

# THE NORTHWEST MONTHLY



Published Monthly by the Northwest School of Agriculture of the 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 XXVI

CROOKSTON, MINN., SEPTEMBER 1942

NUMBER 10

## Fall Term Opens October 5

### Large Enrollment Assured

An attendance in excess of the 375 total enrollment of 1941-42, at the Northwest School, is forecast for the opening week of the fall term which starts on October 5. Advance room reservation deposits are in excess of one year ago. Robertson Hall, the main dormitory for girls, has been filled for some time; girls are now being assigned to overflow quarters in the Home Economics and Health Service buildings.

The boys' dormitories were vacated by the U. S. Army Glider Training pilots on September 15. Workmen are now reconditioning the buildings and will have them ready for occupancy at the opening of school. Floormen are now completing the floor finishing work in the gymnasium and dining hall.

Classrooms and laboratories are now in readiness for fall classes.

### Martin Egeland Killed

#### In Plane Crash

Martin Egeland, '41, of Fisher, a private flying student at the Grand Forks Municipal Airport, was fatally injured in an airplane crash near his home on Sunday, August 24. Martin and his classmate, Odney Flaot of Fisher, were getting private flight training to seek admittance in the United States Army Air Corps. At the time of his crash, Martin had accumulated twenty-six hours of flying time and was considered a steady flier by his instructor and others.

Martin, as a student in school, made an enviable record as a good all-round student. He was outstanding in football and took active parts in school dramatics, vocal groups, and Y. M. C. A. In his home community, Martin was an active worker and leader in his 4-H club and church organizations.

The school was represented by both faculty and students at the funeral which was held on Thursday, August 27, at the Bygland church near Fisher, Minnesota.

### Students May Apply

#### For Transportation Aid

The 1941 Minnesota Legislature made students of the Schools of Agriculture eligible for Transportation Aid on the same basis as students attending high schools. The granting of Transportation Aid rests entirely with the local

(Continued on Page 2, Col. 1)

### New Staff Members Announced

Miss Mary Ellen Roemer of Minneapolis has been secured as instructor in senior English and Debate to succeed Miss Delores Webster.



Miss Roemer

Miss Roemer, a classmate of Miss Webster, graduated from the University of Minnesota in 1940 and took graduate work during the two summer sessions in 1942. During the past two years Miss Roemer has been an instructor in the Stark Patten Studios in Minneapolis. Miss Roemer will, in addition to her academic class work, assist in the physical education program for girls.

Miss Evelyn A. Anderson of Osakis Minnesota, has been appointed as instructor and school nurse to fill the vacancy created by the resignation of Miss Mary Peterson. Miss Anderson has an excellent background of training and experience in public health work. She graduated from the nurses' training course at Deaconess hospital, Grand Forks, North Dakota, in 1940, and has had experience as general duty nurse in hospitals in Minneapolis and St. Paul. Miss Anderson has just completed a six months training course in Public Health Nursing at the University of Minnesota.

Miss Mary Janet Noyes of Minneapolis has been appointed as instructor in freshmen English and History to replace B. M. Bakkegaard who resigned to enter the Army Medical Corps. Miss Noyes, a graduate of the University of Minnesota, class of 1942, has majored in English with a minor in History. During the past two summers, Miss Noyes has been assistant camp director at a girls' camp at Walker, Minnesota. The Misses



Miss Noyes

(Continued on Page 2, Col. 3)

### Glider School Students Move To Crookston

The L. Millar Wittig U. S. Army Glider Training School, which has been on the Northwest School campus since June first, was moved to Crookston on September 15 to permit school workmen to get the dormitories in readiness for the school term.

The trainees, together with several of the officers, are now occupying the entire Hotel Crookston. Ground school instructors, supplied by the Northwest School, are conducting their classes in the Hotel Crookston and their physical education program in Central Park and the Winter Sports Arena in Crookston.

Courses of instruction now offered in the aviation ground school include Meteorology, Navigation, Aircraft Maintenance, and Physical Education. W. R. Peterson, a full-time member of the Northwest School staff who served as an instructor in Navigation during the summer, is now devoting full time to School and Experiment Station work. Robert Reynolds, a senior in aeronautical engineering and an instructor in the glider training school since early June, will remain with the school until its close in November and give instruction in Navigation and Aircraft Maintenance. Maxwell Oftedal, instructor in Meteorology during the summer, left on September 20 to re-enter the University of Minnesota. Mr. Lyman

(Continued on Page 3, Col. 3)

### Homecoming, October 31

Plans are underway now for the annual Homecoming football game and celebration scheduled for October 31. The original plans for Homecoming on October 24 were changed in order to secure the West Central game at Crookston on October 31.

The Homecoming celebration this year will honor the Northwest School boys in service who can arrange to attend. Alumni and former students in uniform will be guests at the football game and school parties.

The restrictions on travel will probably curtail the attendance of alumni at the Homecoming; however, students in school will carry on the traditional celebration.

One of the features of the assembly program on Homecoming will be the presentation of the 1932 class memorial to the school by officers of that class. The two beautiful mural paintings presented to the school by the Class of 1932 have been installed in the auditorium. The artist who painted the murals, Mr. John Socha, expects to be present for the presentation ceremonies.



Issued Monthly by  
THE UNIVERSITY OF MINNESOTA  
NORTHWEST SCHOOL OF  
AGRICULTURE  
T. M. McCall, Superintendent  
OFFICE  
Northwest Experiment Station,  
Crookston, Minnesota

A monthly publication in the interest of agricultural education and home training for Northwestern Minnesota.

## Soybean Meal For Poultry

A. M. Pilkey

Indications are that large amounts of soybean meal will be produced this year. With the increased price and shortage of meat meal, every effort should be made to use more soybean or linseed oil meal to replace a part of the protein ration required for poultry feeding.

At least half of the animal protein requirements may be replaced with soybean or linseed oil meal. As sources of animal protein, it still will be necessary to use such materials as meat scrap or fish meal, with the addition of lesser amounts of dried skimmilk or buttermilk.

In making feed mixtures using increased amounts of soybean or linseed oil meal, special care should be taken to add riboflavin, calcium, phosphorus and salt as soybean meal is short of these nutrients. When replacing animal protein with soybean protein, add an extra five per cent to the amount and in addition five per cent of bone meal and one per cent of salt to the ration.

## STUDENTS MAY APPLY FOR TRANSPORTATION AID

(Continued from Page 1)

school board and parents should make application for this aid if it is desired.

Boys and girls to qualify for transportation aid in their respective districts must be graduates of the eighth grade and must be residents of a rural school district which does not offer accredited high school instruction.

Students with transfer credit from high schools are eligible for transportation aid but graduates from high schools are no longer eligible. Students who come from school districts which are now running bus lines are entitled to transportation aid to apply on board and room costs while attending the Northwest School.

Parents of students from rural districts which are not paying transportation aid should, if they see fit, present the matter to the local school board for consideration.

## NEW STAFF MEMBERS ANNOUNCED

(Continued from Col. 3)

Defense Program. He has also conducted classes in tractor repair and maintenance for farmers and automobile mechanics for high school seniors.

## Teaching Staff For 1942-43

The release of R. J. Christgau for work with the National Red Cross, effective October first, created a vacancy in the school staff which will be filled by the opening of the school year. The Northwest School has been fortunate through the years in securing and retaining outstanding specialists in their respective fields. Two members of the staff, B. M. Bakkegard and A. Kirk Crawford, have entered military service during the summer. Four members of the academic staff, lost through resignation, include the Misses Ona Scheidler, Delores Webster, Elvira Bierbauer, and Fanny Lippitt.

Members of the teaching staff for 1942-43 are: T. M. McCall, superintendent; R. S. Dunham, A. M. Foker, A. M. Pilkey, W. R. Peterson, R. J. Halvorson, J. H. Wampole, O. M. Kiser, A. O. Naplin, E. F. Bennett, Wm. M. Barron, Retta Bede, Marian Frykman, Fae Hughbanks, Elsie Kingston, Martha Manning, Evelyn Anderson, Mary Noyes, Mary Roemer, Ingwelde Pfitzner, M. Ardell Hamlett; Dr. O. K. Behr, school physician.

## Experimental Hay Drier Installed

W. R. Peterson

An experimental hay drier has been installed in part of the hay loft of the beef barn at the Northwest Experiment Station in order to make possible a study of this method of curing hay.

It is well known that field dried hay, particularly field dried alfalfa, loses a very considerable part of its nutritive value in drying and handling and sometimes in storage as well.

It is not uncommon for field dried hay to lose a major part of its leaves if left in the field until thoroughly dry; or if it is gathered into the hay loft before it is thoroughly dry, it loses nutritive value and becomes less palatable through molding and heating.

Hay that heats in the hay loft and is allowed to continue heating will mold and become very dusty. If this hay can be kept cool by ventilation, it will not mold and will be kept in good condition.

The hay drier that has been installed in the beef barn is intended to keep the hay ventilated by blowing air through it during the time of the day when drying conditions are favorable. Usually, this is from mid-forenoon until late afternoon. The air is carried to the hay loft from a motor driven blower by means of a system of air pipes or ducts built on the hay loft floor so that it passes up through the hay. The time required for drying will vary from five days to two weeks.

The floor area, covered by the present installation, is about 30x36 feet, giving a capacity of fifteen to twenty tons of hay. It has been found impractical to place more than ten or twelve feet of hay on such a drier unless provisions are made for additional air passages through the bottom layers of hay.

To date, the drier has been used to dry about ten tons of hay in one filling and is now refilled and in operation.

(Continued on Page 4, Col. 3)

## R. J. Christgau Accepts Appointment

R. J. Christgau, instructor and director of athletics at the Northwest School for the past thirteen years, has accepted



R. J. Christgau

a position as Assistant Field Director of recreation for the American Red Cross. Mr. Christgau's resignation at the school is effective October first at which time he will assume his new duties in Washington, D. C. In assuming his new position, Mr. Christgau stated that he would take an orientation course of two weeks starting October 12. After the orientation course, Mr. Christgau will be assigned duties outside of the continental United States.

During his years as coach of basketball and football at the Northwest School, he has been successful in producing high-ranking teams with better than average championship ratings.

While on sabbatic furlough in 1939-40, Mr. Christgau developed his thesis for a Master Degree, "The Record of Performance for Sheep", which has become of quite general use by sheep breeders.

The Christgaus will move from the campus during the last week of September to St. Paul where the family will reside for the duration of the war.

## NEW STAFF MEMBERS ANNOUNCED

(Continued from Page 1)

Noyes and Ardell Hamlett will have charge of the Freshmen and Junior public speaking programs which are presented at the Wednesday school assemblies each week.

Mr. Alvin O. Naplin of Crookston has accepted the position as instructor in Science for the coming school year. Mr. Naplin, a graduate of Gustavus Adolphus College in the class of 1937, conducted a water softener service in Crookston until closed by war priority regulations one year ago, since which time he has been employed in war industries on the West coast. Mr. Naplin served as part-time night preceptor in the boys' dormitories during the school year of 1940-41 and is favorably known by the older students. He will take over the position formerly held by Bryan F. Swan and serve as preceptor in Senior Hall for boys.

Mr. William M. Barron of Pembina, North Dakota, has accepted the position as laboratory instructor in agricultural engineering for the school year. Mr. Barron received his training at the North Dakota Agricultural College and Hanson Tractor School at Fargo. During the past several years, while Mr. Barron has been developing a farm at Pembina, North Dakota, he has served as instructor in mechanics to out-of-school youth under the National

(Continued—See Col. 1)

## First Annual Corn Day Held Sept. 19

Eighty-five corn breeders and corn growers from Northwestern Minnesota gathered at the Northwest School and Station on September 19 for the first annual Corn Day.

Men who took part on the speaking program were Dr. H. K. Hayes, chief of the Division of Agronomy and Plant Genetics, Professor E. H. Rinke, and Ralph Crim all of University Farm, St. Paul, and R. S. Dunham, agronomist, and Superintendent T. M. McCall of the Northwest School and Station.

Dr. H. K. Hayes, in discussing the production of hybrid corns for Northwestern Minnesota, stated "Primary attention was paid in the first corn breeding work in Minnesota to the production of corn hybrids for the central and southern zones in Minnesota. During the past several years the Minnesota, North Dakota, and Wisconsin stations and larger seed companies have produced many hybrids of value for Northern Minnesota. Corn breeding work ranks in value of added income to corn growers with the breeding of small grains for rust-resistance."

Professor Rinke explained to the corn growers the Minnesota system of releasing Experiment Station corn hybrids to the seed producers. Ralph Crim, extension agronomist, discussed maturity classification of corn hybrids and the Minnesota law governing hybrid corn classifications.

R. S. Dunham conducted the tour through the corn plots at the Northwest Station.

Corn breeders were able to compare the maturity of their respective hybrids with other hybrid strains and standard varieties offered for sale in the Red River Valley area. Corn growers were impressed by the maturity of the very early hybrid strains at the Northwest Station and the value of a comparative test for the determination of suitable strains for planting.

## Production Efficiency Determined For Sheep

R. J. Christgau

The branch experiment stations of the University of Minnesota are cooperating in an extensive sheep breeding project which is designed to improve flock efficiency for both mutton and wool. The project consists of a standardized Record of Performance, with the flocks being culled and breeding stock selected on the basis of production instead of by the customary show-ring standards. Breed characteristics, however, are not disregarded. Since there is a great deal of variation in the size and weight of the various breeds of sheep, production in proportion to body weight is determined.

In the standardized cooperative Record of Performance project, all ewes are weighed at least once yearly, lambs are weighed at birth, at fifteen weeks, and at twenty-three weeks or when they weigh 90 pounds. Both wool and lambs are graded and the production ratings adjusted for grade.

At the Northwest School and Experiment Station, slaughter tests will be made of a number of wethers from each sire to determine what progress is being made in improving carcass quality.

In addition to individual performance ratings, it is hoped that some valuable information will result which will help to determine the relative merits of large and small type breeds of sheep. At the Northwest Station, purebred Shropshires and Hampshires are being tested, along with a few Shropshire-Hampshire cross-breeds. At the West Central Station at Morris, Shropshires and the new large type Columbia breed are included with cross-breeding eventually to be added. At the North Central Experiment Station at Grand Rapids, Shropshires, Hampshires, and Hampshires crossed with Western ewes are being used. The Southeast Experiment

(Continued in Col. 3)

## Students Requested To Bring Sugar Rationing Cards

In case students, who plan to enroll at the Northwest School this year, are not familiar with the procedure pertaining to sugar rationing books, the following information is given:

Students residing on the campus who secure meals in the school dining hall must deposit their sugar rationing cards with the accountant at the opening of school. The school cannot use the students' sugar coupons; however, the U. S. Government requires that sugar rationing books be deposited at any hotel, institution, or school where twelve or more meals per week are received by an individual. The School is cooperating fully in the sugar rationing program. There will be less sugar available for dining hall use during the war emergency; however, the supply of sugar will be adequate for all normal needs.

## GLIDER STUDENTS MOVE TO CROOKSTON

(Continued from Page 1)

Chapman of River Falls, Wisconsin, appointed to succeed Mr. Oftedal as instructor in Meteorology, took up his duties on September 21. Mr. Chapman expects to bring Mrs. Chapman and their two daughters to Crookston to reside until the close of the glider school.

E. F. Bennett, swimming and athletics instructor at the school during the school year, has had charge of the physical education program for the glider students since August 24.

## PRODUCTION EFFICIENCY DETERMINED FOR SHEEP

(Continued from Col. 2)

Station at Waseca has Hampshire and Shropshires.

The Hampshire flock at the Northwest Station, in addition to being tested for efficiency, will be bred for open faces, the foundation stock having been secured for this purpose.



Pictured above is the student choir of the Northwest School, 1941-42 school year.  
Back row: I. Magnusson, R. Morrison, G. Balstad, D. Clow, L. Jensen, A. Knutson, M. Nelson, H. Rasmussen.  
Second row: C. Sargent, J. Naplin, A. Minderman, D. Milne, V. Hoppe, G. Grothe, C. Knutson.  
Front row: A. Knutson, I. Koznek, E. Balstad, I. Grove, H. Nesbit, M. Forfang, B. Halliday, E. Scholin.

## NORTHWEST SCHOOL BRIEFS

### News Regarding Alumni and Former Students

\*\*\*Mr. and Mrs. Murray Hales are now living in Falconbridge, Ontario, Canada.

\*\*\*Ida Baird of Crookston is employed in Douglas Aircraft Company, Inc., El Segundo, California.

\*\*\*Morris Magnusson has enlisted in the army air corps.

\*\*\*Glenn Ellinger, second lieutenant with the armed forces, recently visited his parents in Crookston. He completed his officer training at Fort Benning, Georgia, and is now stationed in San Francisco, California.

\*\*\*Lt. and Mrs. Roland Wentzel are now living at 1028 Tyler, Port Townsend, Washington.

\*\*\*Word has been received that Marvel Carl Benson, who is in the armed forces, has arrived safely in England. Marvel joined the Royal Norwegian Air Force in September and was an instructor in aerial gunnery before being sent abroad.

\*\*\*A number of Northwest School graduates will attend the University of Minnesota this year. They are: Joan Phillips of Noyes; Camilla Ecklund of Hallock; Opal Mykley of Climax; Marian Nelson of Fergus Falls.

\*\*\*Delsie Filipi of Angus recently graduated from the nurses' training course at St. Luke's Hospital, Fargo, North Dakota. She has enrolled in the U. S. Navy as a navy nurse and is awaiting her call for service.

### ADDRESSES OF NORTHWEST SCHOOL ALUMNI IN ARMED FORCES:

\*\*\*Pvt. Frank Phillips, 2nd Platoon, Co. B., Medical Training Battalion, Camp Berkeley, Texas.

\*\*\*Pvt. Arthur Aasland, 37298516, 68th Med. Regt., Tr. Detachment, Camp Forrest, Tenn.

\*\*\*Thomas Arthur Sanden, 783 T. S. S., Brks. 297, Lincoln Air Base A. A. F., Lincoln, Nebraska.

\*\*\*Pvt. LeRoy Larson, Platoon 636, Recruit Depot, Marine Corp Base, San Diego, California.

\*\*\*Gordon Ellinger, Army Engineer Camp, Shebley, R. R. Bat., Mississippi.

\*\*\*Pvt. Chester A. Anderson, A. S. N., 37097873, Btry. D., 420th C. A. (AA) APO No. 940, c-o Postmaster, Seattle,

Washington. He is with the coast artillery and has been in Alaska since May first.

\*\*\*Lawrence A. Anderson, Cadet, 318 T. S. S. Brk., 620, Sheppard Field, Texas. He is in the army air corps and is an aerial mechanic.

\*\*\*Donald Handegard, 407th T. S. Squadron, Barracks 164, Sheppard Field, Texas. He is in the air corps.

\*\*\*Pvt. Kermit E. Williamson, 37092842, Battery B. 305th, C. A. B. B., A. P. O. 953, c-o Postmaster, San Francisco, California.

\*\*\*Lt. Donald Anderson, formerly of Perley, is stationed in San Diego, California, where he is a pilot in the air corps.

### MARRIAGES

\*\*\*Ethel Torkelson of Crookston to Donald Biven of Crookston at Yuma, Arizona, on Friday, August 28. Their address is 241½ No. Cedar, Glendale, Cal.

\*\*\*Annabelle Jeffrey of E. Grand Forks to Lyle P. Turner, second class petty officer, U. S. Navy, at Boston, Massachusetts, on September 12. They will make their home in Boston.

\*\*\*RECENT CAMPUS VISITORS: Alice Symons of Minneapolis; Ruth Lerud of Twin Valley, Delsie Filipi of Angus.

\*\*\*Mrs. Oline Ness, housemother at Robertson Hall for the past two years, is now employed as a Registered Nurse in the hospital at San Haven, North Dakota.

\*\*\*Miss Katherine Hennig of Minneapolis, who was an instructor in music at the Northwest School 1933-35, is now a well-known concert artist. She has appeared in opera, concert and oratorio. She is living in Minneapolis and is on the teaching staff of St. Catherine's College, St. Paul.

\*\*\*Arnold Torkelson of Thompson, N. D., is enrolled this year at the North Dakota Agricultural College of Fargo. He is majoring in engineering preparatory to entering the military service.

### EXPERIMENTAL HAY DRIER INSTALLED

(Continued from Page 2)

The hay placed on the drier in the first filling varied in moisture content from 31% to 55% with the average around 45%. It has been found that hay with a moisture content of 30 to 45%, when placed on the drier, will keep very well and will retain practically all its leaves and green color and will not be dusty. Hay at 55% moisture is very difficult to dry and will require excessive power for drying. It is very unlikely that anyone would ever need to place hay of such moisture content (55%) in the hay loft. It is, however, frequently desirable to take hay into the loft with moisture content of 25 to 45%; and it is with hay like this that the drier is most practical, as such hay can be dried at relatively low cost, and if the hay is brought in green and leafy, it will remain so when the drier is properly operated. Hay with a moisture content around 30% may be handled with very little loss of leaves and should still have a good color except under very unfavorable conditions. Under good drying conditions, hay will dry to 30% moisture in the same day that it is cut, if cut in the early forenoon. This short drying time in the field reduces the hazard of rain and tends to preserve a good green color.

### Physical Training Program Expanded

The President's request for physical fitness of all is being answered at the Northwest School by an expanded physical training program. Swimming and gymnasium work, formerly required of Freshmen and Juniors only, will now be required of all students physically capable of taking part.

Mr. E. F. Bennett will again teach swimming and wrestling, serve as track coach, and assist with the gymnasium work. He will be assisted by Miss Elsie Kingston and Miss Mary Roemer of the Northwest School faculty. Mr. Bennett, during the summer, has acted as lifeguard and swimming instructor at the Crookston pool, and has had charge of the physical training program for the Glider School students the latter part of the summer.

Plans are underway for a strong intramural program of sports with every student taking part in one sport or another, indoor or outdoor, during the school term.

### WANTED

Names and addresses of former students and alumni in armed forces of the United States. The present mailing list is incomplete due to changes of address of boys in service. School news will be sent regularly to boys in service. Send information to Sup't T. M. McCall, Northwest School, Crookston, Minn.

### Football Program Curtailed

In conjunction with hundreds of other schools throughout the state and nation, the Northwest School has curtailed its football schedule this fall to conserve on rubber and gasoline. Games played will be mostly with local and nearby teams. One of the traditional games, with Grand Rapids Aggies, has been cancelled since the Grand Rapids school does not open until late in October. They will have no football program this year. The Northwest School's one Conference game will be played with the Morris Aggies on Homecoming Day at the Northwest School on October 31. Other games are with Crookston Central and Crookston Cathedral, with one tentative game with an out-of-town team on Parents' Day, November 7.

(Continued in Col. 2)

### FOOTBALL PROGRAM CURTAILED

(Continued from Col. 1)

The number of contests has been reduced but the schedule will still serve its primary purposes, those of physical training, development of good sportsmanship and competitive spirit, loyalty, and the contribution to school morale.

Football material should come up to the standard of last year. With some transfer students and veterans of last year's squad, the Northwest Aggies will be out in full force for the opening game with Crookston Central on October 9. Captain Darwin Ferrier of Pitt is already on the campus for preliminary work, along with a few other boys who are able to report early.

### BUY WAR BONDS