

Northwest School News

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NUMBER 3

NORTHWEST SCHOOL FALL TERM OPENS SEPTEMBER 29

THREE NEW STAFF MEMBERS APPOINTED

The Northwest School of Agriculture will open for the fall term on Tuesday, September 29. Students will register in the school library of Kiehle building on September 29; classes will begin at 8 a.m. on Wednesday, September 30. A pre-school conference for the teaching staff is scheduled for September 28.

There will be three new appointees on the faculty of the Northwest School and Experiment Station this year.

Arthur M. Vraa of Climax, Minnesota, has been appointed as an instructor for the six-month school year beginning September 28. Mr. Vraa received his Bachelor of Arts Degree from Concordia College, Moorhead, in 1950; also, he attended the summer sessions at the University of North Dakota in 1955, 1956, and 1957.



He has previously served as instructor in three Minnesota high schools including Climax, Argyle, and Kennedy; also, Hollister High School of Hollister, California.

George D. Marx assumed his duties in the Animal and Dairy Husbandry department on July 1. Dr. Marx, a native of Antigo, Wisconsin, graduated from Wisconsin State University, River Falls, Wisconsin, in 1958. He took his graduate work in animal husbandry and dairy science at the South Dakota State University at Brookings and received his Master's Degree in 1960. In July 1960, he enrolled at the University of Minnesota for additional graduate work and was awarded his Ph.D. Degree in June 1964. While attending the University, he served part-time as a research assistant and teaching assistant in Animal Sciences. His predecessor was Dr. E. C. Frederick who resigned to accept the position of superintendent at the Southern School of Agriculture, Waseca. Dr. and Mrs. Marx are making their home in the city of Crookston.

Harvey F. Windels, a native of Sebeka, Minnesota, assumed his duties in the Animal and Dairy Husbandry Department on September 16. He has recently completed his graduate work

at the University of Minnesota, St. Paul, and will be granted his Ph.D. degree this fall. He received his Bachelor of Science Degree in 1955 and was awarded his Master's Degree in 1962—both from the University of Minnesota. He served as a part-time research and teaching assistant while attending the University for graduate work. The predecessor of Mr. Windels was Dr. Diedrich Reimer who is now associated with the University of Hawaii. Dr. and Mrs. Windels and two children will make their home in Crookston.

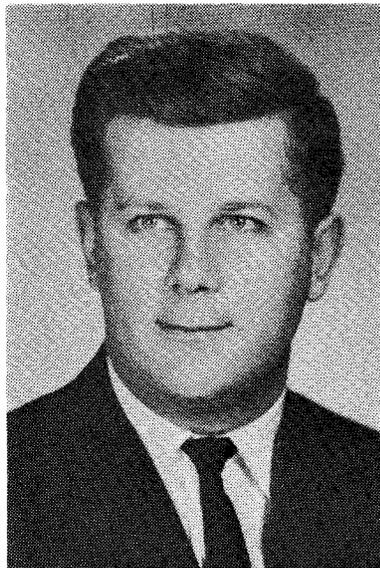
Other members of the faculty at the Northwest School are: Superintendent B. E. Youngquist, David J. Anderson, B. C. Beresford, Donald O. Bergquist, Mrs. Gretchen Braaten, Mrs. Myrtle Brown, Roger E. Diehl, Robert A. Heckman, Miss Fae Hughbanks, Freeman K. Johnson, Mrs. Ruth Kruta, (Continued on Page 2, Col. 1)

HOMECOMING SET FOR OCTOBER 30 AT NWS

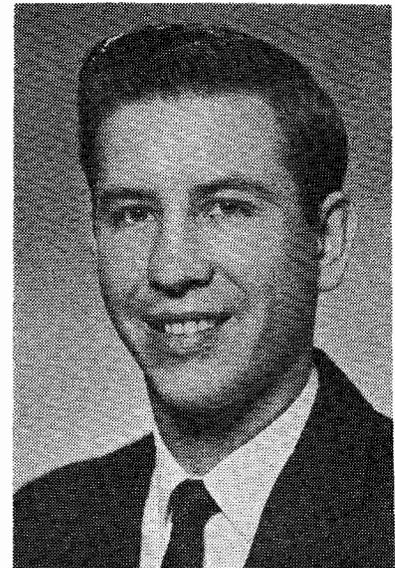
Homecoming will be held at the Northwest School of Agriculture on Friday, October 30. Highlight features of the day will be the football game with Glyndon High School, the crowning of the Homecoming queen, and the Homecoming dance.

The Homecoming assembly program will be held in Kiehle auditorium at 9:40 a.m. which will include the coronation of the Homecoming Queen and the awarding of the trophy for the best decorated dormitories. Scheduled for 2 p.m. is the football game with the Northwest Aggies playing Glyndon High School.

A "smorgasboard" supper will be served in the Northwest School dining hall at 6 p.m. The meal will be available to alumni, former students, and faculty who have their reservations in by Friday October 23. Reservations should be mailed to the Superintendent's Office, Northwest School. (Continued on Page 3, Col. 2)



George D. Marx



Harvey F. Windels

The two animal industry positions at the Northwest School and Experiment Station which have been open for the past several months have now been filled. George D. Marx, a native of Antigo, Wisconsin and educated in Wisconsin, South Dakota, and Minnesota, will assume the dairy science and industry work. Harvey F. Windels, a native of Sebeka, Minnesota and educated in Minnesota, will assume the animal science work with swine, sheep, and beef nutrition. Both men have completed their Ph.D. Degree education.

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THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE
B. E. Youngquist, Superintendent
Office
Northwest School and Exp't. Station
Crookston, Minnesota

NW SCHOOL SCHEDULES COMMUNICATIONS SEMINAR

A graduate school-level seminar in "Communication Problems and Processes" is being offered by the General Extension Division of the University of Minnesota commencing October 2 and continuing through the fall.

This will be a graduate-level course for credit and will be taught by Dr. Paul H. Cashman, professor, University of Minnesota, who is one of the leading communication experts in the nation. A Bachelor's Degree is needed to enroll for the seminar. The first meeting will be at 3:00 p.m., on October 2, in the Animal Science Building at the Northwest School of Agriculture, Crookston.

The purpose of this course is to provide the participants with an understanding of modern communication theories. Problems of language, perception, status, and communication methods (as well as other problems) will be discussed in terms of their implications for those interested in communication. An attempt will be made to relate communication methods and techniques to the work and the professional activities in which the participants are involved.

This seminar is pointed especially toward those who work in rural leadership: county agricultural agents, soil conservation people, professional Ag men who work in industry, and Vo-Ag instructors. Others are welcome. The cost of the course is \$10.00 per credit for the full course. Persons desiring to enroll should write to the Northwest School of Agriculture, Crookston, Minnesota, giving their name, address, and telephone number.

FALL TERM OPENS

(Continued from Pg. 1)

Conrad H. Kvamme, H. H. Lysaker, Joseph Mazzitelli, Wm. O. Menzhuber, E. C. Miller, Mrs. Harlene H. Overgaard, E. N. Reiersgard, H. W. Soderburg, O. C. Soine, and Ralph L. Titus.

PARENTS TO VISIT

NWS ON NOVEMBER 25

Parents' Day at the Northwest School of Agriculture has been scheduled for November 25, the Wednesday before Thanksgiving Day.

PRECIPITATION, FROST, AND AVAILABLE SOIL MOISTURE IN 1964

BY O. C. SOINE

The weather this year has varied a great deal from the cool, dry spring to the warm, dry summer and the early frosts in August and September. The rainfall has also varied with long periods of dry weather followed by heavy rains. At the Northwest School and Experiment Station, the total rainfall for the year up to September 1 was approximately one inch below normal. However, in some parts of the Red River Valley heavy rainfall has caused severe crop damage.

The following table gives the precipitation for 1964 compared to the 60-year average:

Month	1964	60-Yr. Average
January	0.13 in.	0.56 in.
February	0.26 in.	0.61 in.
March	0.72 in.	0.82 in.
April	2.67 in.	1.52 in.
May	1.57 in.	2.64 in.
June	5.25 in.	3.34 in.
July	2.19 in.	2.91 in.
August	1.76 in.	2.95 in.
Total	14.55 in.	15.35 in.

The early frost on August 13 set a new record here at Crookston. Prior to this date, the earliest recorded frost was on August 26 in 1915. The latest frost this past spring was recorded on June 1 when the temperature dropped to 27 degrees. However, on June 3 and 4 a reading of 31 degrees was recorded. The shortest frost-free period on record was also established this year. It extended from June 1 to August 13, only 74 days between frosts. The former record was 78 days from June 9 to August 26 in 1915.

We are also interested in precipi-

NW SCHOOL FOOTBALL GAMES ANNOUNCED

The Northwest School Aggies are looking forward to a good football season. A six-game schedule will be played. Fourteen lettermen are returning, six of whom were starters last year.

Two-year lettermen returning are: Co-Captain Eldred Evenson, Drayton, N.D.; Co-Captain Conrad Larson, Morris; Robert Bye, Euclid; Edward Kovar, East Grand Forks; Donald Lubinski, Euclid; and Stanley Overgaard, Dalton. First-year lettermen returning include: Vere Vollmers, Wheaton; Richard Dolan, Grafton, N.D.; David

tation and its relationship to available soil moisture. This is the moisture that plants use for growth during the season. During the past two years, the available reserve moisture has been rather low and has not increased very much. During the months of June, July, and August, plants use large amounts of water and very little moisture is available to recharge the soil reservoir during this period.

The following table shows how this available moisture decreases during the summer. The data gives the available moisture in inches to a soil depth of 60 inches for two cropping systems; namely, sugarbeets and corn:

Date	Sugarbeets Inches	Corn Inches
May 1	10.11	5.63
June 1	8.04	3.96
July 1	9.87	6.62
August 1	9.19	5.91
September 1	4.25	4.48

According to the above data, there were 10.11 inches of available soil moisture in the sugarbeet plot on May 1 in the top 60 inches of soil. This represents a very good supply of moisture. On September 1, the supply was down to 4.25 inches which is rather low. Breaking this data down further, there was only 0.51 inch of available moisture in the top two feet of soil. This low amount indicates that the top soil is extremely dry at the present time.

The sugarbeet plot was in fallow in 1963 which fact accounts for the higher amount of available moisture on May 1 as compared to the corn plot.

Lambert, Hallock; Richard Muir, Hillsboro, N.D.; Darrell Brogren, Ulen; Leon Grove, Roosevelt; Donald Kovar, East Grand Forks; and Henry Weiland, Euclid.

In addition to the lettermen, Coaches Herschel H. Lysaker and Joe Mazzitelli are expecting another 30 hopefuls out. First practice was called for Monday, September 21.

SCHEDULE: October 2—Goodridge, at NWS; October 9—Oak Grove, at NWS; October 16—Oklee, there; October 19—Crookston Cathedral, there; October 23—Open; October 30—Glyndon, at NWS (Homecoming); and November 4—Hendrum, at NWS.

Successful Alumni Reunion Held June 13

On June 13, the annual summer Alumni Reunion of the Northwest School of Agriculture was held with a good attendance of alumni, former students, and faculty. Celebrating its 50th anniversary was the class of 1914. The graduating class of 1949 had a special 15th Anniversary reunion and the class of 1954 had its 10th Anniversary reunion. Classes observing their special reunion were those ending in "4" and "9"; however, there were many alumni present from other graduating classes also.

A "smorgasbord" supper was served at 6 p.m. in the school dining hall. This was followed with the alumni program. Serving as Master of Ceremonies was E. N. Reiersgord; a "welcome" was given by Superintendent B. E. Youngquist; there was an introduction of the classes represented; and "remarks" by T. M. McCall of Crookston, former superintendent of the Northwest School.

Presiding at the business meeting of the alumni association was Leo Ash of Orleans, president. At the close of the business meeting, a number of awards were presented. The award to

(Continued in Col. 3)

FIELD DAY HELD FOR HAIL INSURANCE ADJUSTERS

On September 17, forty-two area-wide agents and officials from insurance companies writing hail insurance on agricultural crops met at the Northwest Experiment Station. A noon luncheon was served in the Dining Hall. This was followed by a tour of the simulated hail experiments with sugarbeets, potatoes, and flax which are being carried on at the Northwest School and Experiment Station.

The insurance officials represented companies who are members of the Hail Insurance Adjustment and Research Association of Chicago, Illinois. The association has provided a grant of \$2500 to study hail damage to sugarbeets, potatoes, and flax. This is the third year the Northwest Experiment Station has been in this particular research work.

HOMECOMING, OCTOBER 30

(Continued from Pg. 1)

Following the supper, the Homecoming dance will begin at 9 p.m. in the gymnasium with music furnished by Bill Pond's orchestra. All alumni, former students, and faculty are invited.

New Livestock Facilities Soon Complete at NW Station

The cattle and sheep industry of Northwestern Minnesota is getting more research power as the barns, yard, and certain laboratory spaces have been rebuilt or newly constructed at the Northwest School and Experiment Station.

A 60-cow, one-story comfort-style dairy barn is almost completed. The dairy herd will move in about October 1. The new milkhouse is located just off the northwestern corner of the new dairy barn. In the summer of 1965, the old dairy barn will be remodeled for maternity cows and calf pens. A pole barn and a concrete slab for outside handling of dry cows and bred heifers was completed last year.

A pole barn has been completed which will handle up to 500 breeding ewes as well as serve as a laboratory for feeding out the native lamb crop each summer. This will supplement very nicely the 80 acres of brush land which was purchased recently for use as rough pasture for the ewe flock in the pasture season.

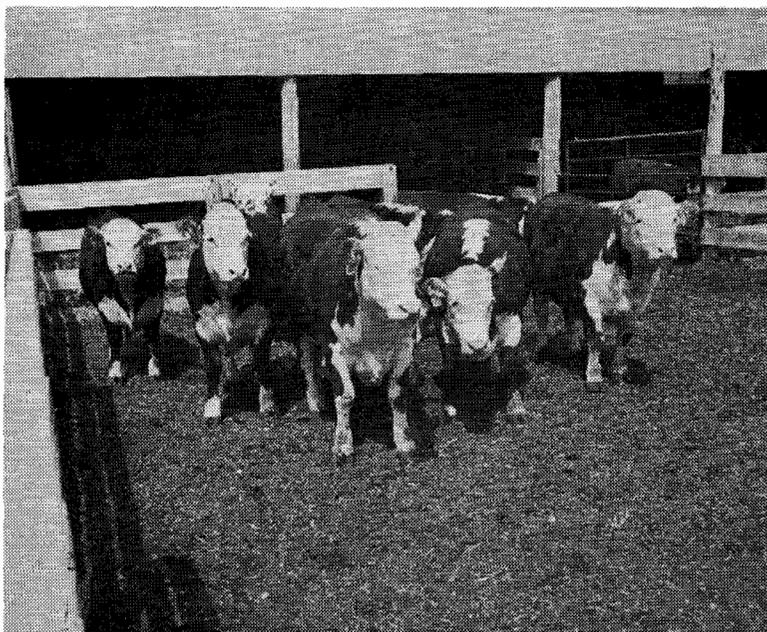
The beef-feeding barn has been more than doubled in size. Eight separate experimental lots with proper gates and alleys are built contiguous to the animal handling shed so the data on the beef nutrition trials can be readily and efficiently collected. This increase in size of the cattle feeding facility will speed up the beef feeding research at the Northwest Experiment Station. The new facility will handle from 120 - 166 fattening cattle.

ALUMNI REUNION HELD

(Continued from Col. 1)

the class member from the oldest graduating class, the class of 1914, was presented to Robert J. Rutherford of Euclid. Receiving the award for coming the greatest distance to attend the reunion was Robert Hoekstra (formerly of Twin Valley), Class of 1954, who had come from Portugal. Paul Eggebraaten of Fisher received the prize for being the most recently married. Introduced to the alumni was John Stromstad of Lockhart, class of 1934, and his three children who were all graduates of the Northwest School. A social hour followed the business meeting and program.

Officers of the Northwest School Alumni Association are: Leo Ash of Orleans, president; Glen Finkenbinder of Crookston, vice-president; Mrs. Charles Holmquist (nee Bonita Vesledahl) of Crookston, secretary; and Mrs. Roger Tollefson (nee Barbara Thurteen) of Beltrami, treasurer.



THIS LOT OF HEREFORD STEERS IS ABOUT READY FOR MARKET —

Forty steers were fed on an experiment involving feedstuffs from the Red River Valley area. These feedstuffs were sugarbeet-top and sugarbeet-pulp haylage, alfalfa haylage, ensiled barley, and dry barley. The sugarbeet tops were harvested directly with a field chopper and were mixed with about 60 per cent dry sugarbeet pulp as the mixture was placed in a A. O. Smith Harvestore silo. The steers on the sugarbeet top-and-pulp mixture made very satisfactory gains as reported by Northwest Experiment Station scientists at the Red River Valley Cattle Feeders' Institute which was held at the Winter Shows building on September 24.

Around and About With NW School Alumni

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

***Edwin Myers, '33, visited the Northwest School campus on August 7 while he and his family were on a vacation trip to Minnesota. He is employed as a claims adjuster for the National Postal Union, Fresno, California. His address: 4454 E. Nevada, Fresno, California.

***Mr. and Mrs. William H. Strickler (William, '30), of Euclid, observed their silver wedding anniversary on Sunday, September 20. Their children were hosts for open house held on that day.

***Richard A. Widseth, '49, a native of Gonvick, Minnesota, has recently been appointed City Engineer for the City of Crookston. Since 1961, he had been City Engineer at Mason City, Iowa. Widseth received his Bachelor's Degree in civil engineering from the University of North Dakota. In past years, he has also been employed by engineering and consulting firms in Thief River Falls, Des Moines, and Mason City.

***Leeila Tvinnereim, '61, formerly of Manvel, N.D., will be teaching this school year in an elementary public school in Crookston. She is a graduate of Mayville State College.

***Glen Filipi, '55, a native of Angus, received his Master's Degree from Moorhead State College at summer commencement exercises held August 21. Since his graduation from the University of North Dakota in 1962, Filipi has been teaching at the Roosevelt School in Fargo, North Dakota. He and his family make their home in Fargo.

***Col. Clayton M. Isaacson, '39, a native of Mahanomen, is a staff officer with U. S. Strike Command at MacDill Air Force Base, Florida. Colonel Isaacson was presented his airborne badge August 27 at graduation exercises in Marshall Auditorium after making five qualifying jumps from an aircraft in flight. He had completed the three-week airborne course at Fort Benning's Infantry School. Col. Isaacson and his family are now making their home in Florida. Their son Bruce and daughter Marilyn will be enrolled at the Northwest School this coming school year.

***Norman Sheldon, '59, of Bagley, received his Bachelor of Science degree from the College of Agriculture, University of Minnesota, St. Paul, in 1964. In June, he became a member of the U. S. Peace Corps and is now in Brazil, South America. His address: Ancar — AL 7; CAIXA Postal 33; Arapirach; Est. de Alagoas, Brazil, South America.

***A Campus Visitor: Mrs. Joe Kulek (nee Helen Miska, '29) of Buhl, Idaho, on July 6.

***Dr. Peter E. Fehr, '50, returned to the Cameroons, West Africa, on July 16, following a year and one half furlough at his home in the United States. He will resume his work as a medical missionary in that country. While on furlough in the United States, Dr. Fehr served on the staff of Ancker Hospital in St. Paul. Dr. and Mrs. Fehr and three children visited at their homes in East Grand Forks while here.

***Mrs. Melvin H. Lepisto (nee Audrey Linde) and her family visited the Northwest School campus on August 3. She was an English instructor at the Northwest School, 1944-1946. Mrs. Lepisto and her family live at: 2019 Russell Avenue, North; Minneapolis 11, Minnesota.

***LeRoy Duray, '63, visited the Northwest School campus on September 14. He has recently completed a Cosmetology Training Course and is now employed in Crookston.

***Ernest Dufault, '61, of Argyle, has enrolled for his second year at the Wahpeton School of Science. He is majoring in industrial drafting and designing.

***Joseph Raymond, '49, visited the campus on July 15. He is employed as a computer technician for Bunker Ramo Corporation, Canoga Park, California. His address: 8708 Owens Mouth Avenue, Canoga Park, California.

***Jonathan Saxman, '64, of Georgetown, has received an appointment for training at the United States Naval Academy at Annapolis, Maryland. He left for the Academy in July. Jonathan received his appointment from 7th District Congressman Odin Langen.

***Gene Nelson, '29, of Richland, Montana, visited the campus on July 19. He has a ranch and is located 70 miles northeast of Glasgow, Montana, near the Canadian border.

***Freeman K. Johnson, a member of the Northwest School and Experiment Station staff since May 1963, has completed his graduate work at the University of Minnesota, St. Paul, and was awarded his Ph.D. Degree at graduation held on Aug. 20, 1964.

Marriages

***Miss Carole Ann Foldoe, of Kennedy, to Richard A. Gatheridge, of Humboldt, on June 12 at Humboldt, Minnesota. They are making their home in Hallock, Minnesota.

***Miss Karen Olson of Fargo, N.D., to Ernest Dufault, of Argyle, on Aug-

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ust 8 at West Fargo, N.D.

***Miss Shirley Mae Boe, of Viking, to Marwood Hunstad, of Argyle, on June 27 at Newfolden. Home address: Argyle, Minnesota.

***Miss Florence Jochim, of Minneapolis, to Robert L. Dahl, of Kennedy, on June 5 at Minneapolis. Home address: Kennedy, Minnesota.

***Miss Darlene Berry, of Red Lake Falls, to Leonard Huot, of Red Lake Falls, on August 1 at Gentilly, Minnesota. Home address: Dorothy, Minnesota.

***Miss Eunice Fern Skrogstad of Milton, N.D., to Marlyn E. Duden, of Euclid, on June 9, at Milton, N.D.

Births

***To the Rev. Mr. and Mrs. James J. Ballweber (nee Sharon Hanson, '58), a daughter, Janelle Joy, on March 2, 1964. Address: Finley, North Dakota.

***To Mr. and Mrs. Conrad Kvamme, of Ada, twin daughters, on July 14. Home address: Ada, Minnesota.

***To Mr. and Mrs. Leonard Yutrenka, of Argyle, a son, on June 5.

Deaths

***Chester A. Anderson, '47, of Stephen, Minnesota, on March 23, 1964.

***Merle V. Halverson, '38, on August 17. While a student at the Northwest School, he lived in Hallock, Minnesota. Recently he had made his home in St. Paul, Minnesota, where he was a staff member of the University of Minnesota.

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

A reunion celebration of Northwest School women graduates from the classes of 1926, '27, and '28 was held on June 27 with eighteen in attendance. This year's gathering was held at the home of Mrs. Edythe Martinson Lilliquist at Hallock, Minnesota. A reunion of the women graduates has become an annual event, and the meeting in 1965 will be held at the home of Mrs. Alice Parnow Patten at Thief River Falls, Minnesota, on the last Saturday of June.

In attendance at this year's reunion were: Mrs. Vivian Olson McCrum and Mrs. Sophie Brieland Burstad of Thief River Falls; Mrs. Sanna Hanson Brovold, Gully; Mrs. Olga Johnson Knoickson, Plummer; Mrs. Gertie Dale Berhow, Mrs. Hilda Dale Erickson, Mrs. Doris Olson Helm and Mrs. Esther Viker Olson — all of Fertile; Mrs. Helen Hovland Erickson, Duluth; Mrs. Helen Gullingsrud Sharpe, Shelly; Mrs. Hazel Thibodo Walker, Stephen; Mrs. Ann Dunbar Uppman, Babbit; Mrs. Amber Osterloh Love, Euclid; Mrs. Amy Onneland Winslow, Arvilla, N.D.; Mrs. Edythe Martinson Lilliquist, Hallock; and Mrs. Laura Buck Miller and Mrs. Adeline Buness Lindquist of Crookston.