. Christensen has already secured a large number of pure seed cooperators, and the work among the students is developing satisfactorily.

NEW AGRONOMIST AT THE

N. W. S. A.

Since our last issue, F. L. Kennard has left Minnesota to become county agent at Colfax, Washington. R. O. Westley has been elected station agronomist to fill the vacancy, and has been in charge of the work since April 1.

Mr. Westley comes to the position especially well fitted for the work through technical college training, and through experience in agricultural investigation. Before entering college, he graduated from Guthrie county high school at Pandora, Iowa. In 1915 he graduated from the regular agronomy course of the Iowa state college, and in 1918 he took his master's degree, majoring in farm crops. For two years he has held a position as instructor in the school of agriculture at Ames, Iowa. Every summer while in college, he was employed on the station farm where his father is field superintendent. During his last year in college, Mr. Westley was assistant experimentist, and during 1916 and 1917 he had direct charge of the work in Corn Habitation there.

THE Northwest Monthly

Issued Monthly by
THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE

C. G. SELVIG, Superintendent

OFFICE

Northwest Experiment Station,
Crookston, Minnesota

A monthly publication in the interest of
agricultural education and home training for
Northwestern Minnesota.

OUR SUPPLEMENT.

No one can read the supplement which goes with this issue of the Northwest Monthly without feeling that real progress is being made along live stock lines in the Red River Valley. When one considers the high quality of the offerings listed in the supplement and notes the great interest that is being taken in raising acceptable live stock one cannot but feel that the future welfare of this great section of Minnesota is assured.

In order to make this exchange list effective we want to ask all of our readers to give the widest publicity to the stock listed for sale and the stock wanted. Mention it to all of your friends and neighbors. Additional copies of the supplement may be secured upon request to Superintendent C. G. Selvig, Northwest Experiment Station, Crookston.

As is stated in the supplement, the county agents are in close touch with the live stock breeders of their county and will do all in their power to aid prospective buyers in making the right selection of stock.

Let's all boost for more and better live stock in the Red River Valley.

Let us not forget the annual live stock exhibit and sale to be held February 10-15, 1919.

LARGE NUMBER OF PURE SEED COOPERATORS SECURED.

Hundreds of bushels of the choicest wheat, barley, oats, flax, and Early Ohio seed potatoes are being distributed by the Northwest Experiment Station to nearly two hundred cooperators who have taken up this work. These men purchased seed for from one to three acres each, and will have a source of pure seed for their own fields as a result if precautions are taken to keep the field clean. This work is being carried on under the direction of A. M. Christensen who joined the Northwest School and Station Staff on April 1. He has visited a large number of the Red River Valley counties working in each case in the closest and most direct touch with the county agents. He reports a very great interest in this line of work which will grow each year as its value is more fully demonstrated.

At the same time, Mr. Christensen is supervising the home work project of the Northwest School students and former students. They are taking a great interest in this line of work.

COMMENCEMENT AND CLOSING EXERCISES.

(Continued from Page 1)

Mater the graduates must go home to translate their training into service. The value of their education must be determined by the measure of their ability and willingness to work and sacrifice to make their farms more productive and their homes better and happier places in which to live.

Music Students' Recital, March 25.

This closing exercise of the music department proved, by the excellence of the program and by the number of participants that great interest has been taken in the work of this department and that progress has been made.

Reception to Graduating Class, March 26.

The reception at the home of Mr. and Mrs. Selvig in honor of the Senior class will be remembered as one of the most pleasant events of commencement week. The host and hostess fully maintained their reputation as royal entertainers who could develop among their guests a wonderful wealth of talent for merry-making.

Cantata and Inter-Society Debate, March 27.

The cantata, "The Call of Summer," was a great success, and reflected the excellent training that the students are getting under the inspiring leadership of M. Lucille Holliday, head of the music department.

The question for the annual inter-society debate this year was "Resolved that the government of the United States adopt a policy of permanently regulating the price of staple food products." The affirmative was upheld by the Pioneer society, represented by Milton Warner, '20; Martin Rud, '19; and Harold Morris, '18. The negative was upheld by the Lincoln society, represented by James Felber, '20; Albin Johnson, '19; and Frank Jones, '18. The much coveted silver cup was wrested from the Pioneers who have held it for two years. The Lincoln society won by a decision of two to one.

Commencement Day, March 28.

A large crowd was in attendance in the afternoon to hear President Burton and to see the graduates receive their diplomas. Everyone was stirred by the president's eloquent appeal for individual service to home, community, and nation. He chose for his subject, "Living on a War Basis." He analyzed the great conflict, and from it drew most practical lessons for the guidance of individual lives.

He emphasized the fact that this war is a conflict of standards, and that every nation engaged in it is using every ounce of its energy to defend and preserve its own particular ideals. In the same way, he said, every individual must set up for himself a standard of life. He must be animated by a desire to reach a certain goal. Without such dreams and visions, he is, in all essentials, dead. As every nation has an all-absorbing devotion to its particular cause, so too must the individual give himself, heart and soul, to the pursuit of his chosen ideal if he hopes to succeed. Moreover, he must be prepared to defend this chosen ideal. By this war we have been taught as never before the meaning of preparedness, conservation, obedience, accuracy, and instantaneous response. We must have

a new appreciation of the value of knowledge. We must anticipate the future.

In short, we must, in order to keep abreast of the times, bend every energy, develop every faculty, improve every latent ability within us; otherwise we shall find ourselves in the great period of reconstruction which is to follow the war, so far behind the procession that we shall be forgotten.

List of Graduates.

Thomas E. Abbott, Mentor.
William Stanley Arneson, Shelly.
Arthur William Cawelti, Crookston.
Emil Hallgren, Bronson.
Carl Dedrick Isaacson, Thief River Falls.

Anna Johnson, Fisher.
Earl W. Johnston, Angus.
Frank H. Jones, Clearwater.
Ida Christina Lanager, Plummer.
*Clarence Amos Lee, Roseau.
Newell O. Lee, Halma.
Beda Florence Lindfors, Fosston.
Cora Teresia Lindfors, Fosston.
Harold Paul Morris, Middle River.
Bernard Earl Moses, Pelican Rapids.
Emma Pederson, East Grand Forks.
Fred Peter Rubert, Orleans.
Oscar Elwood Samuelson, Crookston.
Martin Saugen, Newfolden.
Arthur William Skonovd, Viking.
Guy Gregor Spokely, Nielsville.
Alfred Wiger, Ulen.

Teachers' Training Diploma.

Amanda Ecklund, Hallock.
Josie A. Imsdahl, Oslo.
Amy Alice Malakowski, Lockhart.
Esther M. Malakowski, Lockhart.
Johanna Monson, Drayton, N. Dak.
**Dora B. Temple, Roseau.

**Rachel Ulvin, Wannaska.

Advanced Class Certificates.

*Charles Auburg, Bagley.
Florence Clara Haenke, Eveleth.
*Walter A. Peterson, Lancaster.
*Walter H. Sheridan, Minneapolis.
Oscar Tunheim, Newfolden.
* Enlisted in United States service.
** Special certificates.

Alumni in Service Remembered.

After the diplomas had been presented to the graduates by President Burton, Superintendent Selvig, in a brief address, reviewed the year's work and expressed in behalf of the institution, appreciation to all who had been working together in the spirit of service at the Northwest School and Station. He called particular attention to what the school is attempting to do in aiding the government in this great crisis. In concluding he paid a tribute to the boys of our school who are now in Uncle Sam's service. During the reading of the honor roll the entire audience stood.

THE 1918 JUNIOR SHORT COURSE.

The Junior Short Course at the Northwest School of Agriculture during the week, April 1-6, was a great success if interest and enthusiasm on the part of the boys and girls is a criterion of its value. Special emphasis was placed upon club work, and the various industrial contests were the bases of the lesson plans in the class work. The pig, the calf, potatoes, corn, poultry, war bread, sewing, and Red Cross work were the popular topics, and the boys and girls pledged themselves to help the country in greater production and in food conservation in one or more of these ways.

The community singing under the

direction of Miss Holliday was a feature of each evening program. Great progress was made, and the results shown in the singing contest the last evening were remarkable.

The various judging contests were the main feature of the closing day, and great enthusiasm prevailed as the awards were made to the following winners: Stock judging—Clifford Marshall, Crookston, first; Vernard Gunnes, East Grand Forks, second; Howard Sheppard, Lockhart, third; William Froiland, Plummer, fourth; and Alfred Olson, Beltrami, fifth. Potato judging—Bradford Miller, Farley, first; Ward Blackman, Lockhart, second; Loring Wheeler, Crookston, third; Joseph Ball, Crookston, fourth; and Ralph Johnson, Climax, fifth. Corn judging—George Crouse, Spur, first; Walter Gilbertson, Erskine, second; Gordon Steenerson, Erskine, third; Rufus Logan, Ada, fourth; and Carl Engebretson, Fosston, fifth. Bread baking contest—Evelyn Johnson, Kennedy, first; Francis Olson, Lockhart, second; Esther Carlson, Halstad, third; Selma Overland, Melvin, fourth; and Alma Englebrakson, Drayton, North Dakota, fifth. Sewing—Ethel Olson, Badger, first; Millie Clementson, Fertile, second; Alice Arends, Borup, third; Helen Schornick, Lockhart, fourth; and Beatrice Traugher, Lockhart, fifth.

The enrollment this year was fifty per cent greater than last year. Still more boys had planned on coming back but on account of favorable weather stayed home to do field work. The largest delegation from any one town came from Kennedy in Kittson county. Lockhart of Norman county was a close second. Norman county, next to Polk county, sent the largest representation from any one county. Ross, in Roseau county, has the credit of sending a representative from the greatest distance.

Y. W. C. A.

The Y. W. C. A. of our school has been attended with great interest this year. The association has met every Thursday evening, and has given excellent programs. All the girls have been present at each meeting, and have been willing to do their part in making it a success. The subject of the programs has been "The Ideal Christian."

The meetings have developed not only a social feeling among the girls, but also the ability to talk on given subjects and to lead meetings. A different girl has led each time.

At the annual business meeting the following officers were elected for next year: Hilda Nyquist, president; Lettie Rubert, vice president; Evelyn McCarthy, secretary; Olga Spjut, treasurer; Thelma Kella, chairman of program committee; and Miss Rockwood, adviser. The following officers for this year retired: Johanna Monson, president; Amy Malakowski, vice president; Anna Johnson, secretary; Hilda Nyquist, treasurer; Amanda Ecklund, chairman of program committee; and Miss Rockwood, adviser.

The last meeting of the year was a very interesting one. The topic for discussion was "The Ideal Christian—Her Cooperation With Others." Several interesting talks and musical selec-

tions were given. After the program the old officers served refreshments in honor of the new officers.

The first program for the next year has already been planned, so that work may begin immediately at the opening of the fall term of school.

AGRICULTURAL EXPERIMENTAL ASSOCIATION.

At the call of the Northwest Experiment Station, about thirty-five alumni of the Northwest School of Agriculture met in the Commercial Club room at Crookston on February 14 and organized the Northwest Experiment Association. Professor F. L. Kennard acted as chairman of the meeting and briefly outlined the value and purpose of such an organization and how the results of the varietal and pure seed tests could be checked in each community, and how such work could be made of value to the state and district as a whole.

T. M. McCall spoke on the value of growing pure bred seeds of grain crops and such other field crops as potatoes. It was urged that the alumni of the school take the leadership in the introduction and maintenance of pure bred seeds to start with and to work toward the growing of pedigreed strains of varieties of field crops.

After an enthusiastic discussion by the alumni of the need of such an organization, it was moved and unanimously carried that such an organization be formed. Mr. John Hest of Perley was elected as president, Herman Skyberg of Fisher was elected vice-president, and the agronomist of the Northwest School and Station was elected as secretary-treasurer. Mr. Kennard announced that he would be leaving the state, and T. M. McCall was elected to act as secretary pro-tempore from the time of Mr. Kennard's departure until his successor could take up the work.

The work of the organization as outlined for 1918 is as follows:

1. All members to grow pure seed plots of as many types of field crops as are grown on the home farms, of the varieties that have done best in the respective communities, and are worthy of reproduction. Such seed plots to be on land free from noxious and inseparable weeds and such plots to be checked over carefully at heading time and all varietal mixtures removed. The plot so treated to be threshed and kept separate and the seed to be used for foundation stock.

2. Each member is also urged to try at least one acre of some one or more varieties of the field crops that have been making good performance records in the tests at the Northwest Experiment Station. Such varieties to be tested in comparison with homegrown or local varieties grown under similar conditions.

3. It will be the aim of the association to eliminate as far as possible all diseases from seed stocks of both grains and potatoes, that all grains in so far as necessary be treated with disinfectants before being planted in pure seed lots, and that all potato pure seed plots be planted with disinfected seed.

To get in touch with all of the alumni, it was decided to send a ques-

tionnaire to each alumnus to find the number of those willing to grow pure seed plots and also those willing to test the pedigreed strains grown at the Station. At present there will be no membership fee, any one can become a member by agreeing to grow pure bred strains according to the rules of the association. All interested are asked to register at once, so that all plots can be inspected at least once during the summer by the Experiment Station field man.

The secretaryship of the association will be turned over to Mr. Westley, and all future correspondence should be referred to him.

T. M. McCALL, Acting Secretary.

SENIORS GIVE THESES.

The Senior theses given by the members of the 1918 graduating class at various times during January, February, and March, covered an interesting number of subjects relating to farm and home life. Each Senior prepared his thesis and delivered it as a brief address to the school at assembly period. With one or two exceptions copies of these theses have been retained at the school library, where they will be bound and kept permanently.

The list for 1918 follows:

Senior Theses 1918.

Abbott, Thomas	Mentor
Raising the Dairy Calf.	
Arneson, Stanley	Shelly
Advantages of Crop Rotation.	
Cawelti, Arthur	Crookston
The Importance of Sheep in Northern Minnesota.	
Hallgren, Emil	Bronson
The Economic Aspects of the Milking Machine.	
Isaacson, Carl	Thief River Falls
Choosing a Farm.	
Johnson, Anna	Fisher
Bandaging.	
Jones, Frank	Clearwater
Is the Rural Credit Problem Solved?	
Lanager, Ida	Plummer
Our Part in the Red Cross Work.	
Lee, Clarence	Pencer
The Origin of Northwestern Minnesota Soils.	
Lee, Newell O.	Halma
The Care of Milk on the Farm.	
Lindfors, Florence	Fosston
War Service in the Home.	
Morris, Harold	Middle River
Meats on the Farm.	
Moses, Bernard	Pelican Rapids
The Production of Alfalfa in the Red River Valley.	
Pederson, Emma	East Grand Forks
The Planning of Meals in War Time.	
Rubert, Fred P.	Orleans
Vegetable Growing in the Red River Valley.	
Saugen, Martin	Newfolds
The Growing of Strawberries in the Red River Valley.	
Samuelson, Oscar	Crookston
The Ideal Class (Class Oration).	
Skonovd, Arthur	Viking
A Feasible Plan for Land Settlement in Northern Minnesota.	
Spokely, Guy G.	Nielsville
Regulation of Water Power Rights. The Class of 1918 (Salutation).	
Wiger, Alfred	Ulen
Farm Management and Labor Income in the Red River Valley.	

SPECIAL WAR ACTIVITIES IN POLK COUNTY RURAL SCHOOLS.

Supt. N. A. Thorson, Crookston.

To give any detailed account of the special war activities in the 225 Polk county rural schools is not possible in the space allotted to this article. There are certain lines of endeavor common to all the schools, such as the sale of Red Cross seals, the distribution of food pledge cards, patriotic exercises and programs, which have been uniformly successful. During the holiday sale, our rural schools sold 48,800 seals. While a portion of this fund goes to support the battle against tuberculosis, it is patriotic work in promoting human conservation. The Red Cross seal sale was given more than usual vigor through the increased devotion of the school children to the cause of humanity. The distribution of food pledge cards through the schools was a well-appointed plan, as no other institution operates so closely to the homes as does the school.

Limited space allows mention of only a few of the many excellent reports from teachers in our rural schools. The name of the teacher is given with each district.

District 4—Annie M. Berland—Knitting wash cloths. Sold 525 Red Cross seals. Studied flag etiquette and life of Lincoln. Gave patriotic program in December.

District 188—Clara M. Sollie—12 food card signatures, 7,000 Red Cross seal sale, 2 war stamps, ambulance pillows, 20 handkerchiefs. Have begun making wash cloths, secured 20 Red Cross members and have not yet covered entire district.

District 137—Almira Torgerson—Planning program and play to raise funds for Red Cross.

District 31—Alda Driscoll—Pupils bought 2 savings stamps, 3 thrift stamps and teacher bought Liberty Bond. Present flag is torn and pupils are selling buttons to buy another.

District 78—Hazel Lobb—Four minute men exercises held on appointed day. Eighth grade did especially well. Through their appeal many savings stamps were sold. Some of the older girls have learned to knit. Many patriotic programs are being given.

District 84—Ethel Humphrey—Pupils have made booklets for Red Cross gunwipes, snippings for pillows.

District 83—Minnie Bensen—Weekly 10 minute program on patriotic subjects; outdoor program on February 12. When "Our Flag" was sung, one of the boys hoisted flag—flag salute given. Club members see to it that food cards are displayed in windows. Club treasurer operates a Red Cross bank into which savings are placed. On January 18, club discussed thrift and war stamps. Parents and friends were invited. \$20 worth of thrift stamps were bought by pupils; money earned by trapping, sweeping floor, and running errands. Red Cross sewing to be commenced.

The special junior membership drive from February 12 to 22 is now being conducted in the schools.

Last but not least should be mentioned the fact that the kindly act of three rural school girls in District 17, Nielsville, in donating three cockerels to be sold for Red Cross benefit at

the Farm Crops show netted the county chapter nearly \$300. Congratulations are due Mildred, Elizabeth, and Mary Glover on their successful idea.

The above brief statements have been selected to indicate the variety of activities rather than to cover what each school has done.

RED CROSS PENNY CARNIVAL.

A Penny Carnival was given Saturday evening, March 16, in the Hill building for the benefit of the campus Red Cross Auxiliary.

From 7:30 when the carnival opened, until midnight, when it closed, the "pike" which included the entire Hill building was crowded with fun seekers. And there was no lack of fun. Nothing was missing. On the pike were to be found the Ten Thousand Dollar Beauty; the Joke Parlor; the Topsy Turvy Cave; the fish pond; the artist who could draw a perfect likeness in one minute; the fortune teller; and Germany where for a penny a throw you could "Swat" the Kaiser.

The "vod-ville" was there of course. Here James Felber, a blushing Dolly Darling, and Clarence McCrae as the strong man, made a great hit. Prof. Albin Johnson and his baazzolian added much to the merriment of the evening.

The Darky Quartette, Mr. Bengtson, Mr. McCall, Mr. Larson, and Newell Lee gave an interesting program of darky songs. The "Gentlemen of Color" were favorites on the pike.

The "Country Store" drew big crowds. It was very realistic and showed much cleverness.

The Kangaroo Court with Judge Soak e'm Sambo Bengtson and Chief Sleuth Brown was the most popular place on the pike.

Altogether the Penny Carnival was a great success, and the Red Cross organization added materially to its coffers.

LIBERTY LOAN DRIVE.

The members of the Northwest School and Station staff and employees subscribed \$3,000 to the third liberty loan as a part of the quota of Crookston township in which the Northwest Experiment Farm is located. A very ready response was made by all. The most notable subscription was that of Mr. Julius Schultz employed as stock feeder in the Animal Husbandry department who purchased \$200 worth of liberty bonds on first call, and the next day thinking that he had not quite done his duty, added \$50 more. Mr. Schulz is a good American of German parentage whose act is worth recording.

The following letter was received on April 26 from Dean R. W. Thatcher:

Mr. C. G. Selvig,
Crookston, Minnesota.

Dear Mr. Selvig:

I have your note of the 22nd inst. enclosing list of the Liberty Loan subscribers at the Northwest School and Station. Please accept my hearty congratulations to yourself and members of your staff for this most excellent showing.

Very truly,

(Signed) R. W. THATCHER,
April 24, 1918. Dean and Director.

BARBERRY ERADICATION.

The Minnesota Public Safety Commission has issued an order requesting the voluntary eradication of the common barberry and the purple leaf barberry by May 4 and for compulsory eradication after May 10. In so far as Minnesota is concerned this closes an interesting chapter in the development of its agriculture. A great deal could be written about the work that the Minnesota Red River Valley Development Association has done in urging action in Minnesota and before the United States Department of Agriculture but space does not permit. The work in Minnesota is to be directed by Dr. E. M. Freeman, chief of the plant pathologist division of the College of Agriculture. Dr. E. C. Stakman of the University of Minnesota has been appointed in charge of this work in the upper Mississippi Valley, and has been actively engaged in securing action against the barberry in all the states of that section. The governor of South Dakota has issued an order for voluntary eradication, and in the other states where there are no laws applicable educational campaigns are being carried on urging the people to eradicate the barberry as a patriotic measure in the interests of food conservation.

Superintendent C. G. Selvig and many others in this section of the state have strongly urged the action taken by the Public Safety Commission. Resolutions favoring barberry eradication were adopted at the December 11, 1917, meeting of the Minnesota Red River Valley Development Association as well as during the Farm Crops Show. Many inquiries are being sent to the Northwest Experiment Station about the barberry to ascertain which varieties harbor the rust spores and which do not. The Japanese barberry is not under the ban, but as was stated before the common barberry and the purple leaf must be destroyed after May 10.

The 1918 Red River Aggie.

The publication of the Red River Aggie has been delayed this year on account of inability to have the printing done at the usual time. It is in the hands of the binders at the present time, however, and will be ready for distribution about May 15. It is a beautiful book of one hundred twenty-eight pages, and will be a source of pleasure to all who are fortunate enough to secure a copy. Much credit is due the Board of Editors who had charge of this annual.

Summer Meeting of the Red River Valley Live Stock Breeders' Association.

The Red River Valley Live Stock Breeders' Association meeting will be held at Warren on June 13 followed by a meeting of the Red River Valley Development Association. A committee of Warren citizens composed of R. C. Mathwig, C. L. Spaulding and J. S. Hilleboe; F. A. Green of Stephen; and A. E. Pfiffner of Argyle will meet in Crookston within a few days to confer with Superintendent Selvig and with the officers, C. H. Zealand, secretary, and S. M. Sivertson, president of the Red River Valley Development Association in regard to plans for the meeting and program.

COUNTY AGENTS

The county agents of the various counties will be glad to assist in inspecting stock. Their names follow:

Becker	H A. Nelson, Detroit
Clay	A. C. O'Banton, Moorhead
Clearwater	E. H. Martin, Bagley
Kittson	W. V. Longley, Hallock
Mahnomen	Victor Dryden, Mahnomen
Marshall	John Huseby, Warren
Norman	Henry P. Brandt, Ada
Ottertail	J. V. Bopp, Fergus Falls
Pennington	Ross P. White, Thief River Falls
Polk	R. H. Van Scoik, Crookston
Red Lake	C. C. Lake, Red Lake Falls
Roseau	Oscar M. Olson, Roseau
Wilkin	L. S. Stallings, Breckenridge

District Leader, W. E. Morris.

NOTICE.

The lists which follow were sent in by the county agents to the Northwest Experiment Station to serve as a sale or exchange list. Any changes or modifications should be reported to Superintendent C. G. Selvig, Crookston, in order to keep the list up-to-date. It is hoped in this way to fill the needs of those who have stock for sale, and of those who wish to dispose of breeding stock.

STOCK FOR SALE

SHORTHORNS:

- Paul Qually, Westbury, 2 Reg. Shorthorn bull calves—\$100.00 each.
- H. P. Matson, McHugh, 1 grade Shorthorn heifer—\$40.00.
- O. E. Otterson, Audubon, 1 Short-bull calf—\$100.00.
- E. O. Fuder, Rothsay, pure bred Shorthorn bull—\$250.00.
- Frank Sullivan, Kent, Reg. Shorthorn bull, 8 months—\$120.00.
- Friedericks Bros., Foxhome, Reg.

W. J. Campion, Angus, 1 pure bred Shorthorn bull yearling.

J. W. Denhart, Hazel, 2 pure bred Shorthorn bull calves, born 1-1-18.

Hans Skogstad, Thief River Falls, one pure bred Shorthorn bull, born 12-17-16, and one pure bred Shorthorn bull born 10-8-16.

R. J. Mc Kercher, St. Hilaire, 1 Shorthorn bull, born June, 1917.

Jens Letnes, Thief River Falls, 4 Shorthorn heifers, fresh.

N. O. Schalz, Wylie, one Shorthorn cow, weight 1200 lbs.

E. E. Hackett, one pure bred Shorthorn bull, 2 years.

Alfred Hammarsten, Kratka, one pure bred Shorthorn bull, 6 years.

William Smith, Thief River Falls, one pure bred milking Shorthorn cow, 5 years, and one pure bred heifer calf, eight months.

Victor Dryden, Mahnomen, 1 pure bred dual purpose Shorthorn bull, 4 years old—\$150.

A. C. Knudtson, Warren, one red 3 year old milk strain Shorthorn bull for trade or sale.

Oscar Ryden, Hallock, 2 Shorthorn bulls, 6 and 8 months.

C. H. Folz, Kennedy, 2 Shorthorn bulls, 10 months.

Awley Anderson, Hallock, Shorthorn cow.

N. W. Experiment Station, Crookston, has P. B. roan Shorthorn milking strain bull, born 1-29-18; red (some white) Shorthorn bull, born 3-7-18.

Jens Torgerson, Dalton, 1 December bull calf out of a splendid milker, price—\$100.

J. V. Bopp, Fergus Falls, has lists of several other Shorthorn bull calves.

HOLSTEINS:

- Andrew Dahlen Detroit, 1 Holstein bull calf—\$65.00.
- N. P. Hanson, Westbury, 6 Reg. Holstein bull calves—\$100 and up.
- R. A. Parker, Frazee, 1 Reg. Holstein bull—\$175.00.
- C. F. Sell, Detroit, 1 Reg. Holstein bull—\$125.00.
- Peter Schram, Frazee, 5 Holstein bull calves—\$75 to \$100.
- Oscar and Elmer Oie, Roseau—4 months pure bred Holstein bull calf (Duke Pontiac Volga Mercedes)—\$125. Well developed, nicely marked and

W. H. Moore, Hallock, including 2 bulls fit for service.

B. E. Sundberg, Hallock, Holstein bull calves.

E. W. Smith, Parkers Prairie, 3 pure bred Holstein bulls, 3 to 7 months old.

K. K. Peterson, Rothsay, pure bred Holstein bulls, 1 year and under.

McNelly & Harper, McIntosh, 4 pure bred Holstein bulls, one to seven months old.

H. P. Matson, McHugh, 1 grade Holstein heifer—\$18.00.

V. C. Noper, Thief River Falls, one pure bred Holstein bull calf.

Hans C. Jaspersen Plummer, three grade Holstein heifers coming two years old.

N. W. Experiment Station, Crookston, two superior high grade bred Holstein heifers and one yearling. One registered bull, mostly white, born 9-21-18; and registered Holstein bull, mostly black, born 10-27-17.

Wm. Wright, Fergus Falls, bull calf, 10 months old; 4 bull calves 2 to 5 months old from A. R. O. dams, good size.

N. H. Gray, Fergus Falls, 2 bull calves, 6 months old from dams ¾ white. Price \$125. 10 months old bull calf, \$125; 2 bull calves, 3 months old from 12 to 15 pounds dams, \$100-\$125.

Herman Telcamp, Fergus Falls, 3 bull calves from 2 to 5 months old from dams milking 50 to 65 pounds daily. Also 4 heifer calves.

John C. Benson, Pelican Rapids, 1 bull calf, 7 months.

Johnson-Knutson, Pelican Rapids, 5 fall and winter bull calves from splendid cows with records up to 23.

M. C. Kronemann, Fergus Falls, 3 winter and spring bull calves. From A. R. O. cows and from a sire weighing 2700 pounds who has a 1200 pound sister and whose dam made over 950 pounds of butter.

RED POLLED:

- Ole K. Black, Audubon, 6 yearling heifers, and one Polled bull—\$50.00.
- Hamilton & Son, Frazee, 1 Red Polled bull.
- A. J. Burgerson, Lake Park—1 grade Durham Bull—\$60.00.
- R. L. Muzzy, R. No. 2, Thief River Falls, one Polled Durham bull, born

HEREFORDS:

K. O. Balstad & Sons, Fosston, 12 head registered Hereford bulls, from 9 to 16 months old, from Peerless Perfection stock, \$150 to \$250 each.

L. L. Riley, Fergus Falls, 17 bulls from 6 months to a year. Splendid individuals.

Oakwood Stock Farm, Battle Lake, bulls of all ages for sale.

GUERNSEY:

E. E. Burnham, Detroit, 1/2 Guernsey (fresh)—\$85.00.

A. C. Danielson, Rothsay, 1 year old Guernsey bull—\$200.00.

R. A. Danicourt, Breckenridge, 2 yearling Guernsey bull calves.

H. O. Ness, Wolverton, 2 registered Guernsey cows.

John Engelbart, St. Hilaire, one grade Guernsey cow with calf.

Theo. L. Olson, Kratka, five Guernsey yearling bulls.

Stuart McLeod, Goodridge, one pure bred Guernsey sire, three years old.

Leonard Houske, Ada, Halstad, 30 high grade Guernsey cows and heifers. Tuberculosis tested. Herd average production 304 lbs. butter fat from L. L. Houske, est.

JERSEY:

J. T. Shannon, Richwood, 2 P. B. Jersey cows—\$150.00

C. R. Billings, Audubon, grade Jerseys—\$100 and up.

ABERDEEN ANGUS:

E. Purath, Red Lake Falls, 2 Aberdeen Angus bulls.

SWINE FOR SALE.

G.N. Morkassel, Warren, 5 pure bred

Duroc Jersey gilts bred to farrow in May, weight 150 to 200 pounds at \$50 each.

Joseph Ryden, Hallock, Duroc Jerseys

Wm. Anderson, Hallock, Duroc Jerseys.

E. W. Smith, Parkers Praire, has two pure bred Duroc Jersey gilts for sale at \$50 each.

L. C. Olson, Hitterdal, Reg. Duroc Jersey pigs—\$50.00.

BERKSHIRE:

McNelly & Harper, McIntosh, pure bred Berkshire pigs.

Nels E. Nelson Fertile, 1 pure bred Berkshire boar, 21 months old.

CHESTER WHITES:

George Lindgren, Hallock, Chester Whites.

J. E. Sundberg, Kennedy, Chester Whites.

C. W. Correll, Thief River Falls, Chester White pigs.

Earl Columbus, Red Lake Falls, 10 I. C. Chester White boar, 4 or 5 years.

POLAND CHINA:

J. B. Dawson, Tenney, Poland China brood sow.

McNelly & Harper McIntosh, pure bred Poland China pigs.

S. B. Babcock, Detroit, 1 Reg. Poland china sow—\$75.00.

G. E. Roth, St. Hilaire, one Poland china boar, one year, et. 400 lbs.

SHEEP FOR SALE.

A. W. Sanderson, Park Rapids, one Reg. Shropshire buck—\$35.00.

HORSES FOR SALE.

Victor Dryden, Mahnomen, team of high grade Percheron mares, 7-8 years old. One in foal, dapple gray, well matched, weight 3200, price—\$500.

Jane Hagen Farm, Kennedy, 3 Percheron stallions.

Isaac Vanderbleek, Kennedy, Percheron stallion.

Paul C. Buth, Wolverton, 2 horses.

Henry Kosek, Breckenridge, team work horses, 300 lbs.—\$300.

Agnes Van Wechel, Wolverton, team work horses.

Theo. Brackin, Fairmount, N. Dak., team mares, weight about 1 ton—\$225.

E. D. Plaisted, Breckenridge, 4-year-old Percheron stallion—\$500.

A. W. Hanson, Audubon, 1 black mare—\$175.00.

Alfred Ammermar, Ulen, 1 mare—\$125.00.

Curtis Abbott, Osage, team of colts and mare—\$325.00.

W. H. Jeffery, Detroit, 1 mare—\$150.00.

W. P. Wilson, St. Hilaire, one 7-year-old gelding, weight 1400 lbs.

H. C. Jarr, Rhoda, one gray black Percheron mare, weight 1300 lbs.

Geo. H. Buck, St. Hilaire, one standard bred trotting horse, 8 years old, weight 1000 lbs.

Abraham Newton, Thief River Falls, two draft work horses.

R. G. Barrow, Erskine, 3 Percheron stallions.

STOCK WANTED

SHEEP:

R. F. Quaintance, Crookston, yearlings or older ewes.

Victor Dryden, Mahnomen, 50 pure bred or high grade Shropshire ewes.

Mrs. Anna Brager, Brager, 1 grade Shropshire male lamb.

HOLSTEINS:

Victor Dryden, Mahnomen, 3 pure bred Holstein bulls, 1 to 2 years old.

A. W. Hanson, Audubon, 2 young Holstein cows.

W. J. Peet, Wolverton, yearling Holstein bull.

SHORTHORN:

Christ Tangen, Frazee, Shorthorn bull calf, (milk strain).

Lewis A. Larson, Ulen, Shorthorn bull calf.

J. A. Anderson, Dale, 1 Shorthorn heifer.

Richard Nelson, Frazee, Shorthorn bull, 1 year old.

Mrs. Anna C. Brager, Brager, 1 Shorthorn bull calf (Grade).

G. J. Czichotzki, Wolverton, yearling Shorthorn bull.

Victor Dryden Mahnomen, 3 pure bred Shorthorn bulls, 1 to 2 years old (beef).

Alfred Ammermar, Ulen, 1 bull, milking Shorthorn.

HEREFORD

F. W. Papke, Campbell, Hereford bull.

Oscar Roos, Pelan, Hereford bull, ready for service.

RED POLL:

Peter Thorsen, Ulen, Red Poll cattle.

Hamilton & Son, Frazee 1 Red Poll bull.

CATTLE:

Agnes Van Wechel, 10 calves under 1 year.

Albert Ladurg, Audubon, 25 head of young cattle, 4 months to 1 year steers and heifers.

S. G. Morehouse, Frazee, 2 or 3 yearling steers.

R. A. Parker, Frazee, few thin steers or heifers.

HORSES:

Ed. Bjelland, Rothsay, 2 year old horse.