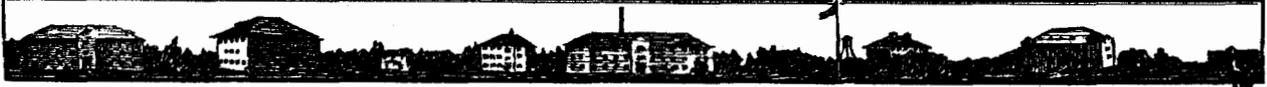


# THE NORTHWEST MONTHLY



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NO. 9.

## Six Livestock Tours Will Visit Prominent Valley Breeders on Sept. 14th

Six livestock tours all on the same day and ending in a grand parade followed by a banquet and program September 14, is the announcement sent out by the Red River Valley Livestock association.

The tours will take place on Monday, September 14. They will start from St. Vincent, Roseau, Clearbrook, Pelican Rapids, Breckenridge and East Grand Forks.

The tours are to be in charge of the directors and advisory board members of the Red River Valley livestock association in their respective counties. The plan is for all the tours to terminate at the Northwest School campus by 5 o'clock in the afternoon. From there the combined six tours will form in a big group and parade the streets of Crookston with a band at the lead and county banners flying.

Dean W. C. Coffey, J. S. Bangs manager of Swift & Company, South St. Paul, and F. E. Murphy, publisher of the Minneapolis Tribune, have been invited to join with the Red River Valley livestock breeders on that day and to speak at the banquet.

Important items of business relating to the Red River Valley Winter Shows will be determined at the business meeting following the brief program of speeches. The date of the donation sale which is to be held in October will be set.

All the members of the Red River Valley Livestock association and all interested in livestock development are invited to join one of these tours and to attend the dinner and the meeting. A charge of 75 cents per plate will be made for the dinner.

### DONATION SALE

#### Big Livestock Event Scheduled for October

The date for the Red River Valley Livestock association donation sale will be set at the September 14 meeting of the association which will be held at the Northwest School at the conclusion of the tours. The officers directors, and advisory board members report a keen interest in this event by all who have been seen regarding it to date. Over 60 animals have already been donated including

several pure bred heifers as well as bulls, hogs and sheep.

The purpose of the sale is to pay off the present mortgage indebtedness on the buildings to permit further expansion of the Red River Valley winter shows.

The present indebtedness is \$12,000. If this is raised, it will be possible for the association to purchase additional property adjoining the pavilion at a very reasonable price.

This additional property can then be paid for out of rentals and proceeds from land donated to the Red River Valley Livestock association.

In case the donation sale fails, this additional property will not be purchased which means the winter shows will not be enlarged and that the increased state appropriation will be lost.

On a recent trip to Ottertail and Wilkin counties, C. G. Selvig received assurances that at least \$1500 worth of pure bred livestock would be donated by breeders living in those counties. With the interest in the Valley shown by persons in counties at that distance, it is practically assured at this time that the donation sale will be a complete success. All the breeders in the entire Valley are interested and are planning to do what they can to lift the mortgage from the property.

There will be no future call for subscriptions or donations, according to the officials of the association.

### RECORD ENROLLMENT EVIDENT

The reports from the Registrar's office are that 1925-26 will be the record year at the Northwest School. There will be a larger proportion of former students returning than for any previous year. There will be at least 42 in the senior class with between 15 to 20 in the advanced class. This is considered especially good in view of the fact that these classes were smaller than the average freshmen classes when they entered due to the financial conditions which prevailed.

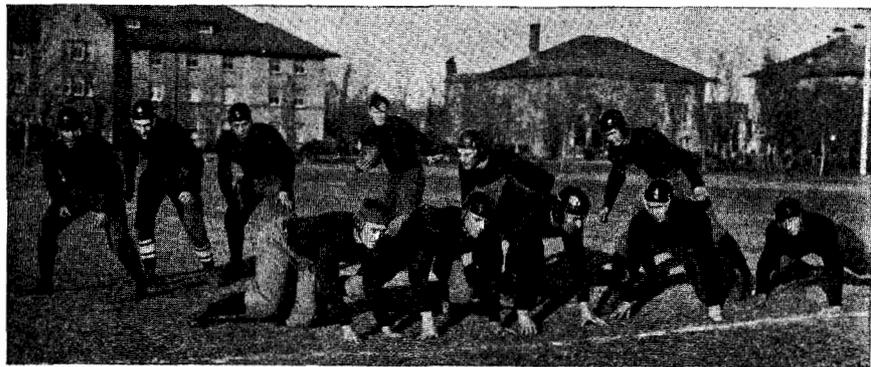
More requests have been made for information and more rooms reserved in the dormitories. Students will still have a long time in which to assist at home or to earn their school expenses. School does not begin until September 28.

The inquiries indicate that many new students will be interested in the music courses. The school has exceptional facilities for training such students. Opportunity is afforded for instruction in voice, piano and violin. Glee clubs, choruses, band and orchestra offer additional opportunities to develop along this line.

The business training department also seems to have interested many students. Instruction in that department is offered as electives to the regular courses.

A greater number of new students are also evidently planning on continuing in college, University or Teachers College after completing the courses at the Northwest School.

The great majority of students will of course still be interested in the agricultural and home making courses.



Many of last year's team will form nucleus of team when school opens September 28

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Issued Monthly by  
THE UNIVERSITY OF MINNESOTA  
NORTHWEST SCHOOL OF  
AGRICULTURE  
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OFFICE  
Northwest Experiment Station,  
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agricultural education and home training for  
Northwestern Minnesota.

### MANY CLUBS VISIT STATION

In spite of unfavorable road and weather conditions the total attendance of visiting clubs during the summer exceeded that for any other season. This was the fourth year the plan of inviting small groups to visit the Northwest School and Station has been followed. A total of 36 communities were scheduled for the summer and 28 were able to come as planned. Eight were unable to come because of heavy rains during the day or the night before. Several were unable to arrange dates as it has been the plan to have only one community visiting at one time.

The average attendance was 70. A number were quite large and included the Rindahl Creamery association with 126, Gervais-Alert Farmers club of Plummer with 103, Winger Creamery association with 108, the Brandt-Helgeland Farmers club with 111 for their 4th annual visit and the St. Hilaire Creamery association with 143, the largest delegation of the summer.

Many of the clubs came long distances. Those who came the longest distances were the Big Woods Farmers club of Western Marshall, the Holt Community club, the Donnelly Community club west of Stephen, Rosewood Farmers club, a group representing four townships near Newfolden and the county tour from Clearwater county.

It was interesting to note the basis for organization of the visiting delegations. Creamery associations seemed to be a favorite center of organization and some of the largest delegations were from such organizations. That a creamery is a decided asset to the community was shown when A. J. Hed of the St. Hilaire creamery said that \$145,000 were paid to members last year. Townships offer another means of getting together. Farmers and Community clubs are ideal for providing the means of getting together for the locality. These clubs not only provide a means where matters of local interest may be discussed but the recreational side plays a large part as well.

It was also interesting to note the activities being carried on. Many of the clubs are engaged in cooperative buying where mass orders are placed with local merchants to mutual advantage. School houses have benefited in that they have been remodeled for club use, with piano, lunch room and other facilities which can also be used by the school. Some clubs are known for their exhibits

and interest in local fairs. Plays and entertainments are also prominent parts of the program in some localities. The clubs in Marshall county have hit on a real way of becoming acquainted. One club will invite another club to their meeting. Either the host or the guest club will provide the program which is of unusual interest. The return invitation is soon extended and a trip made to the other club. Lunches are served, games are played and everyone agrees that life is much worth while.

Space does not permit recounting the accomplishments of the many communities represented but the members of the faculty at the Northwest School have received a renewed vision of the opportunities open to community clubs. The school wishes to give any assistance it can to any community and they may feel free to call for such assistance at any time. The school also appreciated the opportunity to be host to so many fine delegations and extends an invitation for all to return another year.

### PURE SEED GROWERS ACTIVE

Applications for certification of pure seed fields show a substantial increase again this year, ninety-eight growers in the eleven northwestern counties having applied for field inspections this season. Alfalfa growers make up over half of this number, and with the present prospect of a little better than an average seed crop in the fields left for seed, the supply of reliable Minnesota Certified Grimm seed should be ample for home requirements for next season. While many fields show troublesome admixtures, such as sweet clover, red clover, and dragonhead mint, the majority are much cleaner than in previous inspections and show the result of patient efforts by the growers.

Chippewa flax and Gopher oats stand next in number of requests for inspection. While a few fields have been rejected on account of mustard and wild oats, thousands of acres of clean Chippewa flax and several hundred acres of registered Gopher oats will be cut for seed this year. The last named variety distributed for the first time by the Northwest Station this season, has been received with much enthusiasm by the growers because of its earliness, stiff straw, and plump heavy kernels.

Several fields of pure Marquis wheat, grown from new strains recently distributed by the Canadian stations, have been inspected and show practically no traces of the admixtures of bearded wheat commonly found in Marquis. Certified seed of Minturki and Minhardi, leading varieties of winter wheat, also will be available for fall seeding.

The Red River Valley Crops and Soils association is cooperating with the Minnesota Crop Improvement association, which is the official seed certification organization for this state. E. R. Clark, seed specialist at the Northwest Station, made the field inspections in this section of the state, and advised with the growers regarding handling of seed fields.

### FOOTBALL SCHEDULE BEGUN

Plans for the 1925 football season at the Northwest School have been begun. The school expects to have the strongest team in its history. Many of last year's winning team will return. D. H. LaVoi will again be the coach and he will be ably assisted by A. M. Foker and D. A. Milligan. Mr. Milligan who will have charge of the farm motors work has had considerable football experience at the University of Illinois. Two games have already been scheduled. The game with the West Central School at Morris comes on October 17 and the game will be played there. On October 24 East Grand Forks plays at the Northwest School. This was the only school which could defeat the 1924 team.

### THE GROWING PULLETS

Upon the care and management of the growing pullets, from the time that they leave the brooder house until they are put in laying quarters for the winter, says A. M. Pilkey, poultry specialist at the Northwest School, will depend very largely their capacity for early winter egg production, and the consequent profit which can be realized from them.

The three essentials to proper care of pullets at this stage are: **Good range and shade, a well balanced ration, and comfortable housing.**

Ideal range is to be found where abundance of shade can be had, and more especially when it has been seeded down to alfalfa, clover or sown to oats. Failing this, artificial shade must be provided by the planting of shrubs, sunflowers or other quick growing shade. The corn field provides an ideal location for developing pullets.

From the age of two months, until they go into winter quarters, dry-mash in a self feeding hopper should be before them at all times. This mash should consist of equal parts of cornmeal, or barley, bran and middlings, 10 percent meat meal, 3 percent bone meal, 3 percent fine grit 1 percent charcoal. If the pullets are rather late, maturity can be hastened by feeding in addition to the dry-mash, a moist mash once daily. A hopper of good mixed grain or low grade wheat, a plentiful supply of sour milk or fresh water should be kept constantly before the pullets, for too often they suffer from underfeeding.

Do not allow the pullets to run with the old hens. A portable colony house on skids can be made very inexpensively and moved out to the windbreak or corn field, and later to the wheat fields.

The size of next winter's egg basket depends large on the care of this summer's pullets.

### PAUL URTEL WINS TRIP TO STATE FAIR

By winning first place in the general livestock judging contest held during the Roseau county fair, Paul Urtel, Warroad, has won for himself the distinction of being best club judge in the county.

**COOPERATIVE WORK WITH FIELD CROPS**

Cooperative trials and demonstration plots on farms in various sections of the Red River Valley are being arranged by the agronomy department of the Northwest Station. These cooperative tests will include the comparison of various implements for cultivating and rejuvenating alfalfa fields, growing registered pure seed plots of pedigreed varieties of small grains, comparison of varieties and strains of corn, and methods of sow thistle control. This work has been made possible by the appointment of an additional staff member for home project and extension work. The cooperative trials will be in charge of E. R. Clark, seed specialist at the station, who is conferring with growers regarding the plan of these tests.

Ten cooperative trials with phosphate fertilizer are being conducted this summer by Northwest School students under the supervision of the home project leaders. Pure seed plots of Chippewa flax and Gopher oats have been grown by several cooperators who have kept them free from admixtures and will handle the crop as registered seed. This work will be greatly extended next season thru the aid of county agents and other local leaders.

Survey of corn varieties grown in various counties and a study of methods used in curing and handling alfalfa hay by growers of several years experience are being made this season and the results will be made available in future publications from the station.

**NEW GREENHOUSE**

The foundation for the greenhouse in its new location south of Owen Building has been completed and a force of men are busy at work moving the old sections to the new location and building the new sections that are to be added. It is expected that this work will be completed by the middle of September.

**POULTRY HOUSE REMODELED**

The Northwest Station poultry house which was built in 1898 has been rebuilt and remodeled during the past season. The poultry department now has facilities for carrying out its projects under favorable conditions. The remodeled house includes ventilation and other features that will appeal to visitors who annually come to the Northwest School.

**NORTHWEST SCHOOL STUDENTS GIVEN ACTIVE PARTS AT ROSEAU FAIR**

Paul Urtel of Warroad acted as superintendent of the club department, while Wallace Miller held the duties of assistant superintendent of the livestock department. In each case, older men formerly have held these positions. Paul has charge of the Warroad livestock club and has been doing exceptional work along this line. Fifteen of his club members were exhibitors at the fair.

**NORTHWEST SCHOOL STUDENTS HELP MAKE PENNINGTON COUNTY CALF CLUB SHOW THE LARGEST IN THE STATE**

Theresa Aakre, Goodridge, in charge of a dozen calf club members, and Ray Mageson, Grygla, in charge of half this number, helped account for the wonderful turnout of club calves at the fair. There were 65 calves shown, representing at least six communities, namely Thief River Falls, Goodridge, Holt, Middle River, Grygla and St. Hilaire.

The calves coming from the localities in charge of Miss Aakre and Mr. Mageson did exceptionally well in the showings. Members from each of these clubs will have free trips to the fair.

The leader's work in this case is to organize the clubs, keep the members interested, and at all times to be ready to assist them in their club projects. Both Theresa and Ray have fulfilled these duties, and not only that, but have opened up projects in their own communities which will mean much to their counties.

**LAWRENCE LETNES WINS TRIP TO STATE FAIR**

By winning first place in the Pennington county dairy judging contest, Lawrence has won for himself the right to represent his county in the state contest held during the state fair, September 5-12. Lawrence also took a second prize with his dairy club calf.

**DEMONSTRATION GARDEN A PLACE OF BEAUTY**

The growth of plants and the wealth of bloom of spring planted flowers in the demonstration garden at the Northwest School have been a revelation to all who have seen it. The results obtained so far during the year have come in spite of the handicaps of late spring frosts, early summer floods and late summer drouth. Practically all of the grass walks have a good turf of Kentucky blue grass well established which permits straight edging, adding materially to the neatness of the garden.

A good succession of bloom has been provided throughout the season beginning with the little English daisy and Forget-me-nots and continuing with the Canterbury Bells, Feverfew, Yarrow, Gaillardia, Shasta and Moonpenny daisies, Delphiniums, Phlox, and many more of the perennial flowering plants. The Purple Loose-Strife has made the best showing of the spring planted perennials. A good succession of bloom has been obtained with annual flowering plants, Balsam Gaillardia, Lobelia, Salvia, Snapdragon, Petunia and many others. The annuals are at the height of their blooming season now. Continuing until frost the demonstration garden will present a full range of flower colors and a full range of sizes from the dainty English daisy to the tall stately hollyhocks.

**THE CROPS PROJECTS**

The first round of visits to home project students has revealed to the faculty supervisors an extraordinary array of farm crops projects, and in spite of the extremely wet season the crops projects are the best in many years. Of the twenty-five corn projects undertaken, all but one student, who was obliged to spend several weeks in a hospital, have continued the work up to date and have flourishing plots of corn which in nearly every case are superior to the average in their community. Over one-half of these are from Northwestern Dent seed of the experiment station strain and insures a wide distribution of this strain in various communities. Each student will exhibit a fifty ear sample this fall at what promises to be the largest and best home project show in the history of the school.

The Gopher oats seed plots grown by nine students are splendid demonstrations of the merits of this new variety and of the quality and purity of seed that can be produced by intelligent attention to the requirements of pure seed production. The Chippewa flax plots, while somewhat damaged by water are clean and well cared for. The soybeans and potato fields, which have suffered from flood conditions, have been well cared for in most cases and present very gratifying results. Many fields of Minsoys will ripen seed and the Wisconsin Blacks show excellent growth. The potato project boys have a 100 per cent record, every one enrolled having kept up his project work to date.

**FELTON FORMS COMMUNITY CLUB**

The Northwestern part of Minnesota is known for its evidence of fine community spirit. Community clubs are numerous, many having been in existence for several years. One of the latest clubs to be organized is the Felton Community club of Clay county. A three day session was held with speeches, community singing and recreation programs. At the close of the last session on August 1, officers were elected and the organization formed. Mrs. H. G. Kramer will be the first president. Mr. and Mrs. Kramer were until this spring located at Radium where Mr. Kramer was cashier of the bank and interested in the community club there.

No community should be without its club where matters of local interest may be discussed and a recreation program arranged. It makes the locality a better place in which to live. The Northwest School will be pleased to lend its services in assisting other clubs to organize.

**LANDBY GUERNSEY HERD BEST IN ROSEAU COUNTY**

The Landby Brothers of Swift, all graduates of the Northwest School, are doing fine work in building up their Guernsey herd. At the Roseau county fair, they exhibited the best Guernsey herd in the county.

### PRELIMINARY RESULTS OF 1925 CROP TRIALS

R. S. Dunham, agronomist, has prepared a brief statement of observations as recorded in the field crops work at the Northwest Station thus far this season.

#### Wheat

Eleven varieties of wheat planted the same day and on uniform soil showed a wide variation in the amount of rust infection. The percentages of black stem rust found at ripening were as follows:

Red Sask .....	87 percent
Burbank Quality .....	78 percent
Reward .....	77 percent
Marquis .....	68 percent
Garnet .....	60 percent
Parkers Marquis .....	52 percent
Ruby .....	47 percent
Ceres .....	22 percent
Mindum .....	15 percent
Kota .....	12 percent
Marquis x Imuillo .....	10 percent

The Marquis x Imuillo is a new rust resistant wheat not yet ready for distribution.

Ruby ripened July 30; Quality, August 3; Reward August 3; and Marquis, August 7. Rust first appeared upon the Ruby and Quality wheats, July 10.

#### Oats

Stem rust on five new oats varieties varied from 0 to 5 per cent and on Liberty Hulless, 65 percent. The hulless ripened first on August 2 with Gopher next on August 5.

#### Flax

Chippewa flax planted April 16 was in full bloom, June 30; planted May 1 it blossomed July 6; planted May 20 it blossomed July 15; and planted June 1, it blossomed July 21.

#### Corn

Seed of Minnesota No. 13 was obtained at intervals of about 100 miles from Crookston to Iowa. It was all planted on the same day and upon uniform soil. Homegrown seed silked August 6; that from 100 miles south, August 8; 200 miles south, August 8; 300 miles south, August 10; and that from 400 and 500 miles south is not fully silked on August 12. Northwestern Dent obtained from Wright county silked a day later than homegrown Minn. No. 13 and 7 days later than homegrown Northwestern Dent.

Northwestern Dent planted May 1 silked July 25; that planted May 10 silked July 27; and that planted May 20 silked July 31.

Of 20 varieties tried, the earliest corns were Howes Alberta Flint and Sioux Squaw Flint which silked July 17. The latest corn was Gopher which silked August 14. Minn. No. 23 silked July 30; Smutnose, August 7; Northwestern Dent, August 2; and Haney's Minn., No. 13, August 9.

#### Alfalfa

Acid phosphate that was applied in 1918 is still showing its effect on alfalfa. The first cutting this year yielded 2.21 tons where phosphate had been applied and 1.88 tons where no fertilizer was used. Manure applied

in 1918 is not showing any results; neither is potash.

In the first cutting this year from Grimm and Cossack planted in 1922, the Grimm yielded 2.14 tons and the Cossack 2.08 tons. Where they were planted in 1923, the Grimm yielded 1.47 and the Cossack 1.55 tons.

#### Manure for Clover

In trials of 4, 8, 16 and 32 tons of manure per acre, the largest increase per ton of manure on red clover came from the plot receiving 8 tons per acre every two years. The next largest increase per ton came from the 4 ton application (4 tons once in 4 years).

### PAUL ENGELSTAD PROMINENT EXHIBITOR AT PENNINGTON COUNTY FAIR

Mr. Engelstad, graduate of the class of 1916, did very well in the showing of his Guernsey cattle and Duroc Jersey hogs, at the Thief River Falls fair held during the past week. There was stiff competition in these classes and considering this, we are all glad to hear of Paul's added success as a livestock breeder.

### 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 annually fills many requests from flock owners for assistance in culling their flocks. The poultry department of the school will conduct a demonstration in your locality as a part of its regular extension service.

### INTERESING NEWS ABOUT NORTHWEST SCHOOL FOLKS

Mr. and Mrs. Chas. Auburg (Josie Imsdahl) '17 called at the School August 7 and introduced Delores Virginia who is now four months old. Charles has been instructor of science at the Fulton, South Dakota high school. This will be his third year at Fulton.

Mr. and Mrs. J. M. Johnson, 13 Riverside Ave., Minneapolis visited friends on the campus July 28. Mrs. Johnson will be remembered as Selma Tunheim who was school nurse for two years, 1918-1920.

Amos Kasberg '21 will return to the University of Minnesota this fall.

Mr. and Mrs. Walter Anderson (Gladys Christopherson) '23 stopped at the school July 21 long enough to receive congratulations from the members of the faculty. They will live on Walter's farm near Clearbrook.

Elizabeth Jean, weighing 7 pounds and three ounces, arrived at the home of Mr. and Mrs. A. H. Larson on July 26.

Announcements were received recently of the marriage of Miss Josephine Steig of Madison, Wisconsin to A. K. Pierce on August 7. Mr. Pierce was for three years preceptor in Senior Hall and in charge of the business training department. During the past year Mr. Pierce attended and graduated from the University of Minnesota.

On August 4 occurred the marriage of William Austin of Malung to Miss Olga Nettum of Crookston. William attended the Northwest School 1916-1918 until he entered the world war. Miss Nettum has been Mr. Selvig's secretary. Mr. and Mrs. Austin will live on William's farm near Malung in Roseau county.

Mrs. M. Lucile Holliday Swain led the community singing at the state convention of the American Legion at Thief River Falls August 10-12. Mrs. Swain will also lead the community singing at the national convention of the American Legion at Omaha this fall. Mrs. Swain was formerly in charge of the music department of the Northwest School and has conducted the community singing at the Northwest School Farmers' and Women's meeting and Winter Shows each winter.

Miss Ann Simley visited friends on the campus while on a tour of Northern Minnesota the first part of August.

Myrtle Erickson, who completed the four year course last spring, will attend a state teachers' college this fall:

Mr. and Mrs. E. R. Uggen who recently returned from the Philippines will live in Grand Forks where Mr. Uggen has a position with a music house.

On August 10, George Peterson and Sons of Brooks disposed of all their grade Holsteins and will now have a herd of pure bred cattle only. One of the Sons is La Vern who graduated in 1922 from the three year course and in 1923 from the four year course.

Word has been received of the death of Miss Blanche Meade at Alexandria the last part of June after a brief illness. Miss Meade was instructor in Domestic Art during the school year of 1923-1924.

Raymond W. Green and Miss Sophia Monson were married on June 30 at Robbin, Marshall county. They will live on a farm at Swift. Sophia graduated from the three year course in 1915 and from the teachers' training course in 1916.

### PIONEER PRESS PUBLISHES AGGIE SCHOOL STORY

In a recent issue of the Sunday Pioneer Press appeared a full page article regarding the organization and work of the Northwest School and Experiment Station and of the Red River Valley Winter Shows. This article was prepared under the direction of the Pioneer Press and was profusely illustrated, including pictures of school activities, buildings, and livestock.