

Northwest School News

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NUMBER 3

June Events: Women's Camp - 4-H Club Week Alumni Reunion - Hay Day

Alumni Reunion—June 27

Alumni and former students will gather at the Northwest School on Saturday, June 27, for their annual reunion. While the five-year class reunions of classes graduating in years ending in three and eight are featured at the Alumni Reunion, yet members of all classes and former students are urged to attend this get-together. With a number of the members of the 1913 class in nearby localities, the 1913's should break all records of attendance on a basis of percentage of any of the classes holding reunions. The 1916 class has the best reunion record of any of the classes to date.

A number of alumni have been following the suggestion made one year ago that a series of "round-robin letters" between members of the class be started in which plans can be made for the class reunion.

Alumni Association President David Short, who has now moved to Illinois, indicates that he cannot be present at the reunion this year and is asking Vice-President Harry Brantner to take over as high ranking officer of the Alumni Association.

A feature of the program for the reunion groups this year will be a conducted tour of the School and Experiment Station.

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Miss Dorothy Holland, home economist for the Kraft Foods Company of Chicago, will present food demonstrations at the Women's Camp on June 9 and 10.

Cattle Feeding Trial Results Announced

The annual Cattle Feeders' Day at the Northwest School and Experiment Station, held on April 23, was well attended by farmers and others interested in the cattle feeding trial.

The Cattle Feeding Trial of 24 head of Hereford steers was of unusual interest this year because a Red River Valley product—dried sugar beet pulp—was fed in different amounts in the feeding ration. The cooperative feeding trial was directed by H. D. Fausch, animal husbandman at the Northwest School and Experiment Station, with L. J. Sumption of the school staff as assistant.

Prominent leaders in livestock and sugar beet production who took part in the cattle feeders' program were E. F. Ferrin, chief of the Department of Animal Husbandry; A. L. Harvey, in charge of beef cattle investigations, and H. J. Sloan, director of the Minnesota Experiment Station, all of University Farm, St. Paul. O. A. Holkesvig, manager of the American Crystal Sugar Company, East Grand Forks, represented his company as cooperator in the project. H. D. Fausch and L. J. Sumption explained the results of the 1952-53 feeding trial and conducted the tour of the feeding lots.

Mr. Fausch stated, "The Purpose of the 1952-53 trial was to determine what proportion of the grain ration could profitably be replaced with the dried beet pulp." The average initial weight of steers in the four lots averaged 773 lbs., and the final average weight was 1221.5 lbs. for an average increase in weight for all steers of 448.5 lbs. The steers were divided into four lots with Lot I receiving the basic grain steer fattening ration without beet pulp; Lot II feeding ration was 2/3 basic grain ration and 1/3 beet pulp; Lot III, 1/2 basic grain ration and 1/2 beet pulp, and Lot IV, 1/3 basic grain ration and 2/3 dried beet pulp. All lots were given their feed free choice, good alfalfa hay free choice, and all steers were fed one pound of soybean meal daily.

In summarizing the results of the trial, Mr. Fausch pointed out that: (1) Lot II made the greatest average daily gain of 2.47 lbs, and steers fed in Lot I made the lowest average daily gain of 2.18 lbs.; (2) Steers in Lot III had the highest evaluation and highest slaughter grade (all choice) at the end of the feeding trial; (3) That

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Interesting Program Arranged For Women's Camp

The twenty-eighth annual Women's Camp at the Northwest School of Agriculture will be held June 8 through 11. Advance registrations for the 1953 camp indicate that 150 women from the Red River Valley counties of Minnesota and North Dakota will be in attendance.

Miss Retta Bede, camp leader and head of the Home Economics Department at the school, announces that the three-day camp is a homemaker's vacation. Outstanding speakers and demonstrators will appear on the program daily with periods for handicraft, recreation, and entertainment.



Miss Bede

Miss Dorothy Holland, nationally known foods demonstrator from the Kraft Foods Company of Chicago, will demonstrate cheese food dishes. Other subjects to be presented include refinishing of furniture, a "fix-it" forum, current health problems, and handicraft. Handicraft offered by authorities in their fields include rug making, lamp shade making, and woodcraft. Mrs. Ray Peterson of Grand Forks, North Dakota, an outstanding instructor in the art of rug making, will conduct the handicraft work in that department. Miss Charlotte Kirchner of the home economics section of the Agricultural Extension Division, University Farm, St. Paul, will direct the handicraft work in the making of lamp shades. A. M. Foker will be assisted by H. W. Soderburg in the woodcraft offered to members of the Women's Camp. Feature and educational films will be shown during the week. Swimming in the indoor pool, always a popular form of recreation, will again be under the supervision of a competent instructor.

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4-H Club Week To Be Held June 15-20

The annual 4-H Club Week for club members of the fourteen northwestern Minnesota counties will be held at the Northwest School of Agriculture during the week of June 15-20.

4-H Club members will attend camps in two groups with the southern county members attending June 15-16-17 and the northern counties, June 18-19-20. The counties included in each camp are: Southern Valley counties — East and West Otter Tail; Clay, Becker,

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Northwest School News

Issued by
THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE

T. M. McCall, Superintendent
Northwest Experiment Station
OFFICE
Crookston, Minnesota

This publication issued six times a year;
bi-monthly.

Dairy Research Workers Hold Annual Conference

The annual conference of workers in dairy research of the Minnesota Experiment Station, University of Minnesota, was held at the Northwest School of Agriculture and Experiment Station on May 8 and 9.

More than thirty research and Extension Division workers were present for the conference. The delegation from the dairy division of the Institute of Agriculture, University Farm, St. Paul, was headed by Professor J. B. Fitch, head of the Department of Dairy Husbandry, who presided at the sessions. Other men from the Department of Dairy Husbandry taking part on the program included Professors W. E. Peterson, A. W. Gullickson, H. W. Thoele, G. B. Marion, Ithel Schipper, and J. D. Donker. M. H. Fohrman, in charge of dairy experimental work for the United States Department of Agriculture at the Bellesville Station in Maryland, spoke on the subject, "What is New in Dairy Cattle Breeding Research." Professor Jesse Williams, head of the Department of Dairy Husbandry, and some of his members of staff were present for the two-day conference.

H. D. Fausch, animal husbandman at the Northwest School and Experiment Station, and L. J. Sumption, assistant, took part in the round-table discussion on hay silage. O. C. Soine, agronomist at the Northwest School and Experiment Station, spoke on pasture and hay in Northwestern Minnesota. Superintendent T. M. McCall and H. D. Fausch led the dairymen on a tour which included the Sunset Acres Jersey Farm owned by O. A. Flaatt at Grand Forks, North Dakota.

4-H CLUB WEEK

(continued from page 1)

Mahnomen, Norman and East Polk, June 15-16-17; Northern Valley counties—Kittson, Roseau, Lake of the Woods, Marshall, Pennington, Red Lake, West Polk and Clearwater, June 18-19-20.

More than six hundred 4-H club members are expected for the 4-H Club Week. The latest instruction in 4-H Club projects will be given at the club week by members of the state 4-H club department with Osgood Magnuson and Miss Evelyn Harne of the St. Paul office as leaders, assisted by members of the Northwest School teaching staff, county agricultural agents, county home agents, and county 4-H club agents.

Crop Rotation Plus Fertilizer Equals Profit

O. C. SOINE

What farmer in Minnesota would turn down a 144 per cent increase in alfalfa and brome hay plus a 47 per cent increase in corn, one and two years after applying commercial fertilizer to his field? This can be done by fertilizing the rotation so that each individual crop will utilize the residual effect of the fertilizer. This was revealed by data collected this past year from rotation fertilizer trials conducted at the Northwest School and Experiment Station at Crookston, Minnesota.

There are two methods employed by farmers in applying commercial fertilizers to their crops. Perhaps most farmers apply fertilizer to the main cash crop hoping to realize the most benefit the first year. The second method is the most economical because the farmer fertilizes the entire rotation by applying the fertilizer to the grain crop when the field is seeded down to a legume crop. By this method, both the grain and legume crops are fertilized and the carry-over effect will be noted in the legume crop the second and even the third year after the initial application. By plowing under this increased stand of legumes more organic matter will be added to the soil which, in turn, will benefit the next cultivated crop.

A crop rotation and fertilizer study was started at the Northwest School and Experiment Station three years ago and consists of a three-year rotation of corn, oats (seeded down to alfalfa and brome) and alfalfa and brome hay. The different fertilizers were applied to the oat crop in the spring of the year when the plots were seeded down to alfalfa and brome. The different fertilizers used and the results obtained are given in Table I.

Table I. Residual Effect of Fertilizer on the Field and Protein Content of Alfalfa and Brome in a Three-Year Rotation of Corn, Grain, Alfalfa and Brome. Fertilizer applied in the Spring of 1951 and Forage Yields Taken in 1952.

Treatment	Average of 2 Cuttings	
	Hay Yield lbs.	Protein Content per cent
Check (no fertilizer)	1835	14.7
Increase in Yield and Protein Due to Fertilizer		
N-P-K		
0-60-0	2329	1.8
20-60-0	2638	0.6
20-60-60	889	1.9

Even though the fertilizers were applied in the spring of 1951, there was enough residual effect from the fertilizer to produce an average increase of alfalfa and brome from 47 to 144 per cent over the plot which received no fertilizer. The average yields of hay for the 2 cuttings show that the N-P combination produced the highest increase, 144 per cent over the check plot, while the N-P-K combination produced the lowest increase.

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Tractor Maintenance Course Held April 1

A one-day Tractor Maintenance Refresher Course was held at the Northwest School on April first in place of the three-day Tractor Maintenance Short Course which has been held for 4-H club boys during the past several years. It was deemed advisable by the 4-H Club Department of the Agricultural Extension Division and the educational directors of the Standard Oil Company, Duluth Branch, to give a refresher course to former tractor maintenance club members.

Club members attending the refresher course had been designated by their various county club agents as counselors and advisers to boys enrolled in the Tractor Maintenance Project. Each of the Red River Valley counties was represented at the refresher course with from two to five club members and their county agricultural agents. William Barron, instructor in agricultural engineering at the Northwest School, was in charge of the local arrangements for the Tractor Maintenance Refresher course. In addition to Mr. Barron, other instructors were: Osgood Magnuson, district 4-H club supervisor of St. Paul; Donald Bates, agricultural extension engineer of University Farm, St. Paul and William Koch of the Standard Oil Company, Duluth Branch.

CROP ROTATION

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The protein content of the hay was also increased by the residual effect of the various fertilizers. The alfalfa and brome hay on the N-P-K plot contained 16.6 per cent protein as compared to 14.7 per cent on the check plot. Certainly, hay containing 16.6 per cent protein is high quality feed for livestock.

In the second part of this experiment the various fertilizers were applied in 1950, and the second crop of alfalfa and brome was plowed under in the fall of 1951. In the spring of 1952 these plots were planted to corn, and the results are given in Table 2.

Table II. Residual effects of fertilizers on the Yield of Corn. Yields Taken in 1952 and Based on 15.5 per cent Moisture.

Treatment	Yield fertilizers		Increase due to residual effect of fertilizers
	bu.	bu.	
Check (no fertilizer)	35.8		
N-P-K			
0-60-0	52.2	16.4	
20-60-0	52.2	16.4	
20-60-60	52.7	16.9	

There was very little difference in the yield of the corn from the three different fertilizers, but a 16.4 to 16.9 bu. increase in yield over the check plot, due solely to the residual effect of the fertilizer, is a significant increase. This is equivalent to a 47 per cent increase in yield. Considering the fact that the initial application of the fertilizers took place over two years ago, one can truly

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STUDENTS RECEIVE SPECIAL AWARDS AT COMMENCEMENT EXERCISES

Dr. James L. Morrill, president of the University of Minnesota, delivered the Commencement address at the 45th annual Commencement at the Northwest School of Agriculture on March 26. One hundred diplomas were given to graduates from the Red River Valley counties of Minnesota and North Dakota. Superintendent T. M. McCall presented medals, trophies, and scholarship awards to students making outstanding achievements during both the past year and for the four years.

Robert Hausmann of Hillsboro, North Dakota, valedictorian, was presented the scholarship medal and plaque; Darrel Hausmann, brother of Robert, received the medal for salutatorian.

Ronald P. Olson of East Grand Forks received the Citizenship Award for boys. Elaine Thureen of East Grand Forks received the Citizenship Award for girls and the O. W. Peterson Memorial Fund award, a gold medal, for greatest progress and achievement in voice. Students receiving honorable mention in Citizenship were: Estelle Flatten, East Grand Forks, and Duane Halstenggaard of Fertile. The medal and trophy for Speech and Dramatics

was awarded Edward Graham of Petersburg, North Dakota. Donna Miller of Crookston won the Caleb Dorr Progress award, a gold medal, in piano instruction.

Caleb Dorr Progress Scholarship awards, amounting to \$30.00 each, were presented to a boy and girl in each of the three lower classes. Caleb Dorr scholarship winners were: FRESHMEN—Barbara Hylland, Grygla; Donald Diedrich, Warren; SOPHOMORES—Marilyn Balstad, Fosston; Willis Finifrock, Barnum; JUNIORS—Adelle Larson, Twin Valley; Neal Bjornson, Arvilla, N. Dak. Students receiving honorable mention in the Caleb Dorr awards were: Walter Anderson, Stephen, and Arlene Christianson, Goodridge—Freshmen; Mardell Boyum, Mentor, and Donna Miller, Crookston—Sophomores; Paul Bergeson, Fertile, and Mary Benson, Grygla—Juniors.

Scholarship certificates were awarded to students who have been on the Honor Roll for four consecutive semesters, and these were presented to: Adelle Larson, Twin Valley; Paul Bergeson, Fertile; Mary Benson, Grygla, and Ronald Olson, East Grand Forks.

Six Students Earn Straight 'A' Average For Honor Roll

Students from the Red River Valley counties attending the Northwest School of Agriculture made excellent scholastic records for the winter term which ended March 26.

115 students made the Honor and High Scholarship rolls. Six of the fifty students on the Honor Roll made straight "A" averages, and these included: Arlene Christianson, Goodridge; Donald Diedrich, Warren, and Barbara Hylland, Grygla—Freshmen; James Olson, Reynolds, N. Dak.—Sophomore; Grant Johnson, Hazel, and Adelle Larson, Twin Valley—Juniors.

Others on the Honor Roll (2.50 points or above) included: FRESHMEN—Rosemary Auer, Waubun; Dell Christianson, Thief River Falls; Kathryn Clementson, Erskine; Ruth Iverson, Goodridge; Wesley Motschenbacher, Sabin; Fred Ophus, Erskine; Muriel Setterholm, Stephen; SOPHOMORES—Marilyn Balstad, Fosston; Mardell Boyum, Mentor; Wayne Erickson, McIntosh, Glenn Filipi, Angus; Willis Finifrock, Barnum; Harlene Hagen, Gatzke; Lowell Hanson, Mahnomen; Henry Hettwer, Mahnomen; Stanley Johnson, Menahga; Bernice Jones, Goodridge; Barbara Kagg, Viking; Marlys Love, Euclid; David Mickelson, Menahga; Donna Miller, Crookston; Kent Omdahl, Warren; Jimmy Paulson, Trail; Robert Strandberg, Argyle; Paul Tollefson, Beltrami; Donald Wald, East Grand Forks; JUNIORS—Mary Benson, Grygla; Paul Bergeson, Fertile; Neal Bjornson, Arvilla, N. Dak.; Elmer Halstenggaard, Bejou; Richard Kluzak,

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HONOR ROLL

(continued from column 1)

East Grand Forks; Norma Nielsen, Hackensack; Merlin Skretvedt, Gary; SENIORS—Richard Donahue, Manvel, N. Dak.; Estelle Flatten, East Grand Forks; Dorothy Flesche, Reynolds, N. Dak.; Duane Halstenggaard, Fertile; Robert Hausmann, Hillsboro, N. Dak.; Janave Moser, Salol; Gloria Paseka, Georgetown; Mildred Peterson, Plummer; Joanne Porter, Grandin, N. Dak.; Richard Swenson, Angus; and Elaine Thureen, East Grand Forks.

Students on the High Scholarship Roll (2.00 points to 2.49 points) included: FRESHMEN—Walter Anderson, Stephen; Arnold Balstad, Winger; Leo Bettels, Mahnomen; Sadie Carlson, Roseau; Leon Driscoll, East Grand Forks; David Eblen, Halstad; Donald Enright, East Grand Forks; Larry Freeland, Cummings, N. Dak.; David Goosen, Euclid; Gerald Green, Gary; Gordon Hanson, Callaway; Marilyn Hovet, Thompson, N. Dak.; Sylvia Jensen, Stephen; Theone Larson, Twin Valley; Carol Lindstrom, Park Rapids; Janice Michaelson, Euclid; Marlys Molskness, Crookston; Donald Murphy, Reynolds, N. Dak.; Ronald Nesland, Thompson, N. Dak.; Clarice Olson, Crookston; Gerald Roberts, East Grand Forks; Larry Solberg, Winger; Harley Thureen, East Grand Forks; SOPHOMORES—Leonard Bailey, Halstad; Clinton Balstad, Winger; Dorene Bergeson, Clearbrook; David Boman, Arvilla, N. Dak.; Madonna Boucher, Crookston; Donald Craigmile, Hallock; Sylvester Greskowiak, Crookston; John Hoper, Stephen; Margie Iwen, Arthur, N. Dak.; Henry Landin, Warroad; Jimmy Pearson, An-

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More Than 300 Enrolled In Home Project Work

Summer home project work will be occupying much of the time of more than 300 Northwest School students during the spring and summer months. Home project work is an important phase of school work at the Northwest School of Agriculture. The main objective of summer project work is to get the boys and girls to put into practical application the things they have learned in the class room during the school year. The training in starting a project in homemaking or in some agricultural subject, in which the student has to see through the project until it is completed and take full responsibility for it, is of inestimable value.

In addition to the self-training which is a very major benefit of home project work, a student gets school credit on the basis of accomplishments and quality of work performed. Summer home project credit is necessary for graduation. The student who starts in as a freshman at the Northwest School is required to carry on three summers of summer home project work. Transfer students from high schools may use extra earned credits in lieu of home project credits.

Students in home project work may also enroll in 4-H club work with the same projects. The school projects generally demand more than is required for the 4-H club project report. With the advance instruction given to the students by the members of the faculty, who are leaders in the various home projects, and the two or more check-up visitations made by the Home Project Supervisor, Northwest School students have a reputation for a very high percentage of completion of projects.

CATTLE FEEDING TRIAL

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at least 2/3 of the grain ration can be made up of dried beet pulp without sacrificing rate of gain or economy of grain. Beet pulp is a palatable feed for beef cattle and tends to keep up the appetite so that the daily feed intake is increased. While all lots of steers were fed at a loss due to falling prices, yet information gained is of great value to cattle feeders, sugar beet producers and processors.

Copies of the 1952-53 cattle feeding trial results are available at the Northwest School and Experiment Station, Crookston, Minnesota.

WOMEN'S CAMP

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Officers of the 1953 Women's Camp organization are: Mrs. Walter Nyquist, Moorhead—president; Mrs. Robert Rutherford, Euclid—vice-president; Mrs. Otto Haarstad, Newfolden—secretary; Mrs. Grace Cook, Middle River—treasurer; and Mrs. Adolph Brule, Crookston, sergeant-at-arms.

Weather Summary

O. C. SOINE

According to records kept at the Northwest School and Experiment Station, the total precipitation for the first four months of this year is slightly above the 50-year average for this same period, but the subsoil moisture is still below normal due to the dry fall of last year. The spring moisture has been adequate for germination of small grains and these crops are making good growth at the present time. Old established fields of alfalfa and other hay and pasture crops will need more moisture to produce good yields of pasture and hay.

During the first half of May the precipitation has measured 1.16 inches which is about the normal amount for this period.

The low temperatures during the second week of May caused some damage to the cereal grains. Oats seemed to sustain the greatest amount of damage in this general area. Some of the early seeded flax froze but a limited acreage of this crop had emerged at the time of the frost. Severe damage was done to the early seeded beet crop and much of this acreage will have to be reseeded.

The lowest temperature of 25° was recorded on May 13 and a low of 26° was recorded for May 12. The average date of the latest killing frost in this area is May 19.

The total precipitation is given in the following table for the first four months of 1953 compared to the 50-year average.

	1953	50-year average
January	0.67 inch	0.54 inch
February	0.41 "	0.67 "
March	0.77 "	0.83 "
April	1.91 "	1.62 "
	3.76 inches	3.66 inches
May 1-16	1.16 "	

HONOR ROLL

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gus; Ardell Sherry, Angus; Arnold Skeie, Winger; LeRoy Sondrol, Reynolds, N. Dak.; Donald Taus, Angus; Jean Vanek, Angus; JUNIORS—David Gray, Twin Valley; Lorraine Hasbargen, Menahga; Nancy Miller, Shelly; Dale Nesland, Thompson, N. Dak.; Ronald Schoenborn, Beaulieu; Gordon Syverson, McIntosh; SENIORS—Gelene Balstad, Winger; Geraldine Clasen, Salol; Robert Dahl, Kennedy; Larry Dallum, Oslo; Arthur Grove, McIntosh; Helen Gustafson, Oklee; Darrell Hausmann, Hillsboro, N. Dak.; Maynard Helgaas, Beltrami; Ralph Jensen, Reynolds, N. Dak.; Dayle Kainz, Goodridge; Robert Kresl, Angus; Loren Nelson, Clearbrook; Evelyn Nordquist, Hawley; Ronald Olson, East Grand Forks; Helen Overgaard, Dalton; Paul Specht, Mahanomen; LaVerne Stromstad, Beltrami; Doris Tollefson, Beltrami; Francis Turgeon, Oklee; and Virginia Webster, St. Vincent.

Northwest School Briefs

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

***Donovan E. Grenier of Red Lake Falls, senior in technical agriculture in the College of Agriculture, University of Minnesota, was recently awarded the F. J. Peavey and Company-VanDusen Harrington Company undergraduate scholarship of \$300.00.

***Glen Torkelson of Crookston was recently elected president of the Junior and Adult 4-H Leaders' Council of West Polk county.

Marriages

***Eileen Sollom to Raymond Sorvig on May 2 at Lafayette, California. They are making their home in Los Angeles, California.

***Mr. and Mrs. O. H. Kjorlie of Fargo, North Dakota, have announced the approaching marriage of their daughter Jean Kathryn Kjorlie to Arland Keith Miller on Friday, June 5, at the First Lutheran Church, Fargo, at 8:00 P.M. Miss Kjorlie has been a member of the English faculty at the Northwest School for the past several years.

Births

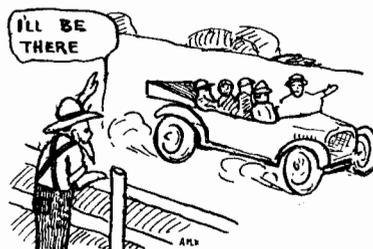
***To Mr. and Mrs. Emory L. Cameron (nee Margaret Forfang) of Hallock, a daughter, Colleen Kaye, on January 23.

***To Mr. and Mrs. Allen Hovland (nee Agnes Johnson), of Fosston, a son, on November 23, 1952.

***To Mr. and Mrs. Dennis Carpenter (nee Patricia Erickson), a son, Curtis Clyde, on April 2. The maternal grandmother is Mrs. Art Erickson (nee Evelyn Bain, '29).

Deaths

***Rosalind Friday of Hawley, member of the class of 1923, passed away at a Fargo hospital on May 14. Funeral services were held at Hawley on Sunday, May 17. Superintendent and Mrs. T. M. McCall attended the funeral service. Alumni and Northwest School friends who attended the funeral included: Mr. and Mrs. George Green (Johanna Nabben), St. Thomas, N. Dak.; Mr. and Mrs. Jay Moses, Pelican Rapids; Mr. and Mrs. Harold Nelson, Hawley (Harold Nelson was soloist at the funeral). Mrs. Fred Zimmerman (Clarissa Friday) of Jefferson, Ohio, sister of Rosalind, returned to Hawley for the funeral service. Rosalind Friday last visited the school at the time of the Alumni Reunion and Selvig Hall dedication on June 30, 1951.



PLAN TO ATTEND
ALUMNI REUNION—JUNE 27

Hay Field Day Scheduled

Latest methods of putting up both hay and grass silage will be demonstrated at the Minnesota Hay Field Day to be held at the Northwest School and Experiment Station, Crookston, on June 23. The program will be sponsored jointly by the University of Minnesota Institute of Agriculture, Northwest School and Experiment Station, and The Farmer Magazine of St. Paul. Arrangements are being made to accommodate several thousand visitors expected to witness the demonstrations.

Tentative plans call for morning and afternoon sessions devoted to demonstrations of haying and silage making methods in the field. All leading makers of hay making and grass and hay chopping machinery will be on display and demonstrated under field conditions on an Experiment Station field.

The noon program will feature a talk by Will M. Myers, head of the University Department of Agronomy and one of the world's top authorities on forage crops. In addition, a panel of forage crop experts from the University of Minnesota and North Dakota Agricultural College and from Red River Valley farms will discuss haying and silage problems.

ALUMNI REUNION—JUNE 27

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ment Station. Many of the alumni have expressed regret that they have not had opportunity to see the nature and scope of the research projects in progress at the Experiment Station. The alumni groups are asked to bring their picnic dinners and suppers; the school will again furnish the coffee, cream and sugar for the picnicking groups.

The Alumni Association meeting and dance will be held in the school's gymnasium at 8:00 P.M. The traditional prizes given by the Alumni Association will again be awarded to the alumnus traveling the greatest distance, to the oldest member of the earliest graduating class, and to the most recently married couple.

Reunion committees have been appointed. Alumni and former students asked to serve on the various committees include the following: **Decorations**—Glen Torkelson, chairman, Wm. Barron, Jr., George Hendrickson, Ronald Vietor, Larry Dallum, Bruce Kramer, David Short, Donna Miller, Mary Baird, E. N. Reiersgard, H. D. Fausch, A. M. Foker, H. W. Soderburg; **Entertainment**—Armin Ross, chairman; Clarence Sargent, H. H. Lysaker, Rodney Mosher; **Reception and Registration**—Berneil Nelson, chairman; Perry Brantner, Miss Retta Bede, T. M. McCall, C. D. Whiting; **Publicity**—T. M. McCall, Perry Brantner; **Admissions**—Michael Harty, chairman; Martin Rud, Elvin Moran, Wm. Barron, Sr., A. M. Pilkey; **Experiment Station Tours**—O. C. Soine, B. C. Beresford, H. D. Fausch, A. M. Pilkey; **Refreshments**—E. N. Reiersgard, R. E. Hullinger.

CROP ROTATION

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say "Crop Rotation plus Fertilizer equals Profit."