

Northwest School News

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NUMBER 2

ALUMNI REUNION TO BE HELD JUNE 29

The Alumni Reunion will be held at the Northwest School on the afternoon and evening of Saturday, June 29, according to Charles Holmquist, class of '52, president of the Northwest School Alumni Association.

The reunion will be featured with special events again this year. All of you remember the Golden Anniversary of the school last year and the honoring of former superintendent T. M. McCall, upon his retirement, at this event. This year, we will again have a distinguished member of the faculty retiring; namely, Miss Retta Bede, who has been with the school since July, 1925. A special request is made for as many girls as possible to be back for the Reunion. An extra special request is made for the classes of 1929 and 1950 to be present; Miss Bede serv-

ed as one of the faculty advisers for these two classes.

Committee appointments that have been made, to date, to serve at the Reunion are: Entertainment—Mrs. G. Milford Peterson, Mrs. Wm. E. Barron, and Mrs. Myrtle Brown; Decorations—H. H. Lysaker, H. W. Soderburg, and E. C. Miller; Ticket Sales at Dance—O. C. Soine, Jaroslav Kruta. The orchestra to play for the evening dance will be the John Schiller Ramblers.

Former students and alumni in and around Crookston are invited to come in and help with the decorations the week of the reunion. We also invite suggestions for a program for the day. If you have ideas, write E. N. Reiersgord, Registrar, Northwest School—general chairman.

—by E. N. Reiersgord, Registrar



Miss Retta Bede to Retire From Staff, July 1

Miss Retta Bede, instructor in home economics and preceptress of the girls' dormitory, will retire as of July 1, 1957, after thirty-two years of continuous service at the Northwest School of Agriculture.

Her boundless energy and keen wit will be missed by her colleagues on the staff. Miss Bede represented the highest and best in precept and example to the many girls who have lived with her under dormitory life. This will be missed by all who have had the privilege to serve under her guidance. Through the years, she has served as supervisor and adviser of the Home Management house, which is located in the Home Economics building. This Home Management activity is for senior girls and was built up, by Retta Bede, from a very small beginning to an educational activity of very high caliber.

Miss Bede is well known in Northwestern Minnesota as a judge of home economics exhibits at county fairs, at 4-H achievement days, and other events. Through the years, she has also assisted with numerous 4-H club county summer camps throughout the Red River Valley.

She has served as the Women's Camp leader in the Women's Camp that has been held at the Northwest School annually for thirty-one years. The first such camp was held in 1926.

Certainly, the many girls who have come under the atmosphere of Miss Bede's guidance and counseling, and the many rural people who have had contact with her through the years, find their lives richer and better because of the influence of Retta Bede. It is with sincere regret that she retires at this time, and yet we rejoice with her for this time when she can enjoy life at a more leisurely pace. It goes without saying, her host of friends wish her the best in life ahead.

As in past years, Miss Bede plans to
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Several Buildings Provided By State Legislature

The State Legislature provided all of the requests amounting to a total of \$652,000 for building rehabilitation and new buildings made for the Northwest School and Experiment Station at the 1957 Legislative sessions. The breakdown is as follows:

Stabilization of brick buildings	\$100,000
Rehabilitation of Robertson Hall	145,000
Rehabilitation of Staff Housing	60,000
New Classroom Building	300,000
Pole Barn for Beef Cattle	6,000
Hog House	20,000
Seed Storage Building	12,000
Turkey Pole Barn	4,000
Horticulture Field Workroom	5,000

The farm buildings will provide much needed facilities for the needs of the expanding and changing agricultural research. The new classroom building will replace the Hill building. A local committee at the Northwest School is already busy preparing preliminary plans for the new classroom building which will probably be ready for use sometime during the school year of 1958-59.

The money provided for stabilizing building structures will be used to pump concrete under certain of the brick buildings to prevent the buildings from shifting around. Money provided for Robertson Hall will be used for new heating system, new washrooms, and such other refurbishing as may be needed to put the dormitory in good condition. This is just the first

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1957-58 Aggie Board Announced

The announcement of the editorial board for the school annual "The Aggie" for 1957-58 was a feature of the Senior Day program at the Northwest School on March 21.

Aggie board members will be: Arlene Bergh, St. Vincent, editor; Peggy Bjornson, Arvilla, N. Dak.—copy reader; Russell Gunderson, Buxton, N. Dak. and Barbara Thureen, East Grand Forks—faculty and administration; Sharon Hanson, Lockhart, and Ronald Filipi, Warren—activities; Peggy Bjornson and Lester Nielson, Gonvick—classes; Cheryl Haugen, Gilby, N. Dak., and David Carlson, Stephen—seniors; Ray Anderson, East Grand Forks, and Betty Straus, East Grand Forks—music; Mylo Carlson, Angus, and Lloyd Hoselton, Thompson, N. Dak.—sports; JoAnn Didrickson, Badger, and Yvonne Filipi, Angus—typists; Myron Rydland, Hatton, N. Dak. and Daryl Krogh, Hillsboro, N. Dak.—lay-out; and Keith Miller, Crookston, and Earl Sondrol, Reynolds, N. Dak.—advertising.

Faculty advisers to the Aggie Board are Leroy Field—context and art and E. N. Reiersgord—business.

4-H Members From 13 Counties To Attend 4-H Week

About 800 boys and girls from thirteen Red River Valley counties of Minnesota will attend 4-H Club Week which will be held at the Northwest School, June 3-7.

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Northwest School News

Issued Quarterly by
THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE

B. E. Youngquist, Superintendent
Office
Northwest School and Exp't. Station
Crookston, Minnesota

Beef Cattle Feeding Trials

Northwest Experiment Station,
1956-57

The beef cattle feeding trials conducted at the Northwest Experiment Station during the 1956-57 season were designed to test the effectiveness of two relatively recent introductions to the livestock feeding industry. Under investigation was: (1) the use of stilbestrol in beef fattening rations, and (2) the value of pelleting the grain mixture in fattening rations for beef steers.

Twenty-four medium grade yearling Hereford steers were allotted at random into four lots of six steers each. The feeding trial began on November 14, 1956, and terminated on March 27, 1957, a period of 133 days. The experimental rations fed were as follows:

- Lot I—Ground grain and alfalfa hay, free choice; 1 pound soybean meal per day.
- Lot II—Ground grain and alfalfa hay, free choice; 1 pound soybean meal plus 11 milligrams stilbestrol per day.
- Lot III—Pelleted grain and alfalfa hay, free choice; 1 pound soybean meal per day.
- Lot IV—Pelleted grain and alfalfa hay, free choice; 1 pound soybean meal plus 11 milligrams stilbestrol per day.

The grain mixture in all cases consisted of 70 per cent barley and 30 per cent oats. The soybean meal contained 44 per cent protein; and in Lots II and IV also contained 11 milligrams of stilbestrol per pound of meal.

The value of including stilbestrol in a ground grain ration can be determined by comparing the performance of the steers in Lots I and II. The stilbestrol-fed steers outperformed the steers receiving no stilbestrol as follows: daily rate of gain was improved by 0.24 pounds, feed efficiency by 15.55 pounds, and the margin over feed costs by \$4.92. The stilbestrol-fed steers required less grain to produce 100 pounds of gain, even though the average daily grain consumption was the same. The stilbestrol-fed steers consumed a larger amount of roughages, a cheaper source of nutrients.

A comparison of Lots III and IV does not indicate any benefits from the inclusion of stilbestrol in a pelleted grain ration. Steers receiving no stilbestrol outperformed the stilbestrol-fed steers by 0.27 pounds in daily rate of gain, 9.39 pounds in feed efficiency, and returned \$5.29 more per steer over feed costs. Grain consumption in the two

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MOISTURE—KEY FACTOR FOR PRODUCTION IN 1957

Moisture may be the determining factor for maximum crop production in this area for this coming crop season. Although some areas in the state received some late winter snow and substantial rain in the early part of April, there is a general need for rain throughout this entire area.

The supply of subsoil moisture was generally good early this spring due to the late rains in November and the early spring moisture. However, it has been seriously lowered since no substantial amount of rain has fallen during the last five weeks.

The early sown small grain crops have had sufficient moisture to germinate and are progressing satisfactorily. The pasture and hay lands are in need of moisture and would produce much more growth with adequate moisture.

From the weather records maintained by the Northwest School and Station, the precipitation for the past eight months has been 2.67 inches below normal. The supply of moisture from the winter snow was below average as well as the early spring rainfall. Six of the past eight months were below average in precipitation.

The following table shows the precipitation for the past eight months with the fifty-year averages.

	Precipitation 1956			
	Snowfall inch	Rain inch	Total inch	50-Year Av. inch
September	—	0.25	0.25	2.04
October	—	1.82	1.82	1.37
November	0.03	1.41	1.44	0.86
December	0.46	0.05	0.51	0.62
Precipitation 1957				
January	0.32	—	0.32	0.54
February	0.43	—	0.43	0.67
March	0.10	0.04	0.14	0.83
April	0.22	0.75	0.97	1.62
		Total	5.88	8.55

The summer months of May, June, July, and August will be the critical months as far as crop production and rainfall are concerned. The rainfall for this period represents 57 per cent of the total for the entire year and comes during the important growing season. The average rainfall for May is 2.73 inches and for the first half of the month here at the Northwest School only 0.61 inches has been recorded.

—by Dr. O. C. Soine, Agronomist, Northwest School and Experiment Station

F.F.A. Judging Events Held At Northwest School

Sixty-eight teams representing twenty-eight different high school Vo-Ag departments participated in a full day of judging events at the Northwest School and Experiment Station on April 16. The judging teams represented F.F.A. Chapters from twenty-eight schools in Northwestern Minnesota.

The teams and their advisers arrived on the campus about 8:30 a.m. and participated in dairy judging, general livestock judging, public speaking, and meats judging contests. The day's activities were topped off with a district banquet held at the First Presbyterian Church in Crookston. Superintendent B. E. Youngquist spoke on "The Look Ahead in Rural Life."

4-H MEMBERS TO ATTEND 4-H WEEK

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The first group of counties will attend the camp June 3-4-5 (a.m.), and include: Clay, Mahnomen, Norman, East and West Otter Tail, Clearwater, and East Polk. Counties attending the second group, June 5 (p.m.)-6-7, include: Kittson, Marshall, Pennington, West Polk, Red Lake, Roseau, Lake of the Woods, and Becker.

Beef Experts Speak At Cattle Feeders' Day

Cattle Feeders' Day was held at the Northwest School and Experiment Station on April 5. A capacity crowd filled the school library for the program which was opened by Superintendent B. E. Youngquist.

Robert E. Jacobs, popular beef cattle feeding expert, highlighted the speaker's program. Mr. Jacobs is Agricultural Extension animal husbandman with the Institute of Agriculture, University of Minnesota, St. Paul. He spoke on the latest trends in the use of forage and grain in beef cattle feeding. He spent considerable time reviewing the experimental work which has been done on feeding stilbestrol and other growth stimulants.

Carl Spong of the Central Livestock Association Inc., Fargo, brought greetings and commended the Northwest Experiment Station for continuous effort in cattle feeding work. He traced the development of the beef cattle feeding industry in the Red River Valley area and predicted considerable growth in numbers of cattle being fed because of the ready availability of forage and grain as well as close markets.

D. Reimer of the Animal Husbandry Department of the Northwest Experiment Station discussed the results of

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The 32nd annual Women's Camp will be held at the Northwest School, June 11-14. Officers for the 1957 Women's Camp are pictured above. Reading from left to right are: Mrs. Milton Gee, Moorhead—treasurer; Mrs. Frank Quigley, St. Vincent—secretary; Mrs. Bernhard Nelson, Newfolden—president; Mrs. Emil Dvorak, Angus—vice-president; and Mrs. Philip Dufault, Gentilly—sergeant-at-arms.

Commencement Exercises Held At Northwest School

Commencement exercises for 110 graduating seniors were held at the Northwest School on March 29.

Dr. Martelle L. Cushman, dean of the College of Education, University of North Dakota, gave the Commencement address; the invocation was given by the Reverend C. J. Fellger of Crookston. Allan Dragseth, of Eldred, valedictorian, gave the address for the class. "The Halls of Ivy" by Williams was sung by the school's mixed chorus under the direction of Mrs. LoAnn Kana, vocal music instructor; Miss Rose Marie Johnson, organist, of the music faculty, played the processional and the recessional.

Superintendent B. E. Youngquist awarded the diplomas to the graduates following the presentation of the class by E. N. Reiersgord, Registrar. Superintendent Youngquist also announced the Citizenship Award winners (James Weckwerth Memorial Award). This award is presented each year to one boy and one girl from the Senior class. The awards, a Citizenship pin and name engraved on the Citizenship plaque, were presented to Allan Dragseth of Eldred, senior boy, and Jean McWilliam of Winger, senior girl. Receiving Honorable Mention were Walter Fehr of East Grand Forks and Elvise Wold of Roseau.

Scholarship pins were awarded to Allan Dragseth, valedictorian, and Walter Fehr, salutatorian.

SEVERAL BUILDINGS PROVIDED BY STATE LEGISLATURE

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step in rehabilitating all of the old dormitories serving the School of Agriculture.

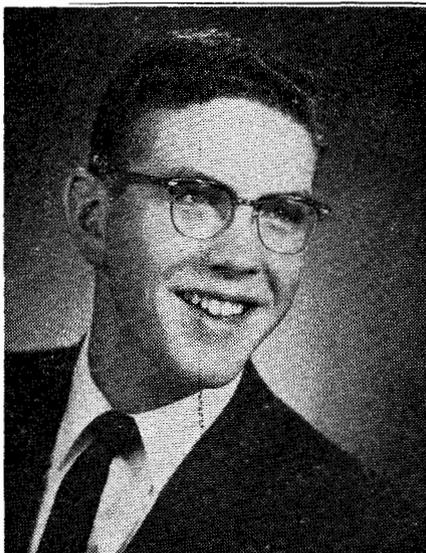
This appropriation, as you can well see, will provide advantageous facilities at the Northwest School and Experiment Station. The work on education, research, and service to the rural people of Northwestern Minnesota will thereby be improved in quality and quantity.

Interesting Program Planned For Women's Camp

The 32nd annual Women's Camp will be held at the Northwest School, June 11-14. The camp will open with registration on Tuesday afternoon, June 11.

An interesting program has been arranged with handicraft work, lecture-demonstrations on homemaking, entertainment and recreation for all in attendance at the camp. Handicraft work will be under the direction of Mrs. Mildred Sampson, Miss Marion Parbst, and H. W. Soderburg. Lecture-demonstrations will be presented by Miss Data Hochhalter, Earl Lutch, Mrs. Philip Hamre, Mrs. Ernest Zitzer, and A. O. Engen. Serving as camp leader will be Miss Retta Bede of the Home Economics Department. The total cost for board, room, and entertainment at the camp is \$9.00.

Women who are interested in attending the camp should write to the Northwest School, Crookston, for information regarding the camp or for a room reservation in the school dormitories.



Allan Dragseth of Eldred was the Valedictorian of the 1957 Senior class at the Northwest School. He is the son of Mr. and Mrs. Andy Dragseth, Eldred. He gave the valedictory address and received a medal award at Commencement exercises held at the school on March 29.

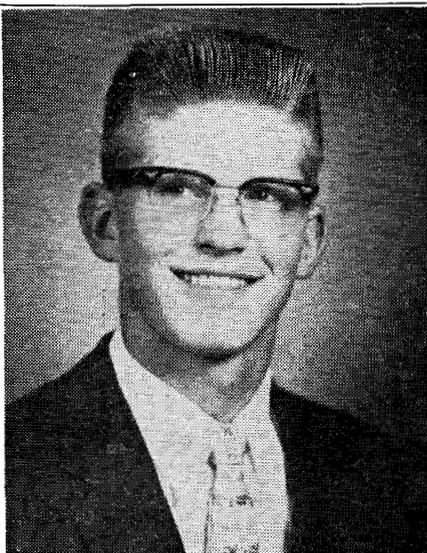
1957 Winter Shows Championship Plaque Winners

Championship plaques and trophies awarded at the 1957 Red River Valley Winter Shows and Northwest School Farmers' Week, Crookston, February 25-March 1, were as follows:

CROPS: Master Crop Grower Award—Oscar J. Olson, Lake Park; Silage Show Champion—Silas Hanson, Thief River Falls; Best 10 Ears Corn, Northern Section—Roy Boman, Twin Valley; Best Legumes—Noel Brule, Crookston; Best Small Grain Sample—Larry Voland, Crookston; Potato Sweepstakes, Open Class—Allie Rebarchek, Grace-ton; Best 10 Ears Corn, Southern Section—Ray Brendemuhl, Moorhead; Crops Judging Contest F.F.A.—Hawley F.F.A. Chapter; Potato Judging Contest—Climax High School, F.F.A. Chapter; 4-H Grain Clinic and Crops Judging Contest—David Hoff of Perley and Kenneth Strand of Ada.

LIVESTOCK: Best Beef Herd—Schmerhorn Farms, Inc., Mahnomen; Champion Futurity Beef, Female—Marilyn Gronseth, Rothsay; Best Dairy Herd—James R. Muzzy, Thief River Falls; Best Swine Herd—Ward Bros. (Raymond and Reynold), St. Vincent; Best Sheep Flock—Edgar and Arlan Olson, Fosston; Champion Futurity Dairy—Robert Braaten, Nielsville; Champion Futurity Sheep—Wallace Anderson, Moorhead; Champion Swine Futurity—Reynold Ward, St. Vincent; Reserve Champion Futurity Beef—Ralph Ouse, Rothsay; Reserve Champion Dairy Futurity—Larry J. Kresl, Angus; Reserve Champion Futurity Sheep—Edgar Olson, Fosston; Reserve Cham-

(continued on page 4, col. 2)



Walter Fehr of East Grand Forks was named Salutatorian of the 1957 Senior class at the Northwest School. Walter is the son of Mr. and Mrs. Ellert Fehr of rural East Grand Forks. He was awarded a scholarship medal at Commencement exercises held on March 29.

Northwest School Briefs

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

*** Dalmon Larson, '57, son of Mr. and Mrs. Manley Larson of Twin Valley, was recently awarded the State Junior Outstanding Turkey Grower Award for 1956. This was presented by the Minnesota Turkey Growers' Association at their annual State Turkey Growers' convention held in Minneapolis. Last September, Dalmon exhibited the state champion 4-H pen of turkeys at the Minnesota State Fair.

***Howard Balk, '25, Clearwater county agricultural agent since 1935, resigned his position effective April 1. He has accepted a position as county agricultural agent at Ortonville, Big Stone county, Minnesota.

***Richard F. Radway, '37, county agricultural agent in Roseau county for a number of years, has resigned his position there to serve as county agricultural agent in Olmsted county. His headquarters will be at Rochester, Minnesota, beginning May 1.

***Neal Bjornson, '54, is a student at the North Dakota Agricultural College, Fargo. He was recently elected editor of their college newspaper, "The Spectrum," for the next school year. Neal is also listed as a high scholarship student at the college.

***Mrs. Henry Johnson (Hildur Erlandson '11), of Kennedy, visited the Northwest School campus recently.

***Pvt. Albert Hoglund, '54, Fertile, recently completed ten weeks of advanced individual training under the packet platoon system at the Army's Armor Training Center, Fort Knox, Kentucky. He entered the Army in January, 1956, and completed basic training at Fort Chaffee, Arkansas.

***Army Privates Harley Thureen, '56, and Theodore F. Kozel of East Grand Forks recently began the second phase of six months of military training at Fort Camp Houston, Texas. They are receiving eight weeks of individual medical training at the Fort's Brooke Army Medical Center. They completed their basic combat training at Fort Leonard Wood, Mo.

***Milton A. Cayler '55, serving with the U. S. Marines in 29 Palms, California, was recently promoted from private first class to corporal. He enlisted in January.

***Pvt. Arlyn Jobe, '50, is serving as a cannoner with B. Battery of the 25th Field Artillery Battalion at Bamberg, Germany.

***New Address: PFC Marshall Guntzburger, '54, 55518948, 594th T.C.M.C., Metz Detachment, A.P.O. 216, New York, N.Y. He was recently sent from Germany to France.

***Dale R. Finkenbinder, '51, U.S.N., returned to San Francisco recently aboard the attack aircraft carrier USS Bon Homme Richard, after six months operations in the Far East with the Seventh Fleet.

***New Address: Pvt. Curtis Ander-
(continued in col. 3)



Mrs. Alice "Ma" Baker will retire from active service with the Northwest School of Agriculture as of April, 1957. Mrs. Baker is well known to the hundreds of students who have been residents of Stephens Hall. She has spent twelve years as a counselor in Stephens, attending to the many wants and needs of the boys who lived there under her guidance and counseling during those years. These boys came away better equipped for life after living in "Ma" Baker's dormitory.

MISS RETTA BEDE TO RETIRE FROM STAFF, JULY 1

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make her home with her sister in Duluth. Many of her former students still correspond with her, and for those who may have need for her address, her retirement home is at 1930 East Fourth Street, Duluth, Minnesota.

BEEF EXPERTS SPEAK AT CATTLE FEEDERS' DAY

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the 1957 cattle feeding trials and guided the cattle feeders through the feeding lots at the Northwest Experiment Station.

1957 WINTER SHOWS PLAQUE WINNERS

(continued from page 3)

pion Futurity Swine—Duane Trandem, Halstad.

POULTRY—Harold Thomforde and Son John, Crookston—Six Championships.

SPELLING CONTEST: Lloyd Johnson, Graceton.

LIVESTOCK JUDGING: Farmers' General Livestock—Young Farmers' Club team, Ulen; Young Farmers' Dairy Judging—Halstad Young Farmers' team, Ada; 4-H Dairy Cattle Judging—Pennington County; 4-H General Livestock Judging—Clay County.

4-H SPEAKING CONTEST: Milo Carlson, Angus; Gail Gustafson, Hallock.

BEEF CATTLE FEEDING TRIALS

(continued from page 2)

lots was approximately equal, but the steers in lot III were able to produce 100 pounds of gain on 56 pounds less grain.

Pelleting the grain mixture showed up to advantage in lots I and III where no stilbesterol was fed. The steers on pelleted grain gained faster, an average of 0.27 pounds per day, and required 79.51 pounds less feed to put on 100 pounds of gain. The pelleted grain group returned \$2.05 more in margin over feed costs than did the ground grain group.

Pelleting the grain mixtures did not show to advantage when stilbesterol was included in the ration. Steers in lot II, on a ground grain and stilbesterol ration, outperformed steers in lot IV, on a pelleted grain and stilbesterol ration, in all measures of performance except feed efficiency. Daily rate of gain was improved by 0.24 pounds and margin per steer over feed costs by \$8.16. Although the steers on ground grain required 50.50 less grain to produce 100 pounds of gain, they did require 54.57 pounds more total feed per 100 pounds of gain. This increased total feed requirement of the steers on ground grain is due to their much larger intake of alfalfa hay a cheaper source of nutrients.

This trial will be repeated in 1957-58 in order to verify the results obtained.

—by Dledrich Reimer, Animal Husbandman,
Northwest School and Experiment Station

NORTHWEST SCHOOL BRIEFS

(continued from Column 1)

son, '53, 1654240, Plt. 304, MCRD, San Diego 40, California.

***Mrs. Henry Lysaker of Twin Valley, former housemother in Stephens Hall, will return to the Northwest School campus on June 3-7 to assist with dormitory work during the 4-H Club camp. Mrs. Pearl Jamieson will also be at the school during that week to serve as housemother in Selvig Hall.

***Halbert V. Johnson, '32, visited the campus recently. He is area supervisor for the Farmers' Home Administration with headquarters at Thief River Falls.

Births

***To Mr. and Mrs. Elwood Billberg, (nee Dorothy Larson), a son, Gregory Lewis, on February 2, at Thief River Falls.

***To Mr. and Mrs. Warren Mosbeck, a daughter, Judy La Mae, on January 4, at Thief River Falls.

Deaths

***George Hillmon, former Northwest School employee, died on April 10. Following his retirement from the Northwest School, he had made his home in Crookston.

CROPS DAY

Northwest School and Experiment
Station, Crookston,
THURSDAY, JULY 18