

THE NORTHWEST MONTHLY



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MINNESOTA SCHOOLS OF AGRICULTURE

A. J. MCGUIRE TELLS OF THEIR WORK

Article in "The Farmer" is a Message of Value

At this time of year I always remember the School of Agriculture and want to advise farm boys to go there. It was in stacking time thirty-two years ago that an old uncle came along for a visit and told me about the School of Agriculture, and ever since then I have called him blessed.

In the years that have passed, I have known hundreds of boys and girls who have been to the School of Agriculture at St. Paul or Crookston or Morris, and I have never known a single one who was not better and happier for having taken the course. I have even known boys who had been at the School but for a single month, and yet they recalled the experience with happiness and that certain dignity that a true educational institution always gives.

A school of agriculture teaches but a very small part of what there is to know about agriculture and farming. It may be said that it only gives a boy or a girl a start on the road to knowledge, but how much value then is in a start—in fact it is everything in comparison with those who never have an opportunity to know the world of knowledge there is in farming, but which is so often hidden from those who see only toil and an unprofitable occupation.

The experimental farm at Grand Rapids is opening an agricultural school this fall, and we especially recommend that school to the boys of the timbered section of the state. The Red River Valley section is a better farming section today because of the School of Agriculture at Crookston, and the West Central part of Minnesota is being greatly influenced through the splendid school at Morris.

Write to any of these institutions for information concerning the course. We should never be satisfied that we are doing our best for agriculture until the rank and file of boys and girls who will make farming their calling have had education in agriculture.—A. J. McGuire.

Register Early

In order that students may save time on registration day, Monday, October 4, they may register early. Those who wish may select their studies from the catalog and mail the list to the Registrar. The schedule of classes will then be ready when school begins. This plan makes it easier to arrange sufficient divisions of classes as well as relieving much of the congestion on the first day.

New Baby Arrives

Bottle feeding supplemented with carrots, green corn and a wisp of alfalfa hay is the balanced ration being given the new baby at the Northwest School. The baby is a little fawn which has recently been secured to replace the losses of the past year in the school park. The little deer is more than an orphan in that it still has no name. It is planned that this will be supplied by competition among the Northwest School students who will suggest appropriate names when school begins.

School Opens Oct. 4

October 4 will be registration day at the Northwest School and all students are expected to be present at that time. Registration will be completed so that all classes will begin Tuesday morning October 5.

Students should not reach the school until Monday, October 4. The first meal in the dining hall will be served at noon on Monday. The dormitories will not be open until Monday morning.

Students may register for classes at any time on Monday. The registrar's office in the Kiehle Building will be open until late in the evening.

In order to save time and relieve congestion as much as possible students may mail in their list of subjects. The schedules will then be ready on Monday.

Students coming by train will be met at the stations and the baggage will be delivered the same day.

All students must provide themselves with bedding.

There will be room for all students who come for the first term but it is suggested that those who have not already done so should reserve rooms as soon as possible.

Scholarships for Club Work

In the June issue of the Northwest Monthly mention was made of the six scholarships offered thru the Northwest School to boys and girls of the six counties who make the best record in club work. These scholarships are for \$75 each.

Recently the Fergus Falls Commercial Club has announced a scholarship of \$139 to the boy or girl who raises the best baby beef in Ottertail county this year. The scholarship is to be used at the Northwest School.

The Royal Baking Powder company will award a \$100 scholarship to the Minnesota 4-H baking club member who has the best record of the year in making quick breads or cake.

In addition there are other scholarships and loan funds available so that the boy or girl who is really serious about trying to attend school may do so. The scholarships offered are worth while in many ways in that they not only give the proper incentive to excel in club work but also make it possible for boys and girls to continue in school.

THE NORTHWEST MONTHLY

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THE UNIVERSITY OF MINNESOTA
SOUTHWEST SCHOOL OF
AGRICULTURE
C. G. SELVIG, Superintendent

OFFICE
Northwest Experiment Station,
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A monthly publication in the interest of agricultural education and home training for Northwestern Minnesota.

Visitations Arranged for 1927

The McCrea Farm Bureau unit is the first community to arrange its date for a visit to the Northwest School during the summer of 1927. The date selected is July 15. Every organization present during the past summer was unanimous on the plan of returning next summer. Many of the clubs have been present every summer since the plan of community visitations was proposed.

The statistics for the 1926 visitations show that a total of 3,529 were present from 35 organizations. These came on 33 different days. Two communities were prevented from coming because of rain but ideal weather conditions favored the others.

Two programs were used. One was followed for the groups who had not visited before and the other was given for those who have been coming several times. For the latter group there were a number of demonstrations included. Some of these were on such matters as dairy records, pure seed work, poultry culling, capronizing, stock judging and soils. Demonstrations for the ladies were given in June by Miss Fanny Lippett and during July by Miss Retta Bede.

The campus was more beautiful this year than ever before. The visitors came abundantly supplied with chicken, salads, ice-cream, cakes, pie and other supplies. Occasionally there was time for a little recreation. Some interesting movies concluded the program. A friendly community spirit was in evidence. All this together with the opportunity to visit and observe the work of the Northwest School and Station and talk over problems with the instructors in charge made the day worthwhile in every way. A summary may be given by quoting from the Gary Graphic in which Mr. Garden, president of the Gary Community club said concerning the trip: "It sure was a day well spent and we hope we will all live to make another trip next year."

Boars and Ewes for Sale

For Sale—Duroc Boars from a March 18 litter. Price \$40 and \$50 Northwest Station, Crookston.

Football Schedule Arranged

A heavy football schedule is being arranged and four games are already scheduled. The first game will be at the Northwest School on October 9 with the Red Lake Falls high school. On October 16 the team makes the trip to play the Mayville Normal team at Mayville, North Dakota. The Morris Aggies will play at the Northwest School on October 23. This will also be Homecoming day. The other game arranged is with the Thief River Falls high school on November 6. Two other games will be arranged.

The team will again be coached by D. H. LaVoi. The assistant coaches will be D. A. Milligan and A. M. Foker. New equipment and supplies are on hand for the opening of the season.

Memorials Installed

"My face marks the sunny hours what can you say of yours" will be the greeting the new sun dial will give visitors to the Northwest School flower garden. The sun dial is the

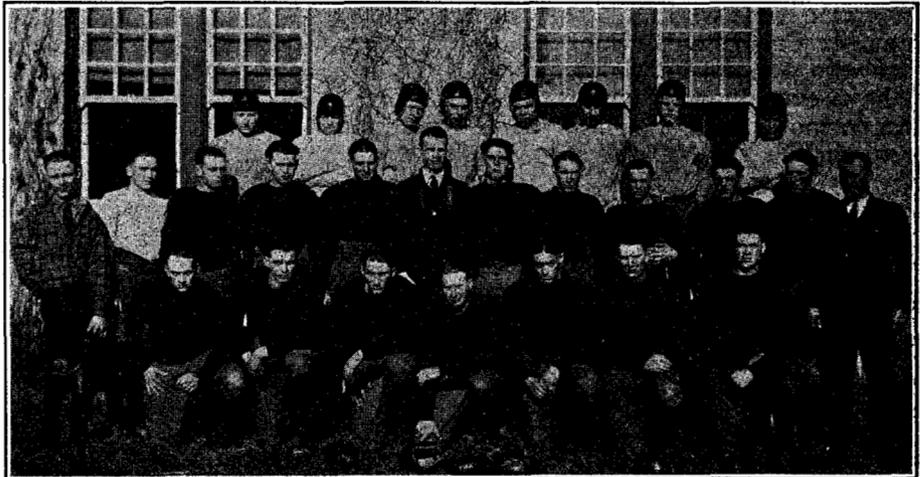
evening the reception to new students will be held. The results of these social meetings will be to make everyone acquainted and at the same time furnish a pleasant time to all students.

The Northwest School plans to arrange a number of "good times" during the year. These are generally planned for Saturday evenings. One of the traditional events is the Out Door Festival which is scheduled for October 16. October 23 is Home Coming day.

There are three excellent movies for the first term together with two lecture course entertainments. The other Saturday nights will include two all-school parties in addition to "stunt night" in November.

Home-Coming October 23

The annual homecoming day for graduates and former students of the Northwest School will be on October 23. The event of the day will be the football game with the Morris Aggies. This will be the third annual game between the two schools. Each school has won a game, the



Football Season at Northwest School

gift of the Class of 1919 and is located south of senior hall. The Class of 1919 also presented the case in which is placed the service flag.

The Class of 1920 has purchased a bird fountain which also is in the flower garden. The fountain has a beautiful glass ball in the center which makes the fountain a distinctive part of the garden. Both of these memorials are very suitable gifts from the two classes and will cause many favorable comments on the thoughtfulness of the members in providing the funds for their purchase.

School Life Will be Pleasant

Receptions will be in order during the first week of school which begins October 4, at the Northwest School. On Wednesday evening October 6 the boys will meet for their annual "Pow Wow" and the girls for the "Frollic". On Saturday

Crookston Aggies being defeated at Morris last fall by a score of 3-0.

In addition to the football game there will be a special assembly program. In the evening there will be a dinner followed by school parties. While the detailed program has not been arranged it is not too early for all who have ever attended the Northwest School to make plans to be present on October 23.

Henry Osgaard, Wilmar introduced his wife to members of the faculty on July 27 as they were on their way to Duluth and the Superior National Forest. Henry attended the Northwest School in 1916-18. Since leaving school he has travelled extensively thru Canada, Alaska and Hawaiian Islands and is now in the furniture business in Wilmar.

Crops and Soils Day a Success

The annual meeting of the Red River Valley Crops and Soils association was held at the Northwest School Experiment station July 19. Members of the association from nearly every section of the valley attended and the Albert Dickinson and Fargo Seed houses and the American Agricultural Chemical Company sent representatives.

The small grain and forage plots were in the best of condition for observation and the field trip was exceptionally interesting and profitable. There is no adequate substitute for seeing the results of experimental trials. Those who attended were enthusiastic about seeing for themselves the performance of new varieties and the program was different from the one followed at club visitations so that those who had come with their farm clubs did not repeat the program they had followed at that time.

At ten o'clock, a business meeting was held with election of officers and directors. At one o'clock there was a program of discussions on pertinent subjects by T. M. McCall, E. R. Clark, and R. S. Dunham. The following officers and directors were elected: President, Emil Wagner; vice-president, W. H. Frey; secretary, R. S. Dunham; treasurer, L. D. Foskett and George Marvin, Roseau; directors: Arthur Norum, Kittson; David Drotts, Marshall; H. C. Woolson, Pennington; George Orr, Red Lake; Ole Flaas, Polk; J. B. Luchau, Norman; Ebenhard Gandrud, Becker; Theo. Skrei, Clay; T. E. Gullings Clearwater; H. E. Osgood, Ottertail; and A. J. Robinson, Mahnomen.

Poultry Culling Demonstrations

The value of poultry culling is now well known among poultry owners and many flock owners have themselves become quite proficient by reading and through demonstrations. It is estimated that on the average farm from one third to one half of the flock are boarders, and if sold during the late summer or early fall would mean thousands of dollars saved to the farmers in the Valley.

The Northwest School receives many requests from flock owners for assistance in culling their flocks. The Poultry Department of the School will conduct a demonstration in your locality free of charge as a part of its regular extension service. For further information, write A. M. Pilkey, Poultry Specialist.

Quality Breeding Stock

For Sale—Trap-nested for five years, Leghorns, Rock and Reds, Cocks and Cockerels. A few one and two year old hens for sale. Northwest School, Crookston.

1926 EXPERIMENTAL RESULTS

Wheat, Oats, and Barley Varieties

WHEAT

As a three-year average, Mindum has yielded 37 bushels; Marquillo, 34.3 bushels; Ceres, 31.8 bushels; Marquis 24.6 bushels; Ruby 23.6 Burbank Quality, 23.5 bushels; and Kota, 22.2 bushels. Marquillo is a new rust resistant wheat not yet ready for distribution. Ceres is a new semi-resistant wheat distributed last year in North Dakota. Ruby has a high average due to its yield in 1924 when it made an exceptional record. This year it yielded the least of 20 varieties tested. Quality has yielded slightly less than Marquis but has weighed from 2½ to 3½ pounds more per bushel during the last three years.

OATS

This season was unfavorable for Gopher oats. As a result its three-year average yield is 68.3 bushels as compared to 71.8 bushels for Minota and 67.1 bushels for Victory. The Liberty Hull-less yielded only 38 bushels after adding 30 percent for hull and figuring at 32 pounds per bushel. New rust-resistant varieties not yet named or ready for distribution were highest yielders.

BARLEY

Velvet barley outyielded all other varieties tried this year. As a four-year average, however, Trebi (commonly called Canadian in the Valley) yielded 44.1 bushels; Velvet, 36.7 bushels; and Minnesota, 184, 36.9 bushels.

Sweet Clover for Soil Improvement

In 1924 six plots were laid off on land in sweet clover and the following treatment given:

1. No sweet clover. Barley in 1924.
2. Sweet-clover. First crop plowed under.
3. Sweet clover. Hay crop cut and removed. Second crop clipped and plowed under.
4. Sweet clover. First crop clip-

ped and left. Seed crop harvested.

5. Sweet clover. Hay crop cut and removed. Second crop plowed under.

6. No sweet clover. Barley in 1924.

In 1925 and 1926 these plots were cross-planted with wheat, flax, corn, and potatoes. In 1925 an increase of 4.8 bushels of wheat, 9.4 bushels of flax, 17.7 bushels of corn, and 52.9 bushels of potatoes resulted from plowing under the second crop. Plowing under the first crop did not increase yields nearly so much.

In 1926 the increase in wheat on the same plot was 2.0 bushels and flax 3.2 bushels.

Results With Alfalfa

As a three-year average five varieties of alfalfa have yielded as follows: Grimm, 2.69 tons; Cossack, 2.63 tons; Ontario, 2.51 tons; Hardigan, 2.67 tons; and Baltic, 3.04 tons. The Baltic, as near as its history can be traced, is a selection from Grimm. It has very little commercial importance due to the difficulty of establishing identity of the seed. The Hardigan is a Michigan variety and the Ontario, a Canadian variegated.

In trials to determine the residual effect of acid phosphate applied several years ago, alfalfa responded as follows: where the last application of phosphate fertilizer was made in 1918, alfalfa this year yielded 720 pounds per acre more than where it had never been fertilized. Where it was last applied in 1919, there was an increase of 900 pounds.

Alfalfa and sweet clover were seeded last spring on land that had formerly been in (1) continuous wheat, (2) continuous oats, (3) continuous barley, and (4) a four year rotation of wheat, oats, barley, and corn and potatoes. Best stands in each case were secured on land that had been in corn and potatoes the year before.



Class in Meat Cutting

PERSONALS

Maurice Bursheim '21 will have charge of the Grygla school this year.

Lillian Walhaug '26 visited in Norway during a part of the summer.

Ruth Solem is now a registered nurse, at 701 Park Avenue, Kenosha, Wisconsin.

Paul Engelstad '16 Thief River Falls was superintendent of the livestock department of the Grand Forks fair in July.

Knute Grahn, Roseau, a junior at the Northwest School, was married on July 31 to Miss Lydia Danielson also of Roseau.

Reuben R. Anderson, Clearbrook, a former student, was married on June 16 to Elizabeth Randine Widseth of Gonvick.

Announcements were recently received of the birth of Lois Ruth, 8 $\frac{3}{4}$ pounds, to Mr. and Mrs. A. M. Christenson, Minot. Mr. Christenson was formerly pure seed specialist at the Northwest School.

A number of the Northwest School faculty assisted at the State fair this year. R. S. Dunham was one of the judges on farm crops. O. M. Kiser and D. H. LaVoi assisted in the livestock department. A. M. Foker and E. R. Clarke were leaders at the Farm Boys' camp. Miss Retta Bede and sixteen Northwest School girls also assisted at the Farm Boys' camp. H. A. Pflughoeft was in charge of the club boys and girls who lived at University Farm during the fair.

A daughter was born August 29 to Mr. and Mrs. Joseph Thorkildson of Stephen. Mrs. Thorkildson was formerly Inga Folvig. Both are graduates of the Northwest School.

On July 12 Miss Corinne Anna Neafie, Des Moines, Iowa was married to Ward V. Gousseff, formerly in charge of livestock work at the Northwest School and station.

Mr. and Mrs. J. L. Hartney visited at the School on July 2. Mr. Hartney, was formerly instructor in the motors department and will be chief engineer of a newly constructed steam power plant at Green Bay, Wisconsin.

Harry Baker who attended the Northwest School in 1922-23 plans to enter Ames this fall. His home address is Britt, Iowa. Harry mentioned that he had met Ted Neske '25 who will attend the College of Agriculture, St. Paul this year.

Record Enrollment Assured

A total of 220 students have reserved rooms for the first term at the Northwest School which opens October 4. This was the total compiled on September 8.

Of the students who have reserved rooms 15 are in the fourth year class. There are 63 seniors, 70 juniors and 72 freshmen. Practically all the upper class students have reserved rooms and the increase in enrollment will be in the freshman class. The total is expected to be well over 250 which will be the largest fall enrollment in the history of the school.

Rooms are still available. For the benefit of new students rooms may be reserved by making a deposit of \$2.00. This applies on the room rent when the student registers.

Health Service Building Contract Let

Contract for a health service building at the Northwest School, Crookston, was let last week to the lowest bidder. Construction will be rushed. Vacating the health service quarters which are at present located in the boys' dormitory when the new building is completed, will provide rooms for twenty additional students.

Colonel Roosevelt Invited to Valley Winter Shows

Colonel Theodore Roosevelt promised Superintendent C. G. Selvig at a conference with him in Minneapolis on September 1 that he would come to the Red River Valley Winter Shows next February unless some unpreventable circumstance made it necessary for him to cancel the engagement. He expressed much interest in coming to the Red River Valley because he had heard that the shows were enthusiastically supported by the entire section.

Aggies Schools Have Exhibit at State Fair

All the schools and stations of the University Department of Agriculture, as well as the college, were represented by exhibits at the State Fair. A very effective presentation of the state's agricultural institutions was made. The Northwest School and Station, Crookston, had an exhibit which attracted much attention.



Girls Play Basket Ball

Fatten Surplus Poultry

All birds intended for market should be confined to a crate and fed for from ten days to two weeks on equal parts of finely ground yellow corn and shorts, or barley and flour middlings. This mixture should be fed in a thin slop made with buttermilk or sour milk. Starve the birds for twenty-four hours. Do not feed heavily for the first couple of days, gradually increase until the fifth day after which the birds should be given all they can eat in twenty minutes twice daily. The gain that healthy, louse-free chickens will put on will well repay the cost of feed and labor. Dust the birds with sodium flouride for lice.

Girls Enjoyed Fair Trip

The sixteen Northwest School girls awarded free trips to the State Fair because of high records in school last year enjoyed their work at the Farm Boys camp and the many excursions about the twin cities.

Freshmen girls who register this fall it is expected will be eligible to attend the fair in 1928.

Those who attended this year were Carrie Buck, Crookston, Adeline Bunes and Ruby Hanson, Eldred, Sophie Breiland, Hazel, Dorothy and Leota Chandler and Nellie Strickler, Euclid, Hannah Degernes, Gary, Annie Dunbar, Caribou, Gunda Gullingsrud, Kratika, Clara Gunufson, Fertile, Anna Hruska, Lcokhart, Gladys Huartson, Gatzke, Vivian Olson, Thief River Falls, Ruth Soltis, Tabor, Edna Story, East Grand Forks.