

THE NORTHWEST MONTHLY

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VOL. I.

CROOKSTON, MINN., OCTOBER, 1917

No. 11

COMING EVENTS

THE ARGYLE GRAIN SHOW.

This has become a notable annual event indicating what a wideawake community can do when all of its citizens work together. The second grain show will be held at Argyle the week of October 23. Profs. Kennard, Brown and McCall will assist in judging the products exhibited, and Supt. Selvig has accepted an invitation to address one of the meetings. Plans are under way to have a delegation of Crookston citizens spend a day at the show this year. Arrangements for this are being made by C. H. Zealand, Secretary of the Crookston Commercial Club, and S. M. Sivertson, President of the Red River Valley Development Association.

MINNESOTA EDUCATIONAL ASSOCIATION.

Miss Grace B. Sherwood and Superintendent Selvig have accepted invitations to address different sections of the Minnesota Educational Association at its meeting in Minneapolis, November 1, 2 and 3. Miss Sherwood will deliver an address on "Habit Forming," and Supt. Selvig will speak on "Minnesota Agriculture During War Time" before the agricultural conference. This meeting annually enrolls between six and seven thousand teachers, and is the most important educational gathering held in Minnesota during the year.

NORTHWESTERN MINNESOTA EDUCATIONAL ASSOCIATION.

The meeting of this association will be held at Thief River Falls, November 15 and 16. Various members of the Northwest School will give addresses before this meeting, including Miss Sherwood, Mrs. Anna Haig, and Miss Holliday. Mr. Foker has been appointed leader of the manual training round table, and Supt. Selvig is president of the association this year. Plans are being made to have one of the most successful meetings in the history of the association, and Thief River Falls is making preparations to entertain a large number.

RED RIVER VALLEY DAIRYMEN'S ASSOCIATION.

The Red River Valley Dairymen's officers have decided to merge their 1917 meeting with that of the State Dairymen's Association which will be held at Thief River Falls January 15, 16, and 17. This was decided at a recent conference. It was also decided that the various contests promoted by the Red River Valley Dairymen's Association

will be continued, and awards made at one of the sessions of the state meeting.

PRESIDENT AND DEAN VISIT THE NORTHWEST SCHOOL.

Through the daily press, our readers have read of the appointment of Prof. R. W. Thatcher as Dean of the Department of Agriculture to succeed Dean A. F. Woods. Dr. E. M. Freeman was appointed Dean of the College of Agriculture. Both of these men have won signal success in their work at University Farm, St. Paul, and enter their new duties with the support and backing of all of the agricultural interests of the state. Soon after his appointment Dean Thatcher announced that he and President Burton were planning to visit the Crookston institution, and plans were made for their reception here.

On Monday, September 24, the Northwest School and Station was honored by the presence of President M. L. Burton of the University of Minnesota, Regent M. M. Williams, and Dean R. W. Thatcher of the Department of Agriculture. These men spent the day in conference with Superintendent Selvig and members of the station and school staff. This was President Burton's first visit to the Crookston station and Dean Thatcher's second visit here. The forenoon was spent in going through the buildings and noting the layout of the grounds, the station buildings, and fields. In conference with the members of the station staff, experimental work carried on here was discussed. After luncheon at the superintendent's home, a conference was held at which questions of importance to the school and station were taken up.

In the afternoon, the president and dean enjoyed an auto ride in company with Crookston citizens. They were entertained at dinner at the Crookston Hotel, following which a public reception was held in the Armory. Previous to the reception, Dean Thatcher and President Burton delivered addresses which were very well received.

President Burton and Dean Thatcher came to Crookston from Grand Rapids, where they had visited the North Central Experiment Station the day before. Previous to that they had visited the Northeast Experiment Station at Duluth. Minnesota is unique in having its University cover the entire state through its central University and Agricultural College and its various branch schools and stations. It takes practically a week to make the trip to all of these places which gives some idea of the extent of territory included by them.

AGRICULTURE.

The courses in agriculture at Northwest School of Agriculture are intended to prepare young men either for the operation and supervision of farms, or for some line of work closely related to agriculture.

Farming itself demands scientific training more than ever, because the farmer of today faces many more difficulties and larger responsibilities than any preceding generation of farmers. He must work with land that is many times as valuable as the land his father occupied, while at the same time it has lost much of its original fertility. He must fight new and more destructive insect pests and plant and live stock diseases. He faces new problems in management and marketing. He must deal with wholly different social and economic conditions. He cannot continue to meet these things successfully except with scientific knowledge linked with practical experience.

A decision to enter school for training in agriculture may not always be reached now without difficulty, because of the feeling that a boy with interest in farming is needed in productive work on the farm. He is of value there, no doubt, but after all the question is one of relative values and usefulness. Is it more important that a particular boy of marked intelligence and ambition should continue at a hired man's work, or is it more important that he be trained to scientific agriculture and leadership so that he may in a few years be a farmer, a manager or a teacher, or investigator in agriculture? If he stays out of school, he will still be a useful man, but will he serve the nation as well as he might with a special education?

HOME ECONOMICS.

Education along such lines takes on especial value in these times of world upset. It will be of equal value in the years following the war when the world seeks to restore itself. "The woman who handles the food supply in the home is equal in importance to the man who handles the gun on the battlefield," writes J. Ogden Armour, food authority. Although women remain at home in time of national trouble like this, they and the homes they make constitute the real bulwark of national life. Following the war, the call upon women will be greater than ever for a homemaking that will give the nation men and women of strength, character, courage, ability and skill to restore and rebuild a world torn down.

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.

IMPORTANT NOTICE.

Our readers may have among their neighbors and friends certain persons who would like to receive the Northwest Monthly as it is issued. If you will send to the Northwest School of Agriculture the names of persons that you know would be glad to receive this publication, plans will be made to increase the circulation to meet this additional demand. The Northwest Monthly aims to serve as a means to promote agricultural conditions in northwestern Minnesota, and any suggestion that comes to the Northwest School of Agriculture regarding it or any phase of work that is related to this particular problem will be welcome. We are already engaged in a great enterprise in this section of the state, an enterprise which calls for the best service that there is in us. We want to make the Red River Valley a better place in which to live, and in which to prosper.

OUR BOYS TO THE COLORS.

Many of our boys, both graduates and undergraduates, have answered Uncle Sam's call, and are already in the federal army or ready to go at a moment's notice. Word comes from A. E. Enderson, former member of the faculty, that he is with the army, stationed at Fort Lewis, Tacoma, Washington. Willard Johnston, '15, was a member of the first Fort Snelling officers' training camp, and is now an officer in Camp Dodge, Des Moines. Martinus Stenseth, who was also in the officers' training camp, has joined the aviation corps, and is now up in the air "somewhere" near St. Louis. Herbert Anderson was last heard from "somewhere" on the Pacific coast where he is preparing to defend our rights on the seas. The following list includes names of others who are going soon, according to reports:

Conrad Clementson, '15; Raymond Anderson, '17; Clarence Lee, '18;

Lewis Fossbakken, '09, and Olaf Boness, '18.

We suggest that our boys in the army write to the Northwest Monthly as full reports of their experiences as the censor will pass. These will be published for the information of friends and schoolmates. We feel sure that the Northwest Monthly will have special value to the boys at the front, and these little personal notes will be very interesting to the "folks at home" also. Let us keep in touch with one another. Let us feel that we are pulling together for the cause of democracy with the same spirit that we used to pull for our Alma Mater. Reader at home, if you know of some fellow who has answered the call, drop us a line. Reader at the front, let us hear how you are getting along. We need your address in order to mail you a copy of each issue as it is published.

FARM CROPS SHOW.

The Seventh Annual Farm Crops Show and the Second Annual Live

Show meetings. It is planned to devote at least three days to live stock, including one day for dairying and dairy cattle, and two to horses, sheep and swine. The Northern Minnesota Poultry Association will doubtless hold its annual meeting and exhibition during the same week, and it is planned to make the Second Live Stock Exhibit far better than the very auspicious beginning which took place last year. C. H. Zealand, secretary of the Red River Valley Development Association, will continue in that capacity, assisted by Albert Cairns as assistant secretary. Mr. S. M. Sivertson, president of the Development Association, will take an active part in promoting this important event.

"AROUND THE CAMPUS."

This is the title of a new picture booklet about to be published by the school. It is gotten up partly on the plan of "School Life," the attractive little booklet which won so much favorable comment when published two years ago. The new booklet is to be the same size, two and a half inches by six inches, but will have forty-four pages, including covers. The cover-plate is an artistic design by A. M. Foker. Many of the pictures are new, from photographs by T. J. Horton, the St. Paul station photographer. A new feature is the department of useful information for ready reference. Farmers of the Red River Valley will be interested in the graphs showing the rainfall in the Red River Valley for the last twenty years, and its distribution by months on the average and for each year. There are also interesting and useful tables of figures on cement construction, capacity of silos, rates of

GREETINGS

TO THE CLASS OF 1917

NORTHWEST SCHOOL OF AGRICULTURE

A MAN HAS RECENTLY WRITTEN A BOOK WHICH HE HAS CALLED "THE CHALLENGE OF THE COUNTRY." THIS TITLE HAS THE RIGHT RING. YOUNG PEOPLE SEEK ADVENTURE. THEY WANT NO PRIM-ROSE PATH. THEY WELCOME OBSTACLES AND PROBLEMS AND DIFFICULTIES TO OVERCOME. IT IS THE VERY SPIRIT OF YOUTH TO ACCEPT THE CHALLENGE OF LIFE.

YOU HAVE BEEN PREPARING YOURSELVES FOR LIFE IN THE OPEN COUNTRY. ACCEPT MY CONGRATULATIONS UPON THE TASKS WHICH CONFRONT YOU. MAY YOU GO FORTH WITH HIGH HOPES, AND WITH COURAGE. ACCEPT THE CHALLENGE WHICH THE COUNTRY OFFERS YOU. RESOLVE TO FACE INTELLIGENTLY AND PLUCKILY THE PROBLEMS OF SCIENTIFIC FARMING; OF CO-OPERATIVE MARKETING; OF SCHOOL CONSOLIDATION AND COMMUNITY ORGANIZATION.

WITH BEST WISHES FOR VICTORY, I AM

SINCERELY YOURS,

GEORGE E. VINCENT.

Stock Exhibit will be held at Crookston, February 11, 12, 13, 14, and 15, 1918. This was decided at a meeting of the executive committee held a few days ago. Mr. Selvig will be chairman of the the affair as in the past, and every indication points to holding a bigger meeting than ever before. Premier T. C. Norris, of Manitoba, has consented to make an address the evening of February 13, President M. L. Burton of the University of Minnesota on the 14th, and on February 15, governors or ex-governors of three states are expected to attend. Ex-Governor Hoch, of Kansas, will be one of the three. Hon. S. B. Bedford, of the Provincial Department of Agriculture, Winnipeg, will spend one day at the meetings discussing the most pertinent farm management problem that exists in the valley, that of weed control. Prof. Wm. Dietrich, secretary of the Red River Valley Live Stock Breeders' Association, announces that the winter meeting of that association will be held during the week of the Farm Crops

seed to sow per acre, and other farm problems. Housewives will be interested in a list of conservation recipes by Miss Hazel Rockwood. Everyone will enjoy having this convenient copy of farm songs which includes the State Farmers' Clubs' song, several Farm Crop Show songs and the State Song.

THE NEW HOME ECONOMICS BUILDING.

Returning students will recognize the old Home Economics Building only from the outside. The interior has been entirely remodeled, and the first floor fitted up for the normal department. The hall on the first floor has been extended all the way through the building. The living apartments on the first floor have been opened up into a fine large class room for the teachers of the normal department. The old laundry is now a fine class room, and in place of the old drying room, there is now an office for the head of the normal department, and a school room for the demonstration school. The old

winding stairs against which one almost bumped one's head, have been straightened, running straight to the second floor in one flight. This gives a more inviting appearance to the entrance, and a better impression to visitors. The whole interior has been redecorated in a very pleasing color scheme.

THE VERDICT ON GOING TO SCHOOL.

There are many young men and women, parents and guardians who feel that somehow or other this abnormal time of war is a time to give up many normal ambitions and projects. For one thing, they are letting go of their plans for school training, with the thought that perhaps they can do more for themselves and their country by doing something else.

To those young men and women who are inclined to feel that way and who are not now being called into active military service, this may be said: It is the verdict of the nation's leaders that this is no time to let schools be emptied, or even to be run on anything less than full capacity. Instead, they point out that this is a time to make sure that the world gets more trained men and women than ever. This unanimous verdict is reflected in the opinions gathered in this issue.

THE WHITE HOUSE
Washington,
July 20, 1917.

Hon Franklin K. Lane,
Secretary of the Interior,

My Dear Mr. Secretary:
The question, which you have brought to my attention, is of the very greatest moment. It would, as you suggest, seriously impair American prospects of success

in this war if the supply of highly trained men were unnecessarily diminished. There will be need for a larger number of persons expert in the various fields of applied science than ever before. Such persons will be needed both during the war and after its close.

I have therefore no hesitation in urging colleges and technical schools to endeavor to maintain their courses as far as possible on the usual basis. There will be many young men from these institutions who will serve in the armed forces of the country. Those who fall below the age of selective conscription and who do not enlist may feel that by pursuing their courses with earnestness and diligence they are preparing themselves for valuable service to the nation.

I would particularly urge upon the young people who are leaving our high schools that as many of them as can do so avail themselves this year of the opportunities offered by the colleges and technical schools, to the end that the country may not lack an adequate supply of trained men and women.

Cordially and sincerely yours,

WOODROW WILSON.

"One point I firmly believe should be impressed as strongly as possible on the public mind: That is, no interference with the program of public education should be made except under conditions of most absolute and final necessity. Should we not bear in mind that the war itself is primarily a concern of this adult generation, and that the schools should be kept as free as possible from any unnecessary diversion from their fundamental task? Serious interruptions to that task cannot fail to burden unfairly the next generation."—Payson Smith, Commissioner of Education, Massachusetts.

"It should be remembered that the scientific knowledge and the supervising and directing skill of these men (those trained in agricultural colleges) and their ability to increase the productive capacity of thousands of men of less knowledge and skill are far more valuable than the work they can do as farm hands. The total number of all agricultural students in all colleges is only a fraction more than one-tenth of one per cent of the total num-

Aitkin counties, or some county east of these, and a third in southern half of state, \$6,000. The supervision of experiments on peat lands is to be under the direct charge of the experimental schools or stations of the Department of Agriculture of the University situated near the three tracts that are secured for this purpose."

After several days' journey over the land in eastern Marshall, Pennington, and western Beltrami counties, a suitable tract for immediate work was located on the farm of Mr. Rudolph Dahl at Golden Valley. Another suitable tract for later work was found near Goodridge.

As the law specifies, a sum of two thousand dollars is designated for the Northwest Peat Farm to be maintained directly under the supervision of the Northwest School of Agriculture and Experiment Station. Prof. F. L. Kennard of the farm crops department of the Northwest School, and Dr. F. J. Alway have prepared plans for the 1918 work, and this project will be included as a definite line of work for the Northwest Experiment Station. Supt. Selvig

is very much pleased with the prospect of securing definite data regarding the handling of peat soils. This is a problem that has come before the station experts a great many times in the past. It is hoped that through these three peat farms in three sections of Minnesota, definite answers can be given to the questions that come, resulting in great benefit to farmers who have larger or smaller areas of peat on their farms.

Mr. Rudolph Dahl, on whose farm the first work will begin in 1918, is very enthusiastic over burning off the peat. The proposed project includes cropping on burned off areas, and similar cropping on peat land with various other treatments, and as a check, similar crops on clay land located on the same farm.

This project marks an important development in extending the investigational work of the Northwest Experiment Station. It is hoped that provision may be made for leasing other tracts on soils in this section of the state that differ from the heavy black soil of the western portion of the Red River Valley. In that way, this school and station can serve more fully than ever before, the people who live in this section of the state.

SCHOLARSHIP AWARDS.

The Home Economics scholarships offered by Mr. W. T. Carlisle, of Crookston, to the students who were most diligent in their efforts, and who made the most progress in Domestic Art and Science courses during the school year 1916-17, were awarded to Miss Olga Tunheim (first), and Miss Leah Stewart (second). Upon entering school this fall, one-half the amount of each scholarship was paid them by Mr. Carlisle, the second half becoming due

TO THE CLASS OF 1917

NORTHWEST SCHOOL OF AGRICULTURE

FOR THE PAST SEVEN YEARS I HAVE WATCHED WITH PRIDE THE GROWING INTEREST IN YOUR SCHOOL ON THE PART OF STUDENTS AND FACULTY AND OF THE PEOPLE OF THE STATE. THE SUCCESS AND PROSPERITY OF THE SCHOOL DEPENDS MORE UPON THE GRADUATES THAN UPON THE FACULTY. WHAT YOU DO ON YOUR FARMS AND IN YOUR HOMES AND IN YOUR BUSINESS AND SOCIAL RELATIONS GENERALLY WILL REACT DIRECTLY UPON YOUR SCHOOL. MAY THE VOICE OF THE GREAT BODY OF GRADUATES, AS EXPRESSED IN SERVICE, CONTINUE WITHOUT CEASING TO UPHOLD THE BEST IDEALS OF AGRICULTURE AND CITIZENSHIP. KEEP CLOSE TO YOUR SCHOOL AND HELP TO MAKE IT OF THE GREATEST SERVICE TO YOUR COMMUNITY, THE STATE, AND THE NATION.

FAITHFULLY YOURS,

A. F. WOODS.

ber of persons engaged in agriculture, or about 13 in 10,000, not enough to affect materially the agricultural production of the country by their labor, but enough to affect it immensely by their directive power when their college courses have been finished."—P. P. Claxton.

NORTHWEST PEAT EXPERIMENT FARM ESTABLISHED.

On October 6 Superintendent C. G. Selvig and Prof. F. L. Kennard met with Dr. F. J. Alway of the Division of Soils of the Minnesota Experiment Station, St. Paul, at Thief River Falls, to begin a search for a suitable tract or tracts of land to be used for the Northwest Peat Experiment Station. The establishment of this peat experiment station is in compliance with Section 13, Chapter 440, 1917 Session Laws, which reads as follows: "For the leasing or otherwise securing for experimental purposes, three tracts of land for peat soil, the same to be not less than ten acres, nor more than forty acres, one in either Beltrami county or some county west of it, another in either Koochiching, Itasca, or

at the beginning of the second term.

At the opening of the winter term, the Ruettell scholarship in Public Speaking and Debating will be awarded to Walter Sheridan (first), and Henry Nobben (second). The Scandia American Bank scholarship for General Diligence and Progress will go to Newell Lee (first), and Emil Hallgren (second). The Farm Management scholarship, offered by Mr. S. A. Wallace of Crookston, will go to Alfred Wiger (first), and Arthur Skonvod (second). Clarence Lee, who was awarded second place last spring, will not return to school as he has joined the federal army. Under the terms of the scholarship, the second award will go to the person in third place. The Live Stock Scholarship awarded by a well-wisher of the school and students, will go to Martin Saugen (first), and Oscar Samuelson (second). In this scholarship, Peter Ness was awarded first place, but as he will not return to school, the first and second awards will go to Nos. 2 and 3 in the original list.

The Girls' Bread Making Contest scholarship offered by the Crookston Milling Company to the girls who receive the two first places in the 1917 Girls' Bread Making Contest will be awarded as soon as complete returns are in from the state leader of bread making contests, Mr. T. A. Erickson. It is hoped to announce these before the opening of the fall term, October 23.

The awards for the Boys' Growing Contest, Potato Growing Contest, and Pig Raising Contest, are not yet available. It is hoped to announce them in the November issue of the Northwest Monthly.

It is a matter of great pleasure to the school to announce that Mr. S. M. Sivertson of the Crookston Milling Company, Crookston, has offered \$125.00 for the Girls' Bread Making Contest scholarship for 1918. As soon as the awards for 1917 are made in the other scholarships, further plans regarding them will also be announced. For the school year 1917-18, there are seven scholarships offered for the greatest diligence and most progress in (1) Debate and Public Speaking; (2) Horticultural Courses; (3) Normal Training Courses; (4) General Diligence and Greatest Progress; (5) Investigating and Growing Hemp and Fiber Flax; (6) Home Economics Courses; and (7) Live Stock Courses.

MOVING PICTURE ENTERTAINMENT.

The first feature film, which will be exhibited in the auditorium of the Northwest School of Agriculture, will be given on Saturday evening, October 27, when "Alice in Wonderland" in six reels will be shown. The school has enjoyed high class educational and feature reels in the past, and it is the plan of the Entertainment and Social

Committee this year to surpass any previous record. There is a small admission charged sufficient to cover the expense of the films, but with the large number of students in attendance the fee is nominal, providing in that way excellent entertainment and highly instructive pictures at low cost. The feature films that have been shown at the Northwest School in the past include some of the most noted productions of film artists. There is a tendency on the part of certain film companies to cater to the need of educational institutions. It is with these firms that the school is in touch, and it is hoped that a fine assortment of pictures may be secured.

RIGGS RETURNS AS BAND LEADER

Bandmaster G. O. Riggs of the Crookston Juvenile Band has been engaged again to lead the Agricultural School band. He will begin work the date school opens, and expects to divide the boys who enroll for the band into two classes, beginners and former band members. Every opportunity

nah Gulseth, of Crookston, is married and lives in Minneapolis. Dame Rumor says that Josephine Torgerson, of Fosston, will teach a school of just one pupil after this fall.

Nora Enge, Elmore, is teaching in the consolidated school, Adams, Minnesota; Nels Engen, Warren, rural school in Marshall; Oscar Olson, Angus, rural school in Marshall; Jennie Nyen, Fosston, rural school in Polk; Esther Hanson, St. Hilaire, consolidated school at Trail; Amanda Gordon, Crookston, rural school, Polk county; Selma Nyquist, Fertile, consolidated school at Lockhart; Sophie Monson, Drayton, N. Dak., consolidated school at Lockhart; Amanda Hanson, Lida, rural school at Alida, Minnesota; Ellen Bloomquist, Middle River, rural school in Marshall county; Dorothy Ferris, attending University at Lincoln, Nebraska; Almira Torgerson, Fosston, rural school in Polk county; Helen Huot, Wylie, rural school Red Lake county; Hannah Imsdahl, Oslo, rural school in Marshall county; Esther Pearson, Argyle, rural school in Marshall county; and Gertrude Bagass of Stephen, a rural school in Marshall county.

GREETINGS TO THE CLASS OF 1917

NORTHWEST SCHOOL OF AGRICULTURE

EVENTS OF GREAT PORTENT IN WORLD AFFAIRS OCCUPY OUR ATTENTION IN A DEGREE NOT EQUALLED SINCE THE CIVIL WAR. IN THIS CRISIS CHARACTER IS MADE. IN THIS CRISIS WE MUST EXAMINE OURSELVES TO SEE IF WE ARE FIT TO MEET NEW DUTIES AND RESPONSIBILITIES WHICH WILL BE OURS. IT IS TRUE WE LIVE IN A FAR OFF CORNER OF A MIDDLE WEST STATE. OUR TASKS ARE NONE THE LESS VITAL, OUR ASPIRATIONS MUST BE NONE THE LESS LOFTY. TO LOVE BEAUTY, AND HATE UGLINESS IN ALL ITS FORMS; TO EXALT STRENGTH, AND TO DESPISE WEAKNESS; TO CULTIVATE BREADTH, AND FIGHT AGAINST INTOLERANCE; TO SEARCH FOR TRUTH, AND AVOID PREJUDICE—THESE BE OUR TASKS. MAY WE APPROACH THEM ALL WITH MANLINESS AND WOMANLINESS, WITH CLEAN THOUGHTS, AND FIRM DEVOTION TO HIM WHO RULES WISELY IN HIS MYSTERIOUS WAYS.

C. G. SELVIG.

will be given beginners to perfect themselves in the use of the instruments selected, sufficiently, so that they can join the other class shortly before Christmas. This will give opportunity to develop the band as a whole after the holidays. It is expected that a large band will be organized, and that this organization will take a prominent place in the musical activities of the school.

GRADUATES ARE TEACHING.

The graduates of the Normal Training Department of the Northwest School of Agriculture are scattered all over Minnesota, but most of them are still loyal to the Red River Valley.

A few have given up class room teaching, but all are carrying on some line of work for which they received training here.

Mollie Fosbakken, Fosston, is a nurse at Asbury Hospital, Minneapolis. Mary James, Eyota, is doing dietician work at the Rochester Hospital. Lenora Garceau, of Red Lake Falls, is married and lives in Kennedy. Han-

Dorothy DeKol, a pure bred Holstein calf, three months old, has made an average daily gain of 2.20 pounds from birth to the present date. Duke, a grade Holstein calf, has made a daily gain of 2.45 pounds for the last six months. Cherry, a grade Holstein calf, made a daily gain of 2.16 pounds, and Frances, a grade Guernsey calf, made a daily gain of 1.53 pounds.

These gains were all made under average farm conditions.

TO THE READERS.

When you have completed reading this issue of the Northwest Monthly, remember your duty to your country requires you to buy at least one Liberty Bond, and more if possible. The Red Cross work deserves your labor and support. Join the Food Conservation Army of which A. D. Wilson is in charge for Minnesota. Do these for America!

CALF FEEDING AT THE NORTHWEST EXPERIMENT STATION.

Thomas Abbott, '18, employed as herdsman at the Northwest Experiment Station at the present time, is proving himself to be an expert calf feeder as the following statement of individual gains made would indicate. During the last six months the calves here at the station made the following gains: Backbird's Diamond, a Hereford Angus cross, made an average daily gain of 2.25 pounds per day; Village Rose, Shorthorn, gained 2.5 pounds per day. Lady