

Northwest School News

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Crookston, Minnesota, August-September, 1956

NUMBER 5

FALL TERM OPENS OCTOBER 1: School Has Large Enrollment; New Staff Members Announced

The instructional staff at the Northwest School is complete for the coming year with the replacement of four staff members who resigned to accept other teaching positions. The new staff members come well qualified and able to carry on in their respective fields. Following is a thumbnail sketch of the new staff members:

LeRoy M. Field—Born and raised on a farm near Larimore, North Dakota. He is 23 years of age, single, and took his college training at Concordia College, Moorhead. He graduated in 1956 with a major field in English and Psychology. Mr. Field will teach English, work with the school annual, and render some assistance in dormitory counseling.



L. M. Field

Mrs. LoAnn Kana was born in Hope, North Dakota. She is 23 years of age and is earning the family "larder" while her husband is attending medical school at the University of North Dakota, Grand Forks. She taught at Oslo last year. She graduated from the University of North Dakota in the spring of 1955 with a Bachelor of Science degree in music. She will be teaching the choral work, including large choral groups as well as the small group instructional work.



Mrs. Kana

Miss Ellen I. Ramstad of Moorhead, Minnesota, will be the head counselor in the girls' dormitory and will teach certain courses in English and Literature. She graduated from the University of North Dakota. She comes to us with a generous interest and experience in the counseling and guidance of young people.



Miss Ramstad

Clinton B. Bergman of Princeton, Minnesota, graduated from the University of Minnesota in the spring of 1956. Mr. Bergman has been building pole-type buildings over about a five-state area for the last few summers. Mr. Bergman will teach English, will coach one of the class plays, and will have home counseling responsibility in the dormitory.



C. B. Bergman

REGISTRATION—October 1:

The 1956-57 school term at the Northwest School of Agriculture will open on October 1 at 8:30 a.m. with registration activities. Classes will begin at 8:15 a.m., October 2. 410 students are enrolled, to date.

The past year at the Northwest School and Experiment Station has been noted by a great amount of activity in repair and maintenance work.

The students will come back to school this fall and find new lighting fixtures in Stephens Hall and in Robertson Hall. Last winter, a considerable amount of concrete grout was pumped under Stephens Hall to stabilize the soil in such a way that the building will tend to stay in position rather than move all over with the shifting soil. The stabilization process cracked a lot of plaster and this has been completely replastered this summer and all of the replastered rooms have been repainted.

The feed preparation building has been partly completed. This building stores feed grains and has machinery in it for moving the grain around as well as grinding and mixing the grain. With nearly a thousand head of livestock on the Northwest Experiment Station farm, a feed handling plant is a necessary labor saver.

A new section was added to the water main from the tank to the rest of the campus. This makes provision for two water mains from the water tank and will prevent long interruptions of water service to the various campus buildings in case of trouble on one line.

A great deal of painting has been accomplished. In fact, we have had

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Nine NWS Students Attend Leadership Camp

The second annual School of Agriculture Leadership Camp was held at the University of Minnesota Biological Station at Itasca Park on September 8, 9, and 10.

This is a new activity for the University's Schools of Agriculture in which twelve students from each of the Schools of Agriculture are brought together each year for three days of intensive instruction and study relative to leadership development in the Schools of Agriculture. Ideas and experiences at this camp are carried back to the local schools so that all students might experience growth in leadership and followership capabilities. The staff members at the University Schools of Agriculture served as the instructors headed by Dr. T. H. Fenske, associate dean of the Institute of Agriculture, University of Minnesota, St. Paul.

Students attending the camp this year from the Northwest School of Agriculture were: Allan Dragseth, Eldred; Terrance Dahl, Stephen; Ordean Mickelson, Menahga; Earl Sondrol, Reynolds, N.Dak.; Toni Hedstrand, East Grand Forks; Yvonne Filipi, Angus; Beulah Stolaas, Oklee; Judy Piker, Angus; and Jean McWilliam, Winger.

This annual camp promises to be one of the very significant training activities in the Schools of Agriculture and is designed to speed up the process of building effective rural leadership.

Homecoming To Be Held Friday, October 12

E. N. REIERSGORD

Homecoming and Alumni reunions will be held on Friday, October 12, at the Northwest School.

As in former years, the highlight of the day's festivities will be the Agricultural School Conference football game between the Northwest Aggies and the North Central Aggies of Grand Rapids.

The Homecoming Week celebration will begin on Tuesday, October 9, with a bonfire and pepfest south of the athletic field. Pre-game enthusiasm will be aroused at a "pep assembly" Friday morning at ten o'clock. Featuring the program will be the introduction of the football teams of both schools and short talks by the two coaches. The Homecoming festivities will be brought to a climax with the crowning of the Homecoming Queen between halves of the football game; queen candidates are chosen

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Northwest School News

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THE UNIVERSITY OF MINNESOTA
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The Shorthorn Herd

HOMER D. FAUSCH

With the addition of a new senior herd sire, Baldowrie Watchman, a beef Shorthorn bull imported from Scotland, the beef breeding project at the Northwest School and Experiment Station is entering a new phase. Watchman was mated to the entire herd of thirty-three cows during the months of July and August, 1956, to produce spring calves in the coming year.

The beef Shorthorn herd at the Northwest Experiment Station has been bred and selected on record of performance since 1951. All calves born in the herd are put through a feeding trial after weaning to determine their ability to gain rapidly and economically. Cows are selected as breeders or culled from the herd on the basis of the performance of their calves as well as their own milking ability and regularity of producing offspring. Bulls, whether purchased or produced in the herd, are selected for superior gaining ability, economy of gains, and excellent conformation.

Up to the present time, 55 calves have completed a record of performance test which includes a 7-month feeding period. Growth rates and feed efficiency have been obtained on these calves. Of these calves, 22 males averaged 73 pounds at birth, 491 pounds at weaning (7 months), and 866 pounds at 13 months of age. Thirty-three females averaged 67 pounds at birth, 480 pounds at weaning, and 750 pounds at 13 months of age.

Two rations were tested in the feeding trials. One ration was a mixed ration containing 2½ parts of grain mixed with 1 part of chopped alfalfa hay. The other ration was fed free choice; in other words, hay was fed on one side of the feeder and grain on the other. The animal was allowed to select the proportions of each which he desired. It was found that the free choice ration was more expensive since the calves tended to select heavily on grain and very lightly on hay. The cost of producing 100 pounds of gain with the free choice ration was \$15.87 whereas with the mixed ration 100 pounds of gain was produced for \$14.30. The calves on the mixed ration required 497 pounds of grain and 435 pounds of alfalfa hay to produce 100 pounds of gain while the free choice calves required 636 pounds of grain and 185 pounds of alfalfa hay. Although the total pounds of ration is greater on the mixed ration, it is ap-

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Spring and Summer of 1956 Below Normal In Temperature

O. C. SOINE

With the approach of fall, individuals have expressed the opinion that our spring and summer were colder than usual. This is quite true and is verified by the weather records that are maintained at the Northwest School and Experiment Station.

The mean temperature for the first eight months of 1956 is slightly below normal, but a month-by-month comparison shows that five months were colder than the long-time average. March showed the greatest variance and was 8.6 degrees colder than average. The weather records show that February, March, April, and May were all below average in temperature. The first warm weather of the season came in June and the highest temperature for the entire summer was registered on June 10 when the temperature rose to a high of 95 degrees. The month of June was 5.7 degrees above average in temperature.

GROWING SEASON MAY BE SHORTER IN 1956:

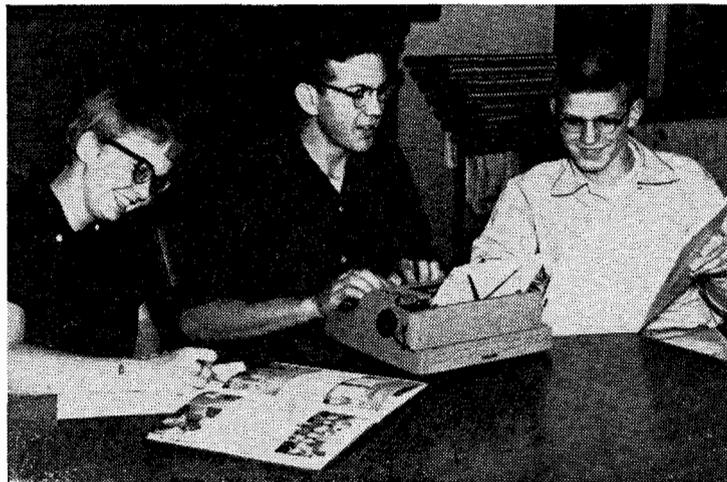
The late spring delayed farm work and seeding operations in this general area, but the adequate moisture supply and the warm weather in June speeded up crop growth so that by harvest time most of the small grains matured on time. The potato and beet crops seem to be progressing satisfactorily at this time. The corn and soybean crops may not have sufficient time to mature normally, especially the late-seeded fields.

The average last spring frost in this area occurs about May 19 and the first fall frost about September 24. This means we have an average frost-free period of 128 days. Of course, this varies greatly and our records show that frost can occur as late as June 19 and as early in the fall as August 26.

This past spring, the last spring frost occurred on May 15, but temperatures like 33 were recorded as late as May 23. The first fall frost occurred on September 6. This gives us a frost-free period of 113 days for 1956. However, the cool spring and summer have not provided enough heat units for corn and soybeans to reach the safe point in maturity and it now appears that these crops will not mature satisfactorily.

The following table gives the precipitation and mean temperatures for each of the first eight months of 1956 with the long-time averages:

Month	Precipitation		Mean Temperature	
	1956	50-Yr. Average	1956	40-Yr. Average
January	1.15 inch	0.54 inch	5.6 degree	5.3 degree
February	0.27 "	0.67 "	3.1 "	7.9 "
March	0.94 "	0.83 "	17.1 "	25.7 "
April	0.81 "	1.62 "	34.8 "	41.1 "
May	3.10 "	2.73 "	53.7 "	54.5 "
June	4.09 "	3.30 "	69.5 "	63.8 "
July	2.70 "	2.85 "	66.5 "	69.9 "
August	5.08 "	2.87 "	69.4 "	67.3 "
	18.14 "	15.41 "	40.0 "	41.9 "



The Northwest School yearbook, "The Aggie," is published each year by the Senior class with a number of Junior class members assisting. Elected to the Aggie Board for the 1956-57 school year were students pictured above: (reading from left to right)—Jean McWilliam, Winger, associate editor; Allan Dragseth, Eldred, co-editor; and Walter Fehr, East Grand Forks, co-editor.

Dr. Martin, Soil Specialist, Speaks On Crops Day

More than 400 farmers and others interested in the Red River Valley agriculture gathered at the Northwest School and Experiment Station for the annual Crops and Soils Day on July 24.

One of the highlights of the day's activities was the main address by Dr. William P. Martin, head of the University's Soils Department, who outlined some of the research studies and some of the soils problems that touch the soil improvement in the Red River Valley. Dr. Martin pointed out that any good soil — such as present in the Red River Valley — needs some improvement after years of cropping. A lot of fertilizer is already being applied, but we will probably find that more is actually needed. He pointed out that part of the research at the Crookston Station is in testing new high-analysis fertilizers. He indicated further that the diammonium phosphate, recently developed by the Tennessee Valley Authority, has great possibilities for the Red River Valley. Diammonium phosphate fertilizer has the analysis of 21-53-0; that is 21 per cent nitrogen and 53 per cent phosphate with no potash. Further, the main speaker indicated that many fields in the Valley are not being hurt much for potash, but need plenty of phosphate, so this new fertilizer looks like it might fit in very well. The Northwest Experiment Station is pushing this particular study just as fast as possible so that we might have information at an early date.

Further, Dr. Martin indicated that the Soils Department is much interested in some studies of soil compaction—how tightly soil becomes packed under different tilling methods. One of the practices in the Red River Valley that is going to get a very close look is the practice of fallowing, which is usually done for weed control or to help conserve soil moisture or both. It is possible that other management of soils could do the same thing as fallow with probably less expense to the farmer.

The remarks on the soils research in the Valley area wound up with some discussion of the studies on crop moisture needs and organic matter problems as such relates to the different crop sequences.

HOMECOMING, OCTOBER 12

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from the Junior and Senior classes.

The Homecoming dinner will be served in the Aggie Inn at 6:00 p.m. with the members of the football team and faculty from North Central School as honored guests.

For the evening's entertainment, starting at 8:00 p.m., the annual Homecoming dance will be held with music furnished by the Al Maynard orchestra.

Dr. H. D. Fausch Resigns; Accepts California Position

Dr. Homer D. Fausch, animal husbandman at the Northwest School and Experiment Station, resigned from his position with the University to accept a fine promotion in swine breeding work at the California Polytech College located at Pomona, California. His resignation is effective September 30.

Dr. Fausch came to the Northwest School and Experiment Station in July of 1947 to assist O. M. Kiser with the animal husbandry work. He



took over the activities of the animal husbandry research program on Mr. Kiser's retirement and has done particularly outstanding work in swine breeding and in sheep breeding. In addition, his work with beef feeding has been watched from various parts of the nation. Certainly, the livestock industry in the Red River Valley has been benefited from his leadership. The Valley area, as well as the Northwest School and Experiment Station, will miss his abundant energy and his great capacity for the work involved in animal husbandry research.

At this writing, no successor has been selected to fill the vacated position.

FALL TERM OPENS OCT. 1

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as high as six painters on the campus for some time. The Health Service has been completely painted on the inside and outside, as well as miscellaneous sections of the campus. Selvig Hall has a new roof. There are eight new manholes on the sanitary sewer which will improve the service here and make for much easier maintenance.

Bids on the new Animal Products building will be opened on September 11. Actually, bids were opened in May on this same new building; however, all bids were rejected as the costs were much too high.

The Legislative interim subcommittee visited the Northwest School and Experiment Station campus this summer and made some very definite recommendations on building rehabilitation and on replacement of the old Hill building. This is good news to those of you who are well acquainted with the building needs at the Northwest School.

PLAN TO ATTEND

Soybean Day—October 13

Turkey Day—October 19

Northwest School Has First Horticultural Field Day

B. C. BERESFORD

A Horticultural Tour and Field Day was held on September 6 at the Northwest School and Experiment Station. More than 100 visitors attended the forenoon program, and, in the afternoon, more than 200 visitors toured horticultural projects underway at the Northwest School and Experiment Station. B. C. Beresford, horticulturist at the Northwest Station, led the tour of the field plots.

Speakers for the forenoon program were Superintendent B. E. Youngquist of the Northwest School and Experiment Station; L. C. Snyder, head of the Department of Horticulture, University of Minnesota, St. Paul; Mrs. P. C. Berberich of Ada, president of the Ninth District Horticultural Society, and B. C. Beresford.

Shown on the tour were the regional shrub and tree testing program, thirty lawn and grass plots, the vegetable variety plantings, orchard and small fruit plantings, and a visit to the greenhouse and garden flower plots. Staff members from the Department of Horticulture, University of Minnesota, St. Paul, who assisted with the tour were T. M. Currence, O. C. Turnquist, R. A. Phillips, and R. A. Stadtherr.

An exhibit of fruit and vegetable samples were displayed on tables out-of-doors. Garden clubs in the Ninth District Horticultural Society donated suitable items for an auction which was held by officers of the Society. A sum of fifty dollars was raised by the auction and is to be donated to the Landscape Arboretum Project of the Minnesota State Horticultural Society.

Cross-Country Prospects Bright

H. H. LYSAKER

The boys at the Northwest School are fortunate that they can participate in cross-country, the great outdoor sport. Cross-country running develops boys on a sound basis for health which involves strength, vitality, and endurance, and will enable them to go through competition on natural vitality and have the power to recuperate quickly from their efforts. The course covers a distance of 1.8 miles.

We try to advocate cross-country for all boys in the fall who do not go out for football. Size is no hinderance to the young fellows in this sport. This activity gives a number of smaller boys in our school an opportunity to compete and to earn their letter awards.

An attractive schedule has been set up with Grand Rapids, Morris, Thief River Falls, and Crookston Central.

Returning lettermen are: Walter Fehr, Tom Gray, Dale Johnson, Roger Tollefson, James Wiertzema, and Robert Hance.

Interesting Program Arranged For Turkey Growers Oct. 19

A. M. PILKEY

The seventh annual Turkey Day will be observed on Friday, October 19, at the Northwest School and Experiment Station with the program beginning at 1:30 p.m. in the school auditorium.

The results of the 1956 turkey feeding trials will be given by A. M. Pilkey poultry husbandman. The results of the disease control projects will also be reported.

Other speakers on the program include Lloyd H. Peterson, President of the Minnesota Turkey Growers' Association; Dr. Elton Johnson, Dr. P. E. Waibel, and Dr. B. E. Pomeroy, all of the University of Minnesota, St. Paul; and Superintendent B. E. Youngquist.

There will be a conducted tour of the feeding and disease control projects after the speaking program.

Large Turnout Expected Again For Football

H. H. LYSAKER

From advance reports, a large turnout is expected for the opening football practice sessions. By the time school starts, the squad should number between seventy and eighty huskies. Football Camp will be held at the Northwest School, for all boys interested, the week before school begins—September 24 to 29. The boys on this year's Aggie team have a difficult schedule arranged for them. They have already started conditioning at home because they are out to match the high standards of play set by last year's championship squad.

Fifteen lettermen, five being regulars, are expected back which will give the team a good nucleus around which to build. Backfield returning lettermen are: Co-Captain Harold Moe, Beltrami—right halfback; Edward Pester, Crookston—quarterback; Gary Paseka, Georgetown—fullback; Donald Mulcahy, Crookston—left halfback; Gene Guttormson, Georgetown—fullback; and Terrance Dahl, Stephen—quarterback. Returning linemen who lettered last season are: Co-Captain Duane Mulcahy, Crookston—guard; Donald Hendrickson, Warren—tackle; David Kirk, East Grand Forks—guard; Duane Kuzel, Angus—center; Michael Lundon, Crookston—end; Michael McKenzie, Anchorage, Alaska—tackle; Keith Miller, Crookston—end; Eugene Pietruszewski, Stephen—tackle; and Earl Sondrol, Reynolds, N. Dak.—guard.

1956 Football Schedule

October 5—Warren (Here); October 10—Walker (Here, Night Game); October 12—Grand Rapids (Here, Homecoming); October 17—Fosston (There); October 19—Fertile (There); October 24—Bagley (There); November 2—Morris (Here).

Northwest School Briefs

***News regarding Northwest School alumni and former students:

***Phyllis Lerud, '47, will be a member of the Home Economics Department teaching staff at the North Dakota State College, Fargo, this year. For the past few years, she has taught Home Economics at the West Central School of Agriculture, Morris.

***Morris Engelstad, '35, visited the campus on September 11. He was recently appointed branch manager of the American Life Insurance Company with headquarters at Grand Forks, North Dakota. Formerly, he lived at Aberdeen, South Dakota.

***Harvey P. H. Johnson, '30, was one of the main speakers at the annual meeting of the Western Beet Growers' Association held in Grand Forks, N. Dak., on September 18. Mr. Johnson, general agriculturist of the American Crystal Sugar Company, Denver, Colorado, spoke on beet sugar marketing procedures and spring mechanization developments.

***Mary Lou Arveson, '55, is employed by the Northwestern Bell Telephone Company, Thief River Falls. Her address: 423 North Main Ave., Thief River Falls.

***Cadet Arthur N. Grove, '53, McIntosh, is receiving six weeks of training this summer at Fort Riley, Kansas, under the Army's ROTC program.

***John L. Paur, '49, is a student at the St. Cloud Hospital School of X-ray Technology.

***Ebenhard Gandrud, '26, of Owatonna, visited the Northwest School campus on August 8.

***Dr. Raymond B. Price, '50, is practicing dentistry in Little Falls, Minnesota. He graduated from the School of Dentistry, University of Minnesota, in June 1956. His address: 74 E. Broadway, Little Falls.

***Daniel Whalen, '46, visited the campus on August 28. His address: 1105 Second Street, Havre, Montana.

***Winning first place in the county 4-H livestock judging contest at the Grand Forks, North Dakota, county fair were George, Leonard, and Lloyd Hoselton of the Bachelor 4-H Club, Thompson, N. Dak. They scored 698 points out of a possible 780. George was also high point man in the contest. Lyle Bjornson, Arvilla, was a member of the second highest scoring team. Top showmen in 4-H livestock, at the fair, were: David Boman, Arvilla—dairy; Keith Bjerke, Northwood—swine; and Charles Bateman, Grand Forks—beef.

Marriages

***Miss Dorothy Baatz to Marvin Michaelson, Euclid, at Crookston, on July 24.

***Miss Marilyn Weimer of Bangor, New York, to Airman 1/C Ervin A. Dahle of Goodridge, on July 21, in New York.

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Additional Organ Fund Contributions Received

The Northwest School Alumni Association reports that contributions are still coming in on the new organ. All this helps! The new installation is nearly paid for, reports Charles Holmquist, president of the Association.

Since the last issue of the "Northwest School News" was published and contributors listed, the following have contributed to the organ fund: Arthur J. Anderson, Lomita, California; David Berland, Fisher; Mrs. Donald Berglund, Seattle, Washington; Harvey Diamond, Humboldt; Ellen Ahlm Ferguson, Washington, D.C.; A. E. Hannah, East Grand Forks; Mr. and Mrs. Elmer Hedstrand, East Grand Forks; Lyle O. Kiel, Crookston; Mrs. Carl (Charlotte) E. Lindfors, Fosston; Clayton W. Marrs, Minneapolis; Mrs. Oline Olson (nee Lena Opdahl), Seattle, Washington; Shirley Sather, Grand Forks, N. Dak.; Andrew Skaar, Thief River Falls; and Mr. and Mrs. Silas B. Torvend, Silverton, Oregon.

THE SHORTHORN HERD

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parent that it is the more economical ration since hay is the cheaper portion of the ration.

Up to the present time, the herd has been developed and selected on breeding of the Calrossie Mercury bloodline. The objective of the breeding project is to develop a high performing inbred line of beef cattle which will be useful to beef cattle producers. Such a line of cattle will be valuable in crosses with other breeds to obtain the maximum hybrid vigor in the production of commercial market stock.

NORTHWEST SCHOOL BRIEFS

(continued from col. 2)

***Miss Rebecca Ann Werk to John A. Miller, of Minneapolis, former member of the Northwest School faculty, on August 19, at Charles City, Iowa.

***Miss Lorraine Kersting, of St. Cloud, to John L. Paur of Waubun, on June 16, at St. Cloud. Their address: 1540 Seventh Street, St. Cloud, Minnesota.

***Miss Evangeline Hallstrom, of Red Lake Falls, to Jesse T. Hull, of Denver, Colorado, on June 30, at St. Hilaire, Minnesota. Their address: 2115 Arapahoe, Boulder, Colorado.

***Miss Darlyne Cronin, of Thompson, N. Dak., to Darrel Fortin of Grand Forks, N. Dak., on July 21. Their address: 906 So. Ninth Street, Grand Forks.

***Miss Kathleen Brown of Manvel, N. Dak., to Keith Danks, of Fosston, on June 23. They will make their home in Gilby, North Dakota.

Births

***To Mr. and Mrs. Glen Brinkman (nee Clarice Kjolhaug) of Fosston, a daughter, Susan Diane, on May 17.