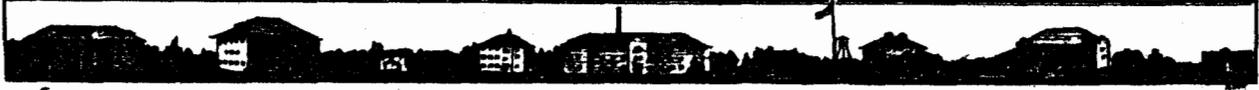


THE NORTHWEST MONTHLY



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CROOKSTON, MINNESOTA, OCTOBER, 1927.

NO. 11.

HOME COMING PLANS READY

HOME COMING, OCTOBER 29! Why make any further announcements of this day? Alumni and former students have been planning for a year to return for this event, and the School is making a special effort to make October 29 an outstanding day. The detailed program as now ready calls for a special assembly at 11:10. R. S. Dunham is chairman of this committee and a real pep fest has been arranged, with stunts, cheers, songs, and yells. At 2:30 Coach La-Voi's team will meet the Bemidji Teachers. This will be a real test of what the Aggie team can do this year, as the Teachers' team is made up of High School graduates. Their schedule has included a number of Teachers' Colleges, Junior Colleges, and some of the best teams on the Iron Range. The game therefore promises to be exceptionally good. In the evening there will be a get-together dinner with Miss Helen Brown as chairman of the committee for the dinner program. Those who are planning to be at this dinner should notify Miss Fanny Lippitt not later than October 27. In the evening there will be two parties. The party in the gymnasium is being planned by a committee of which A. M. Foker and Miss Simley are in charge. Another group will meet in the cafeteria and the faculty members on that committee are A. H. Larson and Miss Elea Simonson. This brief announcement of the day's activities indicates a most enjoyable affair and the Northwest School would like to see every alumnus and former student on hand for this, the biggest celebration of the year.

VISITS SCHOOL

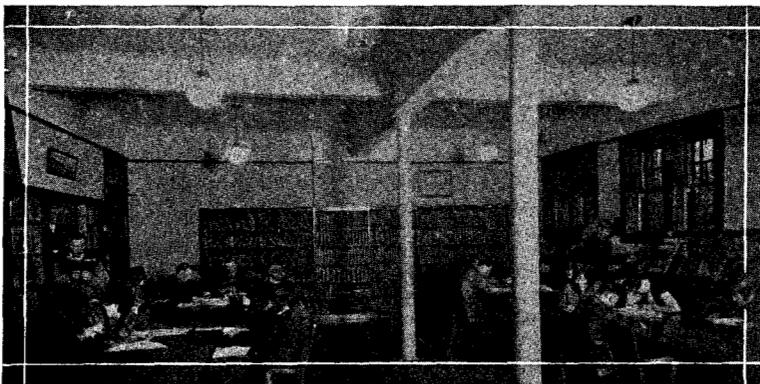
Miss Newhall, a former nurse at the Northwest School, visited in Crookston during the Federated Clubs convention and spent some time noting the changes and growth of the school. Miss Newhall is now at Minnetonka and is employed as an instructor in one of the city schools.

1927 RESULTS IN CROP TRIALS

In a very brief way a few of the results obtained in the Agronomy experimental work during 1927 are reported below by R. S. Dunham, Agronomist. The details of the work and results will appear in the Annual Report of the Station, now in preparation.

Wheat:—The most rust-resistant wheat of which there is sufficient seed for distribution in 1928 is Ceres. It has a 3-year average of 29.6 bushels, as compared to 24.2 bushels of Marquis. Marquillo will not be distributed before 1929.

Oats:—In a very bad season for oats, a new variety named Anthony displayed a marked resistance to stem rust. It yielded 62.2 bushels this year, weighing 36 pounds per bushel. It has a 4-year average of 71.8 bush-



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els. It will be ready for distribution in 1929.

Barley:—Peatland, a variety particularly adapted to peat soils, showed up very well in 1927, in yield, rust resistance, and stiff straw. Velvet, the smooth-awned variety, continues to be very popular.

Flax:—All varieties were planted on land in flax four years ago. No wilt developed in any of the wilt-resistant varieties such as Chippewa, Winona, Linota, and N. D. 114.

Corn:—Corn at this station was killed by frost on Sept. 23. All varieties were completely husked and the ripe ears sorted from the green. The following are percentages of ripe ears for each variety:

Variety	%
Howes Alberta Flint	100
Quebec Flint	91

PARENTS DAY, NOVEMBER 5

The Northwest School and student body invited all mothers and fathers of students to visit the school on the Eighth Annual Parents' Day, which has been scheduled for Saturday, November 5. It will be an all-day program and parents are urged to come early in order that they may see as much of the school's activities as possible. The forenoon will be given over to the visitation of classes. This is the most important feature of the day's program. Classes will begin at 7:45 and continue until noon. At noon the fathers and mothers will be the guests of the students in the dining hall. Those who plan to be present for the dinner must notify Superintendent A. A. Dowell not later than November 3. At the special assembly scheduled for 1:00 o'clock, students will demonstrate some of the work being done in the English and music departments. There will also be demonstrations by students in the home economics department. At 2:30 the parents will see the students at play when they will witness a football game with the East Grand Forks high school. Up to the printing of this issue, East Grand Forks has not been defeated, and will give the Aggies a hard game. Parents who can stay for the evening are invited to attend the school party which will be in the form of a Hallowe'en celebration. The day is therefore intended to show the work of the school in its various activities. Come, therefore, and become better acquainted with the instructors, the institution, and the work that is being done.

Dakota White Flint	87
Pearl Flint	96
Manitoba Amber	72
Minnesota No. 23	93
Northwestern Dent (Crookston)	62
Dakota White Dent	63
Golden Dent	65
Thorpe's Minn. No. 13	40

Two very interesting crosses appeared in the trials. One was a cross
(Continued on page 3)



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THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE

A. A. DOWELL, Superintendent

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

NEW SCHOOL SONG

The faculty and students of the Northwest School are indeed proud of the new school song, "The Valley Aggie," with words by Miss Anne Simley of the English Department, and music by Miss Rose Polski, of the Department of Music. Alumni and former students should make every effort to be on hand for the annual Home Coming on October 29, and assist in initiating the new song. Clip out the words, slip them into the old suit case, and then learn them on the way to the big Home Coming celebration. Help make the Valley ring with:

O Aggies Cheer, O Aggies Cheer,
Let's boost for our A. C.,
With its vine-clad walls, and its dear
old halls, we're as happy as can
be;
With friends so true and a will to do,
For our A. C. we stand,
So let us sing till the Valley'll ring,
for the best school in the land.

BABY BEEF POPULAR

The Animal Husbandry section of the Northwest Experiment Station recently purchased a carload of purebred and high grade Hereford calves from Bolstad Bros., of Fosston. These calves will be used in a Baby Beef feeding trial during the coming winter, and marketed at the close of the feeding period next June.

According to O. M. Kiser, four lots of eight calves each will be used in this trial, beginning November 1. All lots will receive corn silage, alfalfa hay, and oil meal, the latter being fed at the rate of 1½ pounds per head daily. The grain ration will be barley and oats fed alone and in combination. Lot 1 will receive barley alone; Lot 2, 2-3 barley and 1-3 oats; Lot 3, 1-3 barley and 2-3 oats, and Lot 4, oats.

A number of valuable beef cattle feeding experiments have been carried on at the Northwest Station during the past few years. That this work has been of general interest to the beef producers of this section of the state was clearly shown on Feeders' Day last June, when over 200 farmers, from every county in Northwestern Minnesota, gathered together to hear the results of the trial. Beef cattle men will await with interest the outcome of this year's work.

SCHOLARSHIPS AWARDED

Eight scholarships of \$75 each have been awarded to boys and girls in eight northwestern Minnesota counties who have made an outstanding record in club work. These scholarships are to be used in defraying expenses at the Northwest School for a minimum period of six months. One-half of the scholarship will be available for the fall term and the balance for the winter term of the 1927-28 school year. Recommendations were made by county agents in all counties where an agent was employed. In other counties a list was submitted by local boys' and girls' club leaders.

In making the final awards, the committee in charge conferred a distinct honor on those boys and girls who were fortunate enough to receive one of these fine scholarships. Emphasis was placed not merely on accomplishments of the past year, but on the progress made from the very beginning of their club activities.

Scholarships were awarded as follows:

Clarence Eidenschink, Detroit Lakes, Becker Co.

Loren Braten, Barnesville, Clay Co.
Arthur Widseth, Gonvick, Clearwater Co.

Orville Anderson, Hallock, Kittson Co.

Harold Bendix, Henning, East Ottertail Co.

Archie Overgaard, Dalton, West Ottertail Co.

Freeman Allen, Thief River Falls, Pennington Co.

Alice Erickson, Pencer, Roseau Co.

STUDENTS ENJOY GET-TOGETHER

Mixers and get-togethers were held during the first two weeks of school in order that students might become better acquainted with one another and more quickly take their places in the life of the school and its activities. On October 5 the boys held their Annual Pow-Wow and the girls their Frolic. Songs, talks by students and faculty, stunts and refreshments made up the programs. On October 8 the Y. M. and Y. W. C. A. entertained all the new students, together with the faculty. This was a most enjoyable occasion. Ideal weather prevailed for the Annual Outdoor festival, which was held October 15. The usual program was followed, which included a picnic supper, stunts, races, and relays, and a tug-of-war between the Boys' dormitories, the latter event being won this year by Senior Hall. After the pillow fight, the knights' combat, and the dairymen's special events, a long line made its way through the woods to the bon-fire which had been prepared by the freshmen boys. The Morris goat at the top of the pile showed great tenacity in withstanding the flames and indicated to those superstitiously inclined that the annual clash at Morris October 22, would be a hard one. As the flames died down, cheer leaders directed the students in school songs and yells, concluding a perfect evening.

GOOD PROGRAMS

FOR ASSEMBLIES

The Northwest School auditorium makes possible the assembly of all students several times during the week to listen to music, addresses, programs, or entertainments. The assembly periods for October have been excellent and other good programs are scheduled for this year.

On October 4, Superintendent A. A. Dowell welcomed the students and suggested a number of factors that would help make the school year worth while. On October 5, Mrs. T. G. Winters, past national and state president of the Women's Federated Clubs, spoke on the acquaintances she has made among the national and international leaders. These men and women, she said, show attributes of unselfishness and a desire to be of service to their fellow men. On October 6, W. L. Harding, former governor of Iowa, discussed the St. Lawrence-Great Lakes Waterway, on which subject he is a recognized authority. Mr. Harding also called the attention of the students to the qualities of success, which he said were work, a definite aim in life, and constant application. On October 11, H. A. Pflughoeft, district boys' and girls' club leader, spoke on club work and introduced a large number of club members who are now students of the Northwest school. On October 13, A. H. Larson talked on the use of the library. John R. Rodgers, state student Y. M. C. A. secretary, was the assembly speaker on October 20. Other periods have been devoted to educational films and public speaking programs.

NEW TEACHERS ENTERTAINED

The new teachers were the guests of the other instructors at the home of Superintendent and Mrs. A. A. Dowell, the evening of October 1. The instructors were properly examined as to their qualifications and finally admitted by unanimous vote to become members of the organization. The new members were A. A. Dowell, Miss Elesa Simonson, nurse; Miss Helen Brown, voice, and Howard C. Rutt, engineering. Letters were read from last year's faculty members who did not return. Mr. Selvig is now United States congressman from the Ninth District, and their Washington address is 1712 16th St. N. W., Apartment 406. Miss Ruth Sheldon is instructor for nurses in Grant Hospital, 531-559 Grant Place, Chicago, Illinois. Miss Ruth Gurley is now Mrs. Hutchinson and is living at 515 Buchanan Street, Gary, Ind. D. A. Milligan is now in charge of the mechanical equipment of the Eastern district, comprising New York, Pennsylvania and Ohio, in the corn borer control. His address is 615 Front Street, Toledo, Ohio. The remainder of the evening was given over to a program of readings and music by members of the faculty.

PURE SEED WORK IN 1927

The pure seed work at the Northwest Station during the season of 1927 has been conducted along the following lines: (1) distribution of pure seed grown on the station farm; (2) assistance to other growers in distributing their seed, through the station seed list and correspondence; (3) promoting the production of foundation seed plots on the farms of Northwest School students and other co-operators; (4) field inspection of seed fields for certification by the Minnesota Crop Improvement Association; (5) cooperation with the Red River Valley Crops and Soils Association in the publication of "Crops and Soils," and holding the summer meeting; (6) the Farm Crops Show and Northwest School Farmers' Meetings; and (7) growing pure seed on the station farm for distribution next season.

According to E. R. Clark of the Northwest Station, pure seed was furnished to 249 cooperators, who received a total of 3587 bushels. Varieties distributed included Ceres, Mindum, and Marquis wheat; Velvet, Minnesota No. 184, and Trebi barley; Gopher oats; Chippewa flax; Golden Vine field peas; and Crookston strain Northwestern Dent corn.

As in previous years, the amounts of seed of the new varieties furnished to one grower were limited. Not more than six bushels of Ceres wheat and the same amount of Mindum wheat were furnished to one farmer.

Ceres wheat, a bearded selection from a cross between Kota and Marquis, which was developed by the North Dakota Agricultural Station, was distributed for the first time from the Northwest Station this year. Forty-nine cooperators received a total of 239 bushels of this variety. A new stock of Mindum durum, from seed handpicked in the spring of 1925 to remove barley and bread wheat admixtures, was distributed to 49 growers, who received a total of 304 bushels. This seed was absolutely free from admixtures of other grains and varieties, and met a great need among durum wheat growers. Marquis wheat was in very limited demand, but 57 bushels were distributed. This was grown from Canadian registered seed and contained no admixture of bearded wheat.

Velvet barley, which was first distributed last year from this station was again in great demand, many orders being received from other sections of Minnesota and from adjoining states. Seventy-seven growers obtained 780 bushels of this variety. The station stock of 152 bushels of Minnesota No. 184 barley was sold out this season, and this variety will be discontinued from the increase fields, being superseded by Velvet.

The Gopher oats sent out this year weighed 37 lbs to a bushel and was almost entirely free from the barley admixture common in this variety. It contained, however, the usual admixture of midseason oats. 1186 bushels were sold to 61 growers.

Forty-nine bushels of Crookston

strain Northwestern Dent were sold from the station seed house. This seed was graded into four grades, according to size of kernels. It germinated 95 to 98 per cent. Fifty-six bushels of Golden Vine field peas were sold to eight purchasers, and 260 bushels of Chippewa flax were sold from the station fields.

Field inspections were made for 63 growers, covering 155 fields, and reports were sent to the Minnesota Crop Improvement Association, which has charge of seed certification work in this state. Fields inspected included 26 fields of Velvet barley, 21 fields of Gopher oats, 18 of Mindum and 12 of Ceres wheat, 16 alfalfa fields, 16 Chippewa flax fields, and a few each of Trebi barley, Linota and N. D. R. 114 flax, Victory and Swedish Hvitling oats, Minnesota No. 2 rye, and Crookston strain Northwestern Dent corn.

Barley was the most satisfactory grain crop among the pure seed growers this season. Mindum and Ceres wheat gave excellent crops, but on account of the amount of seed furnished being limited to six bushels to a grower, the total production per farm was small. Early flax fields made good yields, but in some localities later seeding was injured severely by early frosts.

MANY OPPORTUNITIES FOR MUSIC OFFERED

Students at the Northwest School who are interested in music are finding many opportunities to participate in musical organizations. Approximately 100 students are taking private lessons in voice, piano and violin. The school chorus has been organized and rehearsals have already begun. This group will sing on Parents' Day. Both the boys' glee club and the girls' glee club have full memberships. The thirty students reporting for the first meeting of the school orchestra will be divided into two groups, one for those who have had considerable experience, and the other for beginners. A group of 20 have joined the harmonica club, which will hold regular meetings. Miss Helen Brown directs the chorus and glee club work in addition to giving vocal lessons. Miss Rose Polski is instructor in piano, Miss Grace Warne in violin, while Howard C. Rutt, a former member of the Illinois University band, is directing the orchestra.

1927 RESULTS IN CROP TRIALS

(Continued from Page 1)

between Howes Alberta Flint, an extremely early variety, and Minnesota No. 13. This cross produced 91 per cent ripe ear, while its late parent, Minnesota No. 13, did not ripen an ear. The other cross was a double cross of Minnesota No. 13 that ripened 61 per cent of its ears.

In trials to determine the value of northern grown seed, Northwestern Dent and Minnesota 13 were obtained from various sources. The source

of seed and the per cent of ripe ears are reported below:

Variety.	Source	%
Northwestern Dent, Canada	75
Northwestern Dent, Crookston	69
Northwestern Dent, Amenia, N. D.	68
Northwestern Dent, Meeker Co.	47
Minnesota 13, Crookston	31
Minnesota 13, Detroit	0
Minnesota 13, St. Cloud	0
Minnesota 13, St. Paul	0
Minnesota 13, Chatfield	0

FEEDING THE HEN IN WINTER

There are four classes of feed required for the successful winter feeding of hens, according to A. M. Pilkey, poultryman at the Northwest Experiment Station, Crookston. They are grains, green food, animal foods, and mineral foods.

Wheat is one of our best grains for poultry feeding, and may be used as a single grain or in a mixture of grain foods. Oats are an excellent feed for poultry, as a part of a mixed feed, but give better results if crushed and fed as a dry mash, mixing in one per cent of charcoal.

Barley can also be fed to good advantage as a part of a mixed scratch food. Boiling will improve it considerably, adding bran and shorts to take up the moisture, and feed as a moist mash at noon. Corn makes a good winter feed where feed has to be bought. It is best to crack corn and feed it with a mixture of grains. The mixture we are using at the Northwest School this winter is equal parts of corn (cracked), small wheat and oats. This mixed scratch feed is fed in a deep litter of straw, thus forcing the hens to work for it, thereby giving them sufficient exercise to keep them in a healthful condition.

Cabbage makes one of the best and cheapest form of animal food for poultry, turnips, carrots or beets may also be used. Sprouted oats are very good, but rather expensive to produce.

Buttermilk or skim milk is the cheapest form of animal food for poultry. Cut green bone, beef scrap or other meats may be used. Care must be exercised in the feeding of meats, as their excessive use will lead to liver trouble.

The laying hen requires considerable lime. This is supplied by having oyster shell before the birds at all times. Grit is also necessary for the proper mastication of the foods.

A word in conclusion. It is a good practice to give the flock a dose of epsom salts from time to time, at the rate of one pound per hundred hens. Charcoal is also a good tonic in that it absorbs the gases in the digestive tract.

It is the little things that count in the successful winter feeding of hens. It is an art which can only be learned by experience, but it pays.

FOOTBALL TEAM**WINS OVER MORRIS**

To the 1927 football team, with Coach D. H. LaVoi, goes the honor of being the first Northwest School team to defeat Morris on its home field. The result of the contest at Morris on October 22 was 20-0. In the four contests that have been held thus far, the Crookston Aggies have not had their goal crossed. The first contest was won 34-0, the second was lost 3-0, last year's contest was won 13-0, and then this year 20-0.

The reports of the game this year indicate that it was one of the most hotly contested games played to date and while the Crookston Aggies were victorious, there were times when Morris just missed getting away for substantial gains. Neither team found passing successful, but in the drives through the line and around the ends, Crookston made 17 first downs to Morris' 2.

The first touchdown for Crookston came after a fumble had given the ball to Morris after the kick-off. Crookston held and forced Morris to kick. The ball was placed on the 20-yard line and by a series of end runs and line plays the Crookston team marched down the length of the field for the first score. This was repeated by a second touch-down early in the second quarter, which made the count 14-0.

It was in the second quarter that Morris was on the Crookston 12-yard line after a punt had stopped a yard from the Crookston goal, while the Crookston players had expected it to roll over the goal line. Crookston held again and tackled for considerable loss, the half ending with the ball in Morris' possession on their 35-yard line.

The next score came towards the close of the third quarter, when runs of 36 and 20 yards placed the ball within striking distance, and a plunge by Widseth made the score 20-0.

The fourth quarter was played in Morris' territory. Twice the Crookston team was within the five yard line. Once to lose the ball on downs with only a few inches to go, and again to lose it on a fumble on the one yard line. It was at this time that it looked as if Morris would get away for a run, but Rolf Anderson, catching one foot of a Morris player, prevented a possible score. The game closed with the ball in Morris' possession on their 37-yard line.

The Northwest School players who were in the line-up were Hole, Engman, Berggren, Wardeberg, Johnson, Ostlie, Mylerberg, Confer, Roisum, Stenborg, and Widseth. Others who were in the game later were Suchomel, Lindquist, Gandrud, Heathman, and Anderson.

FOR SALE

Trap-nested White Leghorn pullets and cockerels. Northwest Experiment Station, Crookston.

HORTICULTURAL NOTES

Final computations on crops yields cannot be made until all the crops are harvested; however, observations on crop varieties and yields may be timely.

The two new outstanding varieties of garden crops in trial this season, says T. M. McCall, Horticulturist, are the Red River tomato and the Sunshine sweet corn. Both of these varieties are the products of the North Dakota Experiment Station and are real contributions to our garden variety list. The Red River tomato proved to be earlier than Earliana, very productive, and equal to if not superior to the Earliana in quality. The Sunshine sweet corn, a cross between the Pickaninny and Bantam, has all the advantages of the Bantam, and matured this season about ten days ahead of the Bantam variety.

Three things stand out in the potato experimental work of this year as valuable and profitable practices in potato production, namely: Seed treatment, fertilization, and spraying with bordeaux mixture. Results compiled from the experimental plots at the Northwest Station and cooperative plots on the Healy farm at Ada and the Ole Flaas farm in Bygland show that yields may be increased from 10 to 20 per cent by treating seed with standard treatments before the potatoes are planted. Bordeaux mixture continued the growth of potato vines from one to two weeks longer than where the vines were unsprayed. The continued growth increased the yields from 10 to 20 per cent. Increased yields and improved quality were noted on fertilized fields of Ohios and Cobblers on the farms of Wurden Brothers and Ole Flaas.

The members of the staff of the Northwest Station are particularly proud of the production records of two of the alumni of the school this year, for Anchor Wurden, '13, and Ole Flaas, '16, have produced yields of over 400 bushels of potatoes per acre on seed plots and have produced yields from 350 to 375 per acre on large fields. These alumni have put into practice all of the better methods of potato production and find that the extra care and attention to details pays handsomely.

PERSONALS

Space does not permit listing all those who have written that they are returning for home coming on October 29. While the program will be good there is nothing that compares with the renewal of friendships with former classmates.

Harry Melick, '21, is completing his fourth year work in the high school in Los Angeles. His address is 3531 Dayton Ave.

Alma Nelson, who attended 1919-21 is now Mrs. Edwin Mykleby and lives at Winger. She was married July 29, 1926.

FOOTBALL TEAM**MAKES GOOD START**

The Northwest School football team, under the direction of Coach D. H. LaVoi, made a good start this season. With school opening October 3, most of the team had their first practice October 4. The first game was played on October 8, with Red Lake Falls High School. The Aggies won, 18-0, but were unable to make further points due to the experience and fighting spirit of Red Lake. It was one of the best opening games for several years. On October 14, Model High, of the University of North Dakota, Grand Forks, played at the Northwest School, the latter winning by a score of 18 to 0. The Aggies made two touchdowns during the first quarter, but found it more difficult to gain ground during the rest of the game.

An unusually hard schedule faces the team this year. On October 22 the team plays at Morris. On October 29, Bemidji Teachers College, made up largely of former High School players, will play before the Home-Coming crowd. On Parents' Day, November 5, East Grand Forks High School will be the opponents. On November 11, the team goes to Thief River Falls. The last two high schools have been undefeated thus far and will give the Aggies a real test in football. The men who have played in the first two games are Captain Olaf Stenborg, Clearbrook; Ivan Suchomel, Ogema; Chester Engman, Hallock; Glenn Lindquist, Wylie; Andrew Wardeberg, McIntosh; Arthur Widseth and Carl Widseth, Gonvick; George Berggren, Greenbush; Randolph Ostlie, Montevideo; Martin Odlund, Verndale; Rolf Anderson, Fisher; Melvin Hole, Dalton; Henry Heathman, Shevlin; Lloyd Mylerberg, McIntosh; George Roisum, Bagley; Elmer Johnson, Erskine; and Harry Confer, Angus. Others who are out for practice and are showing promise, are: Theodore Anden, Fergus Falls; Chester Torgerson, Fergus Falls; Stanton Gandrud, Detroit Lakes; Lowell Ryden, Hallock; Clifford Lindquist, Wylie; Wilfred Knutson, Bagley; Harold Cordes, Henning; Lawrence Elton, Hawley; Harvey Johnson, Rollag; Elon Bryngelson, Calloway; Erwin Nelson, Grygla; Irvin Flynn, Leonard; and Paul Dobias, Angus.

Mr. and Mrs. Clifford Lerud have recently moved to 1414 23rd street, Everett, Washington.

Doris Olson and Earl Luchau, members of last year's advanced class, have enrolled in the Valley City, North Dakota, Teachers' College.

I am looking forward to homecoming, writes Myrtle Erickson, '21, who is teaching near Goodridge this year.

Announcements were received of the marriage of Alma Lindgren, '21, to Erick O. Berg, at Clearbrook, on October 20.