

Northwest School News

Four issues published annually by the Northwest School of Agriculture, University of Minnesota, Crookston. Entered as second class matter. December 2, 1916, at the Post Office at Crookston, Minnesota, under the Act of August 24, 1912.

VOLUME XLVII

Crookston, Minnesota, July-Aug.-Sept., 1963

NUMBER 3

TWO NEW INSTRUCTORS JOIN NORTHWEST SCHOOL STAFF

The Northwest School of Agriculture will open for its 56th school year on Monday, September 30.

There will be two new appointees on the staff at the Northwest School this coming school year.

Mrs. Gretchen Braaten, a graduate of Gustavus Adolphus College with a Bachelor of Arts degree, will teach English. She will also serve as girls' dormitory counselor in McCall Hall. Mrs. Braaten has taught in a number of high schools; however, for the past three years, she has taught in the high school at Borup, Minnesota.



Mrs. Braaten

Donald O. Bergquist of Adams, North Dakota, will teach English and history. He was a student at North Dakota State University, Fargo, for two years and later attended the University of North Dakota, Grand Forks, where he graduated with a Ph.B. degree. For the past two years, Mr. Bergquist has been an instructor in the Hallock high school. In addition to his teaching duties at the school, Mr. Bergquist will assist as a counselor in Robertson Hall.



Mr. Bergquist

Returning for the coming school year will be Ralph L. Titus, instructor. Mr. Titus has been on 'leave of absence' for one year to attend the University of North Dakota on a National Science Foundation grant.

Freeman K. Johnson, appointed to the staff in July, will teach courses in Agronomy.

Instructors who have resigned and will not be on the Northwest School staff this school year are Leon Flancher, Clinton Bergman, and Mrs. Joyce Reynolds.

Many Return for Alumni Reunion at NW School

CLASSES OF 1913, 1923, and 1938 OBSERVE ANNIVERSARIES

Nine members of the graduating class of 1913 attended the annual Alumni Reunion held at the Northwest School of Agriculture on July 6. They returned to the campus to celebrate the 50th anniversary of their class. Class members in attendance were: Fred C. Lieberg, Roosevelt; Fred Fredrickson, Bellflower, California; Mr. and Mrs. Nils P. Pederson, Bejou; Oscar M. Lee, Cambridge; William Thorkelson, Fertile; Herman Lee, Erskine; and Iver J. Westad, Fertile.

Other classes observing anniversaries were the class of 1923 — its 40th anniversary, and the class of 1938 — its 25th anniversary.

There were 250 alumni at the smorgasbord supper which was served in the school dining hall at 6 p.m. An additional number of alumni came later in the evening for the social hour.

Leo Ash of Orleans, newly-elected president of the Northwest School

Alumni Association, was master of ceremonies for the alumni program in the afternoon. Superintendent B. E. Youngquist gave a "welcome;" Miss Retta Bede of Duluth, a former faculty member, spoke briefly on her recent trip to Europe; and T. M. McCall, former superintendent, gave a greeting. The Community Sing was led by T. W. Thorson.

The business meeting of the Alumni Association opened with the introduction of the newly-elected officers who began their duties of office for a four-year term. Leo Ash, president, presided at the meeting. Glen Finkensbinder of Crookston is vice-president. Mrs. Charles Holmquist (nee Bonita Vesledahl) of Crookston, secretary, read the minutes of the 1962 alumni meeting, and Mrs. Roger Tollefson (nee Barbara Thureen) of Beltrami, trea-

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Class of 1913 Graduates Attend Reunion

Nine members of the Northwest School's graduating class of 1913 attended the special reunion for the 50th anniversary of their class. This was held at the Alumni Reunion of the Northwest School on July 6.

Fifty years ago, there were twenty graduates in the class of 1913; Mrs. Nils Pederson, of Bejou, was the only girl.

In the picture aside, reading from left to right, are: Front Row— Iver J. Westad, Fertile; Oscar M. Lee, Cambridge; Mrs. Nils P. Pederson (nee Teckla Erlandson), and Nils Pederson, of Bejou; Back Row — Martin Landby, Swift; Herman Lee, Erskine; William Thorkelson, Fertile; Fred Leiberg, Roosevelt; and Fred Fredrickson, Bellflower, California.



Northwest School News

Issued Quarterly by

THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE

B. E. Youngquist, Superintendent
Office

Northwest School and Exp't. Station
Crookston, Minnesota

TOURS CONDUCTED FOR CROPS DAY VISITORS — ALSO ATTEND PROGRAM

The 375 visitors at the Northwest School and Experiment Station for Crops Day, held on July 16, were taken on conducted tours to view the crops and soils research work carried on at the Station. Seen on the tours, beginning at 9:30 a.m., were the plots of small grain, forages, sunflowers, peas, potatoes, and sugarbeets. A speaking program was held at 1:30 p.m.

A feature of the day also was a Plant Problem Clinic with specialists in plant diseases and insects, weeds, and soil problems present to discuss questions brought in by Crops Day visitors. The Red River Valley Crops and Soils Association held a meeting, in the school library, at 3 p.m.

MANY RETURN FOR ALUMNI REUNION

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urer, gave the treasurer's report.

A number of awards were presented to alumni at the meeting by E. N. Reiersgard, Principal. The award to the class member from the oldest graduating class, the class of 1910, was presented to Mrs. Silas Torvend (nee Emma Peterson) of Silverton, Oregon. Mrs. Lyle Turner (nee Annabelle Jeffrey, class of 1942), Billings, Montana, was presented the award for having the largest family. Receiving the award for coming the greatest distance to attend the reunion was Fred Fredrickson, class of 1913, from Bellflower, California. The most recently-wed couple award was given to Clifford Nordine of Roosevelt, class of 1953, and Mrs. Nordine.

Prior to the program and business meeting, there was a bus tour of the Northwest Experiment Station — the West Farm, experimental plots, and orchard were visited. Tour leaders were O. C. Soine, T. M. McCall, and H. H. Lysaker.

Alumni whose terms of office in the Northwest School Alumni Association terminated this year were: Glen Torkelson, Crookston, president; John Stromstad, Lockhart, vice-president; and Larry Bergh, Hallock, treasurer.

PRECIPITATION AND AVAILABLE SOIL MOISTURE

By O. C. Soine, Agronomist

One of the critical factors involving crop yields in the Red River Valley is the amount of precipitation which is available for plant growth. Not all of the moisture that falls is used by plants. Approximately 10 per cent of the precipitation is lost by runoff and drainage, 40 per cent evaporates, and the remaining 50 per cent is used by crops. The only source of soil moisture in this area is from precipitation. During dry periods, crops generally lack sufficient moisture and during wet periods, they may drown out. There is a growing interest in conserving as much as possible of our limited moisture supply.

It is interesting to study the total precipitation as recorded at the Northwest Experiment Station, Crookston for the past sixty years. It has averaged 20.24 inches for this period. About 16.24 inches of our precipitation falls as rain and the remainder falls as snow. Much of the snow blows away and is lost as a source of soil moisture.

The following table gives a summary of the precipitation for this year compared with that of 1962 and the long-time average.

	1962	1963	60-Yr. Average
January	1.18 in.	0.04 in.	0.56 in.
February	1.33 "	0.24 "	0.61 "
March	0.70 "	0.25 "	0.82 "
April	0.48 "	1.93 "	1.52 "
May	5.75 "	1.57 "	2.64 "
June	2.92 "	1.59 "	3.34 "
July	4.07 "	5.96 "	2.91 "
August	2.45 "	1.91 "	2.95 "
Total	18.88 in.	13.49 in.	15.35 in.

Precipitation varies greatly from one location to another and from year to year. In periods of excessive precipitation, some of the moisture is lost by runoff. It is possible to conserve some of this runoff in the soil for future crop use. The Fargo and Bearden soils of this area can store up to 17 inches of available moisture in the upper five feet of soil.

A soil moisture survey was started in 1961 at the Northwest Experiment Station to study water storage and utilization of available moisture. The following table gives the available soil moisture in the upper five feet of soil in a sugar-beet field during 1963.

Sampling Date	Precipitation Inches	Available Moisture 0-60-inch Depth
11-1-62	...	8.84 in.
5-8-63	3.42	8.43 in.
6-3-63	1.57	7.24 in.
7-1-63	1.59	5.92 in.
8-1-63	5.96	6.73 in.

The figures in the Precipitation column give the amount of precipitation for each period. For example, from 11-1-62 to 5-8-63, the precipitation measured 3.42 inches and included the winter snowfall.

The available soil moisture supply is generally reduced during the growing season unless above normal rainfall occurs. This fact is shown in the above table even though the rainfall for July was 3 inches above normal. The recharge of the soil moisture reservoir takes place in the early spring, and again in the fall after the growing season is over.

The first date of sampling shown in the table was taken at "freeze-up time" last fall from a field that was black-fallowed last year. Fallowing can conserve approximately 4 - 5 inches of additional soil moisture during the growing season.

At the present time, the available soil moisture supply is rather low and there is less than 0.72 inches in the upper two feet of soil. For some crops like sugarbeets and potatoes, this shortage of moisture is becoming serious.

Homecoming Scheduled for October 18

Homecoming at the Northwest School has been set for Friday, October 18.

One of the highlights of Homecoming day will be the football game between the Northwest School Aggies and the Oklee high school. The game is scheduled for 2 p.m.

At 9:55 a.m., there will be a Homecoming assembly program in Kiehle auditorium. A Homecoming dance is scheduled for 8:30 p.m. in the school gymnasium with music by the Myron Tommerfeld orchestra.

All alumni, former students and faculty are invited to attend the Homecoming events.

NEW EXECUTIVE DIRECTOR APPOINTED FOR RRV WINTER SHOWS

Don Myrold of Crookston, who has recently been associated with the Business Department of the Northern Michigan University at Marquette, Michigan, has been appointed Executive Director of the Red River Valley Winter Shows, Crookston. He replaces V. F. Hodgson who resigned on August 1.

Mr. Myrold, thirty-three years of age, is a graduate of the University of North Dakota with a Master's Degree. He is married and has four children.

Garden Club Members And Others Attend Horticulture Day

Members of garden clubs in the 11th and 13th District Horticultural Societies, as well as other persons interested in horticulture, attended the Horticulture Day held at the Northwest School and Experiment Station on September 12.

Assisting in the program were a number of staff members from the Department of Horticulture, University of Minnesota, St. Paul. B. C. Beresford, Northwest Station horticulturist, was in charge of the program.

Chrysanthemums were featured, and named varieties and numbered selections were on display. Exhibits of newer varieties of fruits and vegetable varieties were on display also. A speaking program was held in the forenoon; in the afternoon, there was a tour of the garden and field plots. The day's activities closed with a

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Class of 1938: Graduates of the Class of 1938 who attended the Alumni Reunion on July 6 for their 25th Class Anniversary are: Front Row—(Reading from left to right)—Yvonne Magnusson, Roseau; Ivy McVeety Maruska, Angus; Elaine Johnston Pederson, Angus; Lucille Hedlund Kildal, Shevlin; Myra Hoiseth Shannon, Crookston; Dorothy Evans Christianson, Hancock; Bernadette Jeffrey Faubert, Tacoma, Washington; Clinton Klementson, Ulen; Marlan Augustine, Thief River Falls. Second Row—Arnold Larson, Oslo; Morris Dahl, Drayton, N.D.; Alton Arness, Fisher, Oliver Haugen, St. Hilaire; John Patenaude, Red Lake Falls; Truman Hemmestvedt, Thief River Falls; Marvin Nabben, Minneapolis; Marshall Evans, LeSueur; Harry Solberg, Goodridge; and Glen Iverson, Goodridge.



Class of 1923: Members of the Class of 1923 who attended the Alumni Reunion on July 6 for their 40th Class Anniversary are: Front Row—(Reading from left to right)—Earl R. Anderson, Mankato; Gladys Christopherson (Mrs. Al Grindahl), Minneapolis; Johanna Nabben (Mrs. George Green), Grafton, N.D.; Clarissa Friday (Mrs. Fred Zimmerman), Hawley; David Droits, Thief River Falls; Back Row—Jesse Anderson, Goodridge; Selmer Anderson, Bainville, Montana; Clarence Meyer, Red Lake Falls; William Hoper, Stephen; Julian O. Halvorson, Fergus Falls.

Around and About With NW School Alumni

***News Regarding Northwest School Alumni and Former Students:

***Duane C. Nelson, '49, formerly of Barnesville, Minnesota, graduated from the Luther Seminary, St. Paul, in June 1963. On July 14, he assumed pastoral duties at the First Lutheran Church of Middle River, Minnesota, and Gustav Adolph Lutheran Church of Strathcona, Minnesota. He is married and has three children.

***The Rev. LeRoy Johnson, '50, visited the campus on July 5. He has been appointed assistant director of the Development for North Park College in Chicago, Illinois, and began his new duties on July 8.

***Mrs. Klaire Edgar (Johnson) '23, is living in Oakville, Washington. After graduating from the Northwest School she attended a State Teachers' College in Wis. and taught school after graduation. She has continued her career as a teacher. She is married and has two children. Her address: Route 1, Box 96, Oakville, Washington.

***Gunder Moe, '39, has recently been appointed to the position of Agricultural Representative for the Polk County State Bank in Crookston.

***A/3C Richard C. Karr, '62, of Warren, enlisted in the United States Air Force in May, 1962. He is now stationed at Cannon A.F.B., New Mexico.

***Four graduates of the Northwest School of Agriculture are members of the nine-member board of the Argyle Community Scholarship Loan Association of Argyle, Minnesota. On the board are: Leonard Hapka, '43; Leonard Yutzenka, '42; Lewellyn Larson, '36; and Oliver Labine, '46.

***Keith D. Bjerke, '57, is a 1st Lieutenant in the U. S. Marine Corps. He entered service in June 1961, following his graduation from North Dakota State University, Fargo.

***Theodore F. Peet, '29, of Wolverton, is president of the Western Sugarbeet Growers' Association, Inc. Also he is a member of the Board of Directors for the Red River Valley Sugarbeet Growers' Association.

***Earl Lindberg, '36, a Major in the United States Air Force, visited the Northwest School campus on July 14. He had just completed a four-year assignment at the Laon Air Force Base in France. He has now been transferred to the headquarters of Central Procurement Area for southwestern states at Los Angeles, California. Major Lindberg is married and has four children; they are making their home in Los Angeles.

***Einar Scholin, '42, is employed as Division Manager for Agsco, Inc., with headquarters at Crookston, Minnesota. His address: 1507 Hoven Lane, Crookston.

***Joyce Ann Schulz, '63, of Fergus Falls, is employed as secretary to Milkways, Inc., in the North Star Dairy, Fergus Falls.

***Richard Sanderson, '62, will be enrolled as a sophomore this year at Mayville Teachers' College, Mayville, N.D.

***Duane Wentzel is employed in the newspaper advertising department of the Crookston Daily Times. He and his family make their home in rural Crookston, Minnesota.

***Raymond J. Dusek, '57, formerly of Grafton, N.D., has been appointed as an instructor in the Carman School at Crookston, Minnesota. He is a graduate of Mayville State College, and taught in Hawley, Minnesota, last year.

***Luke D. Maidment, '58, formerly of Thief River Falls, is now employed as an IBM operator at the State Farm Mutual Insurance Company in North St. Paul, Minnesota. In July, he was married to Miss Elaine J. Sorenson of Thief River Falls. They are at home at 3400 Johnson St., N.E., Minneapolis.

***Oscar R. Knutson, '19, Chief Justice of the Minnesota Supreme Court, received the University of Minnesota Outstanding Achievement Award at the University law school recognition exercises held in June 1963. The Outstanding Achievement Award, a gold medal and a citation was given for distinguishment in his chosen field.

Death

***Larry J. Arnold, '62, of Tabor, Minnesota, on May 19, 1963.

CLASSES OF 1926, '27, AND '28 HAVE REUNION

A reunion celebration of Northwest School women graduates from the classes of 1926, '27, and '28 was held on July 27 with twelve in attendance. This year's gathering was held at the home of Mrs. Adeline Bunes Lindquist of Crookston. A reunion of the women graduates has become an annual event, and the meeting next year will be held on the second Saturday of June at the home of Mrs. Clifford Lillequist at Hallock, Minnesota.

In attendance at this year's reunion were: Mrs. Edythe Martinson Lillequist, Hallock; Mrs. Hilda Dale Erickson and Mrs. Doris Olson Helm, Fertile; Mrs. Hannah Degerness Hermanson, Gary; Mrs. Olga Johnson Knock-

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340 Attend Cattle Feeders' Institute, September 12

Cattle feeders and other persons who attended the Cattle Feeders' Institute on September 12 in the Winter Shows Arena, Crookston, participated in a full program.

An added feature of the day was a live cattle clinic as well as five informational booths manned by experts on feeding, on management, on disease, on housing, and on the immediate outlook for the cattle feeding business. A beef barbecue supper was served at 6 p.m. There were 340 in attendance for the day's program.

The program and clinic was sponsored by the Agricultural Extension Service, Northwest School and Experiment Station, Department of Animal Husbandry — all of the University of Minnesota; the Central Livestock Association, Inc., Fargo; and the Red River Valley Winter Shows Board of Managers.

GARDEN CLUBS ATTEND HORTICULTURE DAY

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question and answer session held in the Animal Products Building auditorium. The new greenhouse at the Northwest Station was open to visitors.

CLASSES HAVE REUNION

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son, Plummer; Mrs. Sophie Brieland Burstad, Mrs. Alice Parnow Patten, and Mrs. Carrie Buck Drotts — from Thief River Falls; and Mrs. Laura Buck Miller, Mrs. Alicia Hoppe Jurchen, Mrs. Ann Erickson Olson, and Mrs. Adeline Bunes Lindquist — all from Crookston.

CLASS OF '41 HAS REUNION

Forty-three members of the class of 1941, with their families, met for a special reunion on June 9 on the Northwest School campus. The guest of honor was their classmate, the Reverend Alton Knutson — missionary to Japan, who was home on leave. The day's reunion was enjoyed with a tour of the school campus and much reminiscing, an informal program, and a potluck supper.

Present for the reunion were the two class advisers, Miss Elvira Bierbauer and Kirk A. Crawford.