

# THE NORTHWEST MONTHLY



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NUMBER 8

## School Term Opens Sept. 29 Combine Day, July 30

### Combine Day To Be Held July 30

The second annual "Combine Day" will be held at the Northwest School and Experiment Station on Wednesday, July 30. The Combine Day proved so popular last year that many farm owners and operators of threshing machines and combines requested that the day be made an annual affair.

A date at the beginning of harvest was selected so an adequate supply of matured small grain would be available for demonstration purposes. A. J. Schwantes, chief of the Division of Agricultural Engineering, and Norton Ives, extension specialist in agricultural engineering, both from University Farm, St. Paul, and A. K. Crawford, A. M. Foker, and W. R. Peterson of the agricultural engineering staff at the Northwest School, will be in charge of the program which will be held during the afternoon from 1:30 to 4:00 p. m.

The general problems of saving grain and proper threshing of cereals to retain quality will be discussed. The different types of combines will be demonstrated in action with one combine demonstrated under field conditions.

### Alumni Reunion Well Attended

Alumni at the Northwest School had a very successful reunion on Saturday, June 28, with two hundred alumni and former students present for the various activities throughout the day.

The class of 1916 with fifty per cent of its membership present for their silver anniversary was the largest class group present. The '16's, with the Home Economics building as their headquarters, enjoyed a picnic dinner and lunch together and an informal program with Paul Engelstad of Thief River Falls as master of ceremonies. Members of the class responded to roll call with a statement of their activities since 1916. A feature of the 1916 class reunion was the presentation to each member of the class a mimeographed booklet, with personal history letters

(Continued on Page 4, Col. 2)

### Fall Term Opens Sept. 29

On Monday, September 29, the Northwest School of Agriculture will open its thirty-sixth year. With over two hundred paid room reservations by mid-July, a more than average enrollment is expected for the opening of the fall term.

The acute labor shortage has re-emphasized the fact that the school year at the Northwest School fits in to the agricultural program and gives boys and girls opportunity to attend school when they can best be spared from work on the farm.

The new provision in the Transportation Aid law passed by the last legislature, which includes students from the Schools of Agriculture on the same basis as students attending high schools, will be of great assistance to Northwest School students. The detailed rulings on the working of the transportation aid to students of the Schools of Agriculture will not be acted on by the State Department of Education until August; however, it is the intent of the law to have transportation aid from the districts cooperating apply on board and room costs for students living at a distance from the school.

Boys and girls attending the Schools of Agriculture are getting the vocational courses in addition to the regular academic work. Credit for all course work is given which will apply on graduation. The emphasis placed on

(Continued on Page 2, Col. 3)

### Four Hundred Attend Field Crops Day

More than four hundred farmers and some fifty farmers' wives attended the Crops and Soils Day program at the Northwest School and Station on July 15. A large delegation of Experiment Station men from the departments of agronomy, soils, plant pathology, and horticulture were guests of the school and campus families for the noon picnic dinner.

The program started at 10:30 a. m. with the business meeting of the Red River Valley Crops and Soils Association. The tour of the plots started promptly at 1:30 p. m. with R. S. Dunham, agronomist, as tour leader, assisted by R. E. Nylund and J. H. Wampole.

A great deal of interest was shown in the results obtained in spraying mustard with the Sinox spray material in which perfect control was obtained. The resistance of the new wheat varieties to black stem and leaf rust was closely observed by the visitors. Other items of major interest on the plot tour included potato spraying experiments for the control of leaf hopper and flea beetles, fertilizer tests on flax, pasture trials, corn and small grain variety tests.

A speaking program was presented after the field tour and included an address by Dr. J. Allen Clark of the U. S. Department of Agriculture, Washington, D. C. and Professor W. H. Alderman of University Farm, St. Paul. Superintendent T. M. McCall, presided. In the panel discussion on crop problems, with R. S. Dunham, presiding, several staff members from University Farm, St. Paul, took part and included: C. O. Rost (fertilizers), R. P. Murphy (hybrid corn), I. W. Tervet (cereal diseases), N. E. Borlaug (flax diseases), Carl J. Eide (potato diseases), F. A.

(Continued on Page 4, Col. 3)



Combine Day at Northwest School in 1940



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NORTHWEST SCHOOL OF  
AGRICULTURE.

T. M. McCALL, Superintendent  
OFFICE  
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A monthly publication in the interest of  
agricultural education and home training  
for Northwestern Minnesota.

### Miss Grace Warne Wed On July 19

Miss Grace Mary Warne, instructor in English and violin at the Northwest School for the past several years, was united in marriage with Kenneth Flom, '30, on Saturday, July 19. The wedding was solemnized at the St. Mary's church in St. Paul, Minnesota, in the presence of close friends and relatives.

Miss Warne was an inspiring instructor to her classes in both English and violin and was generous of her time in assisting with extra-curricular music and class activities. Mr. Flom has, for a number of years, been the manager of grain elevators in the west until called to Gary, Minnesota, one year ago to take over the management of an elevator there. The Floms will reside in Gary.

The best wishes of the entire staff and student body are extended to Mr. and Mrs. Flom.

### Mustard Spray Material Tested

A mustard spraying demonstration and trial was started on June 25 at the Northwest Experiment Station with farmers in the immediate vicinity cooperating. A new chemical under the trade name of Sinox is being tested to control mustard in flax and cereals. The spray material is applied as a coarse liquid spray which adheres to the hairy leaf of the mustard but runs off the smooth leaves of flax and cereals.

Observations on the effectiveness of the spray material made on Crops and Soils Day indicated that mustard was effectively controlled on the treated plot.

Messrs. Zorsch and White of the Standard Agricultural Chemicals, Inc., Hoboken, New Jersey, supervised the application of the spray materials. R. S. Dunham, agronomist at the Northwest School, and Carl Ash, West Polk county agricultural agent, are taking summer and harvesting records on the treated and untreated plots.

### John H. Wampole Appointed Horticulturist

John H. Wampole, newly appointed horticulturist at the Northwest School and Experiment Station, arrived on the campus July 14 to be inducted into immediate service on the county agents tour of the experimental plots.

Mr. Wampole is taking over the position held by R. E. Nylund for the past two years. Mr. Wampole comes to the

(Continued in Col. 2)

### J. W. Mlinar Resigns

J. W. Mlinar, Registrar at the Northwest School for the past thirteen years, has resigned his post to recuperate his health and go in to other work. Superintendent T. M. McCall, on commenting on Mr. Mlinar's resignation stated, "Mr. Mlinar has been eminently successful in his work as Registrar, instructor, preceptor, and community leader and it is with deep regret that I see him leave the institution he has served so faithfully for the past thirteen years." Mr. Mlinar was granted sabbatic leave by the University Board of Regents at the June meeting; however, according to present plans announced, Mr. Mlinar will accept part-time work with the University while receiving treatment for a troublesome allergic condition before taking up new work more conducive to his health.

No regular appointment has been made to fill the vacancy created by Mr. Mlinar's resignation; however, Mr. W. R. Peterson, who was an instructor in agricultural engineering at the school last year, returned to the school on July 15 to serve as acting registrar and assistant project supervisor. He will serve until the opening of the school year and until a new Registrar is appointed.



J. W. MLINAR

### JOHN H. WAMPOLE APPOINTED HORTICULTURIST

(Continued from Col. 1)

Northwest School with a fine background of teaching and experiment station experience having taught in the public schools of Eau Claire, Wisconsin, for five years and assisted in the division of horticulture at University Farm, St. Paul, for two years while taking post graduate work. During the past two years, Mr. Wampole was an assistant in the potato breeding work at St. Paul and cooperated with the Northwest Station in planting and harvesting potato breeding plots.

Mr. and Mrs. Wampole will reside on the Northwest School campus.

### 1234 Enrolled For 4-H Club Week

Twelve hundred and thirty-four 4-H Club members from thirteen Red River Valley counties attended the 30th annual 4-H Club Week held at the Northwest School of Agriculture June 2-7. H. A. Plughoeft, district leader of 4-H Clubs, and camp leader, stated—"The 1941 camp has been one of the most successful camps ever held in the Red River Valley. All classes and group discussions were held; the heavy rains at the close of the week interfered only with outdoor sports." One hundred and forty adult and junior leaders attended the leaders' training school which was run concurrently with the 4-H Club project classes.

Judges in music and dramatics contests were unanimous in their praise of the high quality of talent participating in the competitive events.

Thirteen county groups competed in the one-act play contest with five counties qualifying for the blue ribbon awards. County one-act play casts receiving the blue ribbon award were: Clay, East Ottertail, West Ottertail, Marshall and Red Lake. Counties winning the red ribbon award in one-act plays included: Becker, Mahnomen, Norman, West Polk, Clearwater, Kittson, Pennington, and Roseau.

In the vocal contests, counties were represented by individuals or groups. Counties winning blue ribbon awards in the vocal contest included: Clay—boys' quartette; Mahnomen—girls' trio; Norman—mixed sextette; West Polk—girls' quartette; Marshall—mixed chorus; Pennington—girls' trio; Kittson—girls' trio; Red Lake—girls' sextette; Red ribbon groups in vocal contests included: Becker—girls' quartette; East Ottertail—mixed quartette; West Ottertail—girls' trio; Clearwater—girls' trio; girls' septette; Kittson—girls' sextette; Roseau—girls' duet.

In the instrumental music contests Blue Ribbon winners included: Clay, girls' trio; Norman, trombone and cornet duet; West Ottertail, clarinet sextette; Kittson, band and quartette; Roseau, clarinet duet; girls' trio from Clearwater county was given the red ribbon award.

Sixty boys and girls competed in the Better Groomed contest, with each county supplying one boy and one girl in each of the two age groups. Blue Ribbon winners in the girls' contests were: (northern Red River Valley counties)—Norma Lee, Roseau county; Dorothy Schultz, Roseau; Lucille Fitzsimons, Marshall; Orapha Hartman, Red Lake; Laura Jorde, Pennington. (South-  
(Continued on Page 4, Col. 2)

### FALL TERM OPENS SEPT. 29

(Continued from Page 1)

vocational courses at the Schools of Agriculture since their inception has added significance this year in defense training.

A full staff of instructors will be on hand for the opening of school. Prospective students should send for information or make room reservations by sending the two-dollar room reservation fee at an early date to insure a good room location.

## Method of Using Sweet Clover for Feed

Sweet clover, because of its value as a feed crop as well as a soil builder, is grown extensively throughout the Red River Valley. Except for using it as pasture, difficulties have been encountered this season in other methods commonly followed in utilizing this crop. The heavy rain during the month of June was the cause of such a rank growth that farmers are finding it almost impossible to plow under sweet clover as is commonly done for soil improving purposes. Again on most farms, sweet clover has grown beyond a stage for the best quality of sweet clover hay; furthermore, because of the frequent rains the hay cannot properly be cured. Sweet clover hay produced under such condition is usually moldy and past experiences have all too frequently demonstrated the dangers of feeding moldy sweet clover hay.

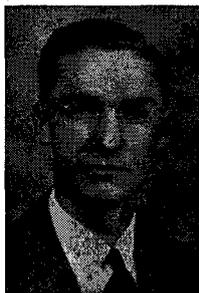
On a large number of farms the June rains prevented the planting of the usual acreage of corn for silage and other feed purposes. Sweet clover on these farms is one of the heaviest crops that has ever been produced.

In ordinary seasons when good drying and curing conditions prevail, sweet clover can be cut with mowers and cured in the swath and windrow by

(Continued on Page 4, Col. 1)

## R. E. Nylund Transferred To Central Station

R. E. Nylund, horticulturist at the Northwest School and Experiment Station for the past two years, has been



R. E. Nylund

transferred in the University service from the Northwest School and Station to the Central Station at University Farm, St. Paul. Mr. Nylund, who has done outstanding work as a horticulturist at the Northwest School and Station during the past two years, has been selected to coordinate some of the investigational work which is now being carried on in potatoes by the various departments of the Experiment Station. He will be permitted to continue his graduate study in connection with his experimental work.

Mr. Nylund closed his work at the Northwest School on June 30 but returned to the Station to assist with the field tour on Crops and Soils Day, July 15.

## R. R. Valley Crops and Soils Association Elects Officers

At their business session held on Crops and Soils Day, July 15, at the Northwest School and Station, the Red River Valley Crops and Soils Association elected new officers. Officers and directors elected were as follows: Theodore Mellum of Ulen, president; Oscar J. Olson of Lake Park, vice-president; R. S. Dunham of Crookston, secretary; and Otto Hoppe of Crookston, treasurer. Directors are: J. E. Sundberg of Kennedy, Kittson; Gustaf Kveen of Roseau, Roseau; Alfred Hvidsten of Stephen, Marshall; Peter Schirrick of Red Lake Falls, Red Lake; John O. Rydeen of Clearbrook, Clearwater; Albert Kopecky of Tabor, West Polk; Melvin Flaskerud of Fosston, East Polk; Martinus Flatten of Twin Valley, Norman; Oscar J. Olson of Lake Park, Becker; M. O. Valen, Comstock, Clay; Theodore Peet of Wolverton, Wilkin; W. H. Frey of Perham, East Ottertail; Theodore Thompson of Fergus Falls, West Ottertail; V. C. Noper of Thief River Falls, Pennington; and George Berggren of Baudette, Lake of the Woods.

PLAN TO ATTEND COMBINE DAY,  
JULY 30



ATTEND ALUMNI REUNION JUNE 28

Pictured above are some of the members of the class of 1916 of the Northwest School who were at the school on Alumni Day for the 25th anniversary of the 1916 class. Reading from left to right: Front Row—Children of alumni; second row—Ole A. Flaot, Mrs. Paul Engelstad; Mrs. Oscar Lund, Oscar Lund, Lloyd Stewart; third row—Edwin Hammar, Mrs. Wm. Ash, Jr., Mrs. Ole Flaot, Mrs. Edwin Hammar, Mrs. Herman Skyberg, Mrs. E. Engelstad and husband; fourth row—Hildur Lindfors, Morris Engelstad, Mrs. Lester Garceau; fifth row—Herman Skyberg, Wm. Ash, Jr., Chloe Starr, Lorin Laughlin, Helen Sontag Pettit, Clara Meinert, Henry Rud, Thorval Tunhelm; sixth row—Paul Engelstad, Supt. T. M. McCall, Mrs. T. M. McCall; Ruth Engelbraksen, Ruby McDonald, Lester Garceau, Mrs. Henry Rud, Lloyd Stewart.

Courtesy of Grand Forks Herald

### METHOD OF USING SWEET CLOVER FOR SEED

(Continued from Page 3)

using a side delivery rake or it can be cut with binders and cured in small shocks. To save sweet clover for feed under conditions prevailing this year, the greatest return can be secured by ensiling the crop.

According to O. M. Kiser, of the Animal Husbandry Department at the Northwest School and Experiment Station, Crookston, the Northwest Experiment Station has had some experience in successfully using sweet clover for silage. In the summer of 1938, the Northwest Experiment Station, in cooperation with the Division of Dairy Husbandry, University Farm, St. Paul, put twenty-five tons of sweet clover in one of the station silos. Sweet clover is high in protein and low in its carbohydrates content; therefore, when put into a silo, some material rich in carbohydrates such as corn meal, straw, molasses, etc., must be added in order to produce a proper fermentation for a good quality silage. To each ton, molasses at the rate of approximately seven gallons, was added at the time the sweet clover was run through the silage cutter. It was allowed to flow (gravity system) onto the green forage about eighteen inches in front of the cutter rollers. The cost of molasses per ton of silage was about one dollar. Five gallons of molasses per ton is a sufficient amount to produce a first class silage.

The Northwest Station will this year put about 75 tons of sweet clover for silage. Past experience indicated that it would be best to have the molasses enter directly into the blower. When the molasses drops in front of the cutter roller, unless there is a constant flow of green feed into the roller, molasses will be wasted.

At the Northwest Experiment Station, in the winter of 1938-39, the molasses sweet clover silage was used in a comparative feeding trial with corn silage. Two groups of three mature Holstein cows each were used. This trial extended over a period of 112 days. The double reversal plan of conducting the trial was followed; there were twenty-eight days in each period and each group was twice subjected to rations containing each of the silage. The two groups of cows were fed alike except for the kind of silage included; in one molasses sweet clover silage was fed while the other contained an equivalent amount on the dry matter basis of corn silage.

From the trial it was apparent that the sweet clover silage was palatable as both groups of cows ate liberal amounts of it. The average daily consumption of molasses sweet clover silage per cow was 33.4 pounds. There was no difference between the two silages in their effect on production. The amount of milk and butterfat produced was almost exactly the same for both rations.

This experiment indicated quite conclusively that the sweet clover crop may be made into silage in the manner previously described and used successfully in the dairy rations. Ensiling, therefore, affords a satisfactory method

(Continued in Col. 2)

### ALUMNI REUNION WELL ATTENDED

(Continued from Page 1)

and pictures from thirty-two of the class members.

Ball games with mixed groups of alumni and former students furnished the entertainment for the afternoon with the faculty and alumni kittenball game climaxing the sports program. The alumni with the Weckwerth brothers battery won the kittenball game with the score of 12 to 2.

The annual meeting of the Northwest School Alumni Association was held on Saturday evening with Howard Balk of Bagley, president of the Association, presiding. The alumni association voted to continue two scholarship awards of twenty-five dollars each to one member of each of the freshmen and junior classes, the basis for awards to be left to the Northwest School faculty. The Alumni Association approved the suggestion of having three consecutive class groups unite each year for their reunion and follow a schedule whereby their reunions would occur each ten years.

The new officers elected for two-year terms were Arthur Grove, Roosevelt, president, and Clarence Sargent of Crookston, secretary.

The Alumni Reunion dance and party, held in the gymnasium, closed the program for the day.

### 1234 ENROLLED FOR 4-H CLUB WEEK

(Continued from Page 2)

ern counties)—Virginia Larson, Becker; Adeline Melby, Clay; Mary Louttermanson, Mahnomen; Nancy Kingzett, Norman; Darlene Glass, West Polk. Blue Ribbon winners in the boys' Better Groomed contest were: (northern counties)—Billy Holmes, Pennington; Keith Ziegler, Kittson; Willard Purath, Red Lake; Vernon Mathison, Kittson; Willard Swanson, Pennington; Fred Sorenson, Lake of the Woods; Winton Wenner, Roseau; Norman Jacobson, Red Lake; Lloyd Carlson, Marshall. (Southern counties)—Lester Stine, Clay; Tommy Biseks, Mahnomen; Korman Houglum, Norman; Leonard Sundberg and Dale Lindall, East Ottertail; Paul Gredvig, East Polk.

In the recreational program leaders were highly pleased with the plan whereby each student was permitted to participate in a number of athletic events. Each student was given instructions in playing a variety of sports whereby he could inaugurate a sports program in his home club.

Specialists in home economics, crops, livestock, shop and conservation courses gave the boys and girls up to the minute information on practical phases of all club projects.

### Method of Using Sweet Clover for Feed

(Continued from Col. 1)

of storing and saving the crop. The results showed that due to its higher moisture content, sweet clover silage must be fed in larger amounts than corn silage, if the same amount of energy is supplied. Because of its relatively high protein content, sweet clover silage should prove helpful in supplying this nutrient in rations where low protein roughage is fed.

## PERSONALS

\*\*\*Clayton Marrs, Sp. 1921-22, visited the Northwest School campus on July 8. He is employed as assistant cashier at the Great West Life Insurance Company, Minneapolis, Minnesota.

\*\*\*Former superintendent and Mrs. C. G. Selvig arrived in Minnesota on July first to make their home during the summer months at their cottage near Cass Lake, Minnesota. Mr. and Mrs. Selvig now live in Santa Monica, California.

\*\*\*Esther Dalager, '33, visited the campus on July 19. She is employed as a nurse at Detroit Lakes, Minnesota.

\*\*\*Lloyd R. Chapman, '32, of Crookston, is enrolled in the University of North Dakota summer flight training school. This course is sponsored by the Civil Aeronautics Authority.

\*\*\*Miss Valura Kinnan, '19, recently returned from Europe and is visiting with her sister in Crookston. Miss Kinnan has served as a foreign missionary for a number of years. She was one of the victims rescued from the Zamzam, Egyptian boat sunk by a German raider when in mid-ocean.

\*\*\*Donald Forfang, '39, is employed by a railway company in Oakland, California. His address is 447-65th Street, Oakland, California.

\*\*\*Rishton Bedard, '31, and Matt Jansen, '40, both of Hallock, are in training in the U. S. Army and stationed at Camp Polk, Leesville, Louisiana. They left Hallock on June 27 and were stationed at Fort Snelling for a short time before leaving on July 3 for Camp Polk. Winston Johnson, '38, is also in training at Camp Polk, leaving for camp the latter part of June.

### MARRIAGES

\*\*\*Hazel Dahlgren, '31, of Kennedy to Mr. Lloyd Steien of Lancaster on June 29. They will make their home at Lancaster, Minnesota.

\*\*\*Evelyn Vilven, '36, of Crookston, to Mr. Elmer Burnett of Mahnomen on June 15. They will live at Mahnomen, Minnesota.

\*\*\*Evelyn Ramstad, Sp. to Clifford Thomforde, Sp., on June 11, at Crookston.

\*\*\*Paul Billberg, '35, of Greenbush to Miss Clarice Harriet Boyum, on June 7, at Greenbush.

### Births

\*\*\*To: Mr. and Mrs. Reynold Johnson (Reynold, '32) a son, Dick Lynn, on June 18.

\*\*\*To: Mr. and Mrs. Harvey Pederson (Harvey, '40, Dorothy Turner, Sp.) a son on May 10 at Humboldt, Minnesota.

### 400 ATTEND FIELD CROPS DAY

(Continued from Page 1)

Krantz (potato breeding).

Mr. L. E. Longley, horticulturist at University Farm, St. Paul, addressed the afternoon women's meeting on the subject "Growing of Flowering Plants in the Home and Gardens."

PLAN TO ATTEND COMBINE DAY,  
JULY 30