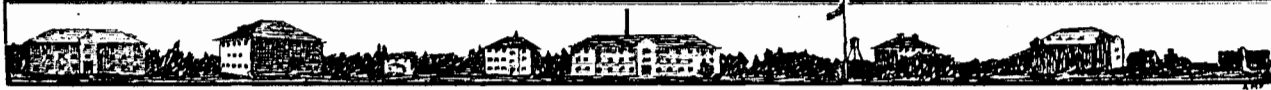


THE NORTHWEST MONTHLY



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CROOKSTON, MINNESOTA, NOVEMBER, 1922.

NUMBER 12.

Home Coming Day Plans

November 11th, is the Day

HOME COMING DAY PLANS

November 11 is Home Coming Day. Mark it with red on the calendar, tie strings around your finger, do anything to keep it constantly in mind, and then be at the school for the entire day. Roads are generally good at that time and many can make the trip by auto. Every alumnus and former student should visit the school at least once a year. Make Armistice Day your visiting day. There will be other members of your class back. The day will be a busy one, but some time will be set aside for classes to hold reunions and the alumni to hold their meetings.

The program cannot be given in detail for lack of space, but this, briefly, is the outline. At 10:30 will be held the Armistice Day program, with Mr. T. M. McCall giving the "Students' Eulogy," and Dr. Halsey Ambrose, of Grand Forks, the memorial address. The American Legion and the citizens of Crookston will join in the exercises. The march to the memorial will follow the program in the auditorium. The afternoon and evening will be given over to celebration and recreation, including a soccer game between girls teams, a football game, and stunts between halves. The "stubble-jumpers" are holding secret sessions to be able to defeat the "spud-diggers."

The evening program will take place in Kiehle building. All will attend the stunt program in the Auditorium at 7:30. Those who saw the stunts last year will hardly be able to believe that anything can beat the stunts given then. Just watch the new ones and you will carry away 12 months' worth of laughs and chuckles.

After the program in the Auditorium the groups will be divided into two parties so there will be something doing for everyone. Sounds good, doesn't it—soccer, football, stunts, reunions, parties, movies and music. It's your day, come and enjoy it. In order that we can be sure to care for everybody, send a note to the school that you are coming. Then come by train, walk, or load up the car with as many folks as it will hold. Old Man Gloom was burn-

ed at the Outdoor Festival, and even if he hadn't been there would be no room for him on Armistice Day.

UNIQUE BAZAAR AT THE N. W. S. A.

Bazaar! Bazaar, did you say? Well, yes, I did and that is what the girls at the Northwest School are planning on having December 4. This bazaar will be held in the school gymnasium during the late afternoon and evening. Its purpose is to let the public see what kind of work our girls can do and also to raise some money to buy some needed articles of furnishings for the girls' dormitory, the home economics department, and other places.

The publicity, the entertainment, and the booth committees are all busy making plans for this big gala day. It is hoped that the alumni, the parents, business people, and friends from the surrounding community will find time to visit the bazaar and campus, during this time.

Refreshments such as coffee, sandwiches, candy, stuffed dates, and popcorn balls will be found in the various booths. Aside from these articles visitors and guests will be able to find a great many inexpensive Christmas gifts at the art booth. A large fishing pond is being planned, and everyone who tries his hand at fishing will get a prize fish.

The entertainment committee say they have several interesting stunts planned for the occasion, including various contests and prize winning affairs.

Come and bring your friends and enjoy the day with them. It's Monday, December the 4.

MANY INTERESTING EVENTS HELD

Several interesting events have been staged during the first weeks of school. The boys' Pow-wow, October 11, in Senior Hall, was unusually good. New students were made familiar with school customs and opportunities. Everybody sang, played and enjoyed themselves. Kenneth Monson proved to be an exceptionally strong

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FEEDING FOR WINTER EGGS

A. M. Pilkey

N. W. Station Poultry Specialist.

What to feed and how to feed it so as to produce winter eggs, is one of the big questions that confronts the poultry raiser at this time. The greatest difficulty in handling most flocks is to obtain eggs in winter.

This is not as difficult to accomplish as many poultry raisers imagine. Even though weather conditions may be severe and unfavorable, with proper feed and the right way of feeding it, a reasonable number of eggs may be secured, even in winter. Feeds and feeding, however, are not the only things that influence egg production. The age of the birds, the system of housing and the general care of the flock all play a part. In this article we shall confine our attention very largely to feeds and the feeding, except to state a few other factors which influence egg production to a greater or lesser extent.

The Kind of Hens for Winter Laying

Pullets are better layers, as a rule, than hens, and year-olds are again better than two-year-olds. When a hen reaches two years of age she is usually not paying for her keep.

Then again, some breeds are better adapted for laying than others, the two extremes of which we see when comparing the egg breeds with the meat breeds. There are also different strains within a breed which present a difference in laying ability. High egg production in these cases may be due to special selection and breeding for heavy laying. The question of breeding and selection is a big subject in itself and if discussed at all would have to be handled as a subject in itself.

Heavy laying strains will naturally lay more eggs if well fed and cared for than poor laying strains. Nevertheless, a great deal can be done in improving what might be called poor laying strains, by proper care and feed.

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N. W. S. A. ALUMNI MEETING

On Home Coming Day the annual meeting of the Northwest School Alumni Association will be held in the Kiehle Building on November 11, 1922, at 4:30 P. M. All alumni are requested to be present.

NEW STUDENTS MAY ENTER NOV. 13.



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NORTHWEST SCHOOL OF
AGRICULTURE
 C. G. SELVIG, Superintendent

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 Northwest Experiment Station,
 Crookston, Minnesota

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

SERVICES RENDERED
BY THE NORTHWEST
SCHOOL AND STATION
 By H. N. OWEN

Editor, Farm, Stock and Home

It has been somewhat over 25 years since the Northwest Experiment Station was established. At that time the Red River Valley was almost exclusively a one-crop district. Of course there had been a great deal of agitation for diversified farming prior to that date, but it was up hill work to get the farmers, prior to 1896, to see that their salvation depended on real farming, rather than soil robbing. Getting the Red River Valley to see this necessity, was back of the idea of establishing the Northwest Experiment Station. Merely telling the farmers to diversify was not accomplishing any results. The problem was to get out and show them how to do it. I can remember when the idea of growing corn in the Valley was received with about the same amount of attention and belief that the possibilities of communication with Mars is now received by most of us. Everyone was sure that clover could not grow, therefore there was no use talking about ever getting anywhere with livestock in the Valley.

The work of the Northwest Experiment Station since 1896 has revolutionized Agriculture in the Red River Valley. Ten years after the establishment of the Experiment Station, the Northwest School of Agriculture was founded. This was a natural outgrowth of the Experiment Station and the over-crowding of the original school at St. Anthony Park. Furthermore, the agricultural conditions in the Valley are different than they are further south, therefore agricultural education under Valley conditions fitted the boys and girls to be Red River Valley farmers.

I do not think it is too much to say that the present prosperity of the Valley and the high type of agriculture that is now being followed is due directly to the work of the Northwest School of Agriculture. This school, not only in the person of its graduates, but in its extension activities, reaches

practically every farmer in the Red River Valley.

It is difficult, of course, to express in dollars and cents the real value that this Northwest Experiment Station and School has been to this section of the state, but I believe it has returned dollars for every cent that has been spent on it since its establishment, and it is doing better work today in advancing improved agriculture in the Valley than it ever did in the past.

(Continued from Page 1)

man and successfully lifted the heaviest men in school. The girls had their annual frolic the same evening, and although only a few of their events are known to the public, it could easily be seen that everyone must have enjoyed themselves. The reception October 14 by the Y. M. and Y. W. C. A. was an ideal mixer and enabled everyone to become acquainted. The Outdoor Festival October 21 was a very interesting and enjoyable event. Then will come Armistice Day and Thanksgiving Day, besides other events that make school worth while. The new attachment for the moving picture machine is giving entire satisfaction. Pathe News and Weekly are shown each week and several excellent films will be exhibited during the fall term. One other lecture course number is scheduled for this term and consists of the Bidwell-Rice Concert Trio. The numbers on the course come highly recommended and will be enjoyed by everyone. The Crookston Lecture Course is also scheduled at times when students can attend, and will consist of some of the best musicians in America.

NEW INSTRUCTORS

AT N. W. SCHOOL

Three new instructors and a new school nurse greeted students at the Northwest School this fall. Mr. J. L. Hartney succeeded Mr. H. S. Hinrichs, who accepted a position in Peoria, Illinois, with a tractor firm. Mr. Hartney is a graduate of the University of Minnesota. He made an enviable record over-seas, receiving the "croix-de-guerre" decoration for distinguished services and exceptional bravery. He is highly trained and experienced in his line of work. His position is instructor in farm motors.

Miss Anne Simley

Miss Anne Simley is the new head of the English department. She is a graduate of University of Wisconsin and has a very successful record as English teacher to her credit. She enters upon her work at Crookston eminently well fitted for all the phases of work called for in this position. Her dialect readings have already won for her much popularity. She will coach several school plays during the school year in connection with the public speaking work carried on at the school.

Mr. A. M. Pilkey

Mr. Pilkey is the new poultry spec-

ialist. He is a graduate of Manitoba Agricultural College and has had extensive experience in poultry work at several Canadian experimental farms. He is entering upon his work with enthusiasm and energy and has already accomplished much. His services are in demand at poultry shows and meetings.

Miss Alma Johnson

Miss Johnson is school nurse, succeeding Miss Bernice Heilig, who is now Mrs. H. P. Constans. Miss Johnson is a graduate of the University of Minnesota School for Nurses. She will have general charge of student health service in cooperation with the University of Minnesota Health Service under Dr. H. S. Diehl.

Olga Lovaas, '20, writes that she was married July 1 to Sigward Grothe. They are living on a farm near Rhoda. She states that she enjoys the Northwest Monthly.

Milton Warner, '20, is enrolled in the College of Agriculture. His address is 1419 University Avenue S. E.

AGGIE SCHOOL

CLASSES ORGANIZE

All classes have completed their organizations and are already well under way planning the work for the coming year. The Freshmen have chosen Mr. and Mrs. O. M. Kiser as their class advisors. Mr. Constans and Miss Kneeshaw are Senior advisors, while Miss Pederson and Mr. Pierce are Junior advisors. The class officers are as follows:

Advanced

John Gronner, Underwood, President
 William Johnson, Duluth, Vice-President

Milo Wold, Beltrami, Sergeant-at-Arms
 Roger Briden, Crookston, Treasurer.
 LaVern Peterson, Brooks, Secretary.

Senior

Iver Johnson, Crookston, President.
 Della Nyberg, Fosston, Vice-President.
 Julian Halvorson, Fergus Falls, Secretary.

Archie Lee, Pencer, Treasurer.
 Earl Anderson, Crookston, Sergeant-at-Arms.

Junior

Arnie Solem, Thief River Falls, President.

Harry Henderson, Halstad, Vice-President.

Walter Turgeon, Brooks, Sergeant-at-Arms.

Frances Lindahl, Hallock, Secretary.
 Helen Gibbons, Crookston, Treasurer.

Freshmen

Joseph Degagne, East Grand Forks, President.

Anna Nornes, Winger, Vice-President.
 Stella Carlson, Hallock, Secretary-Treasurer.

William Powers, East Grand Forks, Sergeant-at-Arms.

NEW CLASSES WILL BE ORGANIZED NOV. 13.

FOOTBALL NOTES

A larger number of students have been out for football than any previous year. Almost three teams have been practicing every night. Although the season is short, it gives the students an opportunity to learn the game and play inter-school games. Mr. Foker and Mr. Constans have been coaching the boys and some excellent material is being developed. The first game was played with Warren October 21, and was lost by a score of 42 to 6. This score was due to inexperience, and does not show the full possibilities in the team. The line-up in the first game was, Peterson, left end; Gronner, left tackle; Turgeon, left guard; Halvorsen, center; Briden, right guard; J. Hanson, right tackle; Brustad, right end; Courtney, right half; Burke, left half; I. Johnson, full-back, and Miller, quarter back. Miller, Johnson and Hanson showed up to the best advantage. Synnes and N. Nelson are two other players that will no doubt be in the game later on. The other games scheduled are with Crookston and Ada high schools.

**A. C. STUDENTS BURN
"OLD MAN GLOOM" IN
ANNUAL PEP FESTIVAL**

Old Man Gloom will never again intrude at the Northwest School. He was burned in effigy Saturday evening as a warning should he ever make any attempt. This was the climax of the annual outdoor festival, which began at 5:30. Supper was served outdoors. Many small fires were surrounded by students and faculty, roasting wieners and preparing the meal. After the marshmallows were "done" every one assembled on the campus for the contests and stunts between classes. The seniors were victorious in most of the events, and the juniors were close seconds. The obstacle, the horse-back and the snake races proved most amusing. The contestants in the knights' combat would have been worthy opponents to the knights of old. The tug-of-war between the Senior and Stephens Halls proved to be another classic, as it took almost the time limit before the seniors could bring the others across the line.

Then followed a walk through the dark woods to the large bonfire which had been assembled by the freshmen. Johanna Nabben, of Thief River Falls, having been elected by student vote, was given the honor of lighting the fire which should prove the finish of Old Man Gloom. After singing all the songs that could be suggested and giving school yells, "Good Night, Ladies" closed one of the best festivals ever held at the school.

WEDDING BELLS RING.

Two weddings of unusual interest to the former and present students of the Northwest School of Agriculture have taken place recently. Mr. H. Philip Constans and Miss Bernice F. Heilig were married in September. Both of these young people came to the Northwest School a year ago. Mr.

Constans is preceptor of Senior Hall, physical director, and instructor in public speaking and debating, and Miss Heilig was school nurse last year.

The other event was the marriage of Miss Cora Paulsberg and Mr. Carl A. Berg, '12. Miss Paulsberg has been accountant and school accompanist at the Northwest School for a number of years. Mr. Berg is president of the alumni association. He is a graduate of the class of 1912.

On Tuesday evening, October 17, these two young couples were entertained by the faculty at the home of Superintendent and Mrs. C. G. Selvig. The guests of honor were led into the library, where their memories were refreshed by a familiar sight, a "play" wedding in which prominent faculty members took conspicuous parts. All were gowned in the latest style, this being especially in evidence when the bride, Miss O. M. Kiser, appeared, followed by a demure little trainbearer, Miss A. J. Kttelson. Miss T. M. McCall was a beautiful flower girl. Mr. A. M. Foker read an original treatise to the bride and groom, which so dumfounded them that serious interruptions occurred. Miss E. R. Clark sang "Oh, Promise Me," in the exact tones of a prima-donna.

Following an interesting hour spent in social games, the members present joined in presenting Mr. and Mrs. Constans with a beautiful parlor table lamp, and Mr. and Mrs. Berg with a substantial gift in gold. Mr. Selvig recounted the splendid services rendered by the principals, in presenting the gifts. Mr. and Mrs. Constans are living at the school, where he is a popular member of the faculty. Mr. and Mrs. C. A. Berg will reside in Warroad.

THE LIVE STOCK DRIVE.

The city of Crookston, Clay county and Pennington county have completed their quotas in the livestock drive to raise \$25,000 to pay off the indebtedness on the buildings owned by 2,000 members of the Red River Valley Live Stock association. All the other counties have raised parts of their quotas. Every indication points to the successful completion of the drive by not later than November 15. Much credit is due the members of the Red River Valley Live Stock association and especially to the committees who are working in behalf of the Red River Valley Winter Shows. They include farmers and business men, livestock breeders, bankers and others who realize that the Red River Valley Live-stock association is an important factor in promoting diversified farming and in increasing the prosperity of this section of the state.

**STADIUM-NORTHROP
MEMORIAL CAMPAIGN**

The students, faculty members and employees of the University of Minnesota are busily engaged in raising \$650,000.00 for the proposed University stadium to be built in honor of the University men who gave their lives

in the war, and an auditorium to be built at the University in honor of Cyrus Northrup, first president of the University. Dean E. M. Freeman of the Minnesota Agricultural College, is in charge of the drive for the department of agriculture. He has placed the matter before the students and faculty members of the Northwest School and Station, all of whom are earnestly requested to assist in this movement. Following the campaign among students and faculty members, the drive will be taken up with the alumni of the University and business men throughout the entire state. Two million dollars is the objective sought. It is expected that all will rally to the support of the University in this worthy movement.

**WINTER SHOWS BOARD
OF MANAGERS TO MEET**

The board of managers of the Red River Valley Winter shows will hold a meeting early in November to begin the work of making the 1923 event the greatest and best ever held in Northwestern Minnesota. Indications point to a very successful week. The Red River Valley Classic, as it is commonly called, has grown in importance and also in the affections of the people in both towns and cities of this section of the state. It is the Red River Valley premier event, in which all are interested, whether farmers or townspeople.

Prominent speakers are being secured on all subjects of importance. Farm marketing and agricultural credit will be particularly stressed at the 1923 meetings, as they are of paramount importance to agricultural communities at the present time.

**AGGIE STUDENT WINS
STATE WHEAT CONTEST**

Wallace Miller, Roseau, a junior at the Northwest School of Agriculture, has been awarded first prize of \$50.00, offered by the Spring Wheat Improvement association of Minneapolis, for the best acre of marquis wheat grown in Minnesota in 1922. Mr. Miller's official yield was 53 bushels and 38 lbs. of marquis wheat from one acre. Andrew Wardeberg, McIntosh, another Northwest School student, won fourth place with an official yield of 41 bushels and 21 pounds. These students carried on summer project work on their home farms under the direction of the agricultural school faculty, and will exhibit samples of their wheat at the annual home project day show at the school on November 7.

Second place in the Marquis acre contest was won by Alfred Carlson, and third by P. M. Cameron, both of Hallock. About thirty growers in various sections of the state entered the contest, and ten prizes were given. Yields were taken by removing 12 square yards from as many places distributed uniformly throughout the acre. These were harvested by representatives of the Minnesota Crop Improvement association, who conducted the contest. The two highest yielding

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N. W. SCHOOL OFFERS BEGINNING CLASSES NOV. 13.

Crookston Aggies Home Coming Day, November 11.

There'll be many of your classmates here. We need you at home coming. We hope you are planning to attend, and to make it an all day affair.

We'll be looking for you.

N. W. SCHOOL FACULTY AND STUDENTS.

P. S. Remember the Alumni Meeting to be held on November 11.

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Requirements of Winter Feeding

The class of food fed and the way of feeding it must be changed to meet the season's demand. Hens pick up many insects as well as other animal food during the summer months which they cannot get during the winter. Likewise, hens pick up considerable green feed in the summer, which they are without in the winter. It is the poultry feeder's business to see that his hens are supplied these needs.

We will discuss laying feeds under four headings:

1. The grain
2. Green food
3. Animal food
4. Mineral food

Grain Feeds

The grains used by the average poultryman will depend largely on the grain available and also upon their price. The ordinary farm grains can be fed in such a way as to make almost an ideal ration, in so far as the cereal portion of the ration is concerned.

WHEAT is one of our best grains for laying hens, either as a single grain food or in a mixture of grains, and now that wheat is down in price as compared to war prices, it makes a very profitable grain to feed.

OATS are an excellent feed for poultry but give best results if rolled or crushed so that the kernels are broken open and the white portion exposed. This makes an attractive feed, and should be fed as a mash food in feed hoppers. Whole oats, if well filled, make an excellent grain in a mixed scratch feed.

BARLEY can also be fed to good advantage as a scratch feed. Boiling will improve it considerably.

CORN is one of our best winter grains and where feed has to be bought it is well to use this and feed it with other grains as a mixed scratch. Cracking the corn will make it more attractive and nearer the size of the other grains used.

The mixture we will be using at the Northwest School this winter will be equal parts of corn (cracked), small wheat and oats. The corn might be

replaced by barley if this grain can more easily be obtained.

All grains should be fed in a deep litter on the floor to force the hens to work for it, thus giving the hens exercise and keeping them in a healthy condition. No hard and fast rule can be laid down as to the amount of feed, but in a general way, about one handful to two hens twice a day, with dry mash before them at all times, should be about right. Always see that the hens are ready for their feed and after feeding that no grain is left in the litter. The heavy breeds are more likely to become over fat than the lighter breeds, and more care must be exercised in their feeding.

Green Food

Cabbage makes one of the best and cheapest green foods we have. Mangels, turnips, carrots, or beets can also be used. Sprouted oats make an ideal green feed, but they are rather expensive to produce. Alfalfa hay or clover leaves may partly take the place of green foods, but they are not as succulent as the green foods.

Animal Food

Buttermilk or skim milk is the cheapest form in which animal food can be supplied to the laying hen. Where neither of these can be had, some meat food should be fed. In winter cut green bone can be fed, but it is usually rather expensive. Jack rabbits or other meats may be used to advantage. Care must be exercised in the feeding of meat foods, as their excessive use will lead to liver trouble.

Mineral Foods.

The laying hen requires a great deal more lime than is supplied by any of the food she gets. The most convenient way to supply this food is by having oyster shell before the birds at all times. Some grit or coarse sand should be before the birds also. Oyster shell cannot take the place of grit nor can grit take the place of oyster shell. Both should be fed.

A Few Hints in Conclusion

It is a good practice to give the flock a dose of epsom salts from time to time as a tonic. Use it at the rate of one pound per hundred hens. Dissolve in hot water and add to their

drinking water or in a wet mash.

Charcoal is very good as an absorber of gases in the digestive tract and in this way it acts as a tonic.

It is the little things that count in feeding poultry. A good poultryman is one who can feed so that the flock is neither overfed nor underfed. The successful feeding for winter eggs is an art which can be learned only by experience.

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entries ranged from thirty to fifty-three bushels to the acre. Nine of these were entered by Red River Valley growers, thus again proving that marquis wheat can still be grown with excellent results in this section of the state, especially in seasons comparatively free from rust epidemic.

James H. Felber, '20, writes that he expects to continue his work at the University beginning the fall quarter.

Thos. E. Abbott, '18, shook hands with friends at the school on October 18. He was enroute to Dassel after visiting his parents near Mentor.

Newton O. Jones, '15, writes from 1321 S. E. Franklin Avenue, Minneapolis, that he has been employed as electrician by the Washburn-Crosby Company for the past three years.

Raymond Rutherford, '19, is a student at the University of North Dakota.

Bena Flikke, '21, is teaching near Gary.

Amy Malakowski, '18, writes that she is teaching the primary department at Shelly, and that her sister, Esther, is teaching the second grade at Warroad this year. They both like their work very much.

FOR SALE

One, only, Shropshire yearling ram, registered, is left. The two grade Holstein cows have been sold. Two grade Guernsey cows are for sale. They have very high records.

HOLSTEIN BULL

One, only, Holstein bull, born September 12, 1921, is for sale. He is a fine individual out of an A. R. O. dam.

SHORTHORN COWS AND HEIFERS

The Northwest Station will have to dispose of some of its choice Shorthorn females on account of lack of barn room. Write for full information regarding them. Just the opportunity for someone to secure fine quality registered Shorthorns at very reasonable prices. Address N. W. Exp. Station, Crookston, Minnesota.

WRITE THE N. W. SCHOOL ABOUT ITS LOAN FUND.