

# Northwest School News

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NUMBER 6

## FALL TERM OPENS SEPTEMBER 29 HOMECOMING---OCTOBER 18

### Northwest School Fall Term Opens September 29

The forty-second year of the Northwest School of Agriculture will open on Monday, September 29, with the largest fall enrollment in the history of the school. A total of 450 regular students is expected which, together with the forty-five veterans now enrolled in the On-the-Farm Training Program, will make an enrollment nearing the 500 mark.

Dormitory facilities for boys on the campus and in the rooming houses of Crookston have again proved to be inadequate to care for the number who wish to attend school. The dormitory situation for girls has been greatly improved with the addition of the new dormitory for girls. Rooms for ten girls were still available on September first; later reports indicate that all rooms for girls will be taken in advance of the opening of school. Students who are depending on off-campus rooms are urged to contract their rooms in Crookston as soon as possible before registration day.

With a complete teaching staff, a full program of classes has been arranged. The addition of one new instructor in Animal Husbandry will permit the offering of all fall-term courses listed in that department including Farm Meats. New equipment and teaching materials will be available in all courses offered at the school this year. One new full-time instructor and field supervisor in the veterans On-the-Farm Training Program has been added to the staff.

A full program of major and minor sports has been scheduled for the school year. The fall major sports include football and cross-country with basketball and swimming getting started before the end of the fall term.

An excellent program of entertainment has been arranged for the school year which includes lyceum attractions, movies, school and class parties and athletic games.

### Parents' Day To Be Held November First

The 28th annual Parents' Day at the Northwest School will be held on Saturday, November 1. Plans have been made for a full day's program at which parents of students will be honor guests. Features of the day's program will be the home project show, noonday dinner for parents, and the afternoon student program.

### Homecoming, October 18

Homecoming at the Northwest School this year, October 18, will be one week earlier than the traditional Homecoming date due to schedule difficulties in securing an Agricultural School Conference football game. The West Central-Northwest School Aggie football game will be the major attraction for Homecoming to the alumni and students of both schools.

Homecoming festivities will start with the bonfire and pep fest on the evening of Friday, October 17. A special assembly program has been arranged for 11:30 A.M. on Homecoming day, October 18. The football game has been scheduled for 2:15 P.M. with the Homecoming dance and party starting at 8:00 P.M. The football team and coaches will be the guests of the school for the day.

The football games between Northwest and West Central teams are always thrilling contests on which the Agricultural School Conference championship title rests. West Central this year will try to avenge the defeat they suffered last year in the final minute of play.

Attendance at the Homecoming dance and party will be limited to students, former students, and alumni. Guest permits will be issued at the door to former students and alumni. Alumni and former students may each bring one guest. Upon the presentation of the guest permit, the person or persons will be admitted to the Homecoming dance by paying the prevailing admission charge.

### Corn Day Set For October 8

With prospects for mature corn better this year than for the past two seasons, it has been decided to hold a corn field day at the Northwest School and Station on Wednesday, October 8. Farmers will have opportunity to see field plantings of the twelve most promising corn hybrids and experimental plantings of all of the varieties which are registered for sale in the Northern Minnesota maturity zone.

Corn specialists from University Farm, St. Paul, will be present to take part on the Corn Day program. E. H. Rinke, associate professor from the Division of Plant Genetics, will report on the progress of developing suitable corn varieties for the Red River Valley. Ralph Crim, extension agronomist of University Farm, will discuss the field test of the varieties in trial at the Station this year. O. C.

(continued on page 4, col. 2)

### New Faculty Members Announced

Three new members of staff assumed their positions at the Northwest School on August 16.

Miss Julia Shea, a former member of staff at the State Teachers College at Ellendale, North Dakota, has been appointed instructor and matron



Julia Shea

and will take over the position in the school's Dining Hall formerly held by Mr's. Bernice Bauer. Miss Shea will, in addition to her supervisory work in the dining hall, teach classes in Home Economics.

Miss Shea is a graduate of the University of North Dakota with a Master's Degree in Home Economics.

While at Ellendale, Miss Shea taught Home Economics and was in charge of the girls' dormitory and dining hall. Homer D. Fausch, the new assistant in Animal Husbandry, a war veteran and graduate of the University of Minnesota, will assist O. M. Kiser in the experimental livestock projects and do teaching in the Animal and Dairy Husbandry courses. Mr. Fausch was reared on a dairy farm near Faribault, Minnesota, and has an outstanding record of practical and technical training. He will assist with the experimental feeding trials in which sugar beet tops will be used in lamb feeding and potatoes in cattle feeding. Mr. and Mrs. Fausch are making their home on the Northwest School campus.



H. D. Fausch

Miss Jean Kjørlie of Fargo, North Dakota, has accepted the position as instructor in second year English and debate. She will fill the vacancy in the English department caused by the resignation of Mrs. M. H. Lepisto (Audrey Linde). Miss Kjørlie, a graduate of Concordia College in 1942, has had one year of post graduate work and three years of



Jean Kjørlie

(continued on page 4, col. 1)

## Northwest School News

Issued by

THE UNIVERSITY OF MINNESOTA  
NORTHWEST SCHOOL OF  
AGRICULTURE

T. M. McCall, Superintendent

OFFICE

Northwest Experiment Station  
Crookston, Minnesota

This publication issued nine times a year,  
monthly, October through March; bi-  
monthly, April through September.

### Sunflowers—A New Crop In Red River Valley

O. C. Soine

Considerable interest has been aroused in sunflowers as an oil-producing crop for the Red River Valley. This new crop was seeded this season on about 3,000 acres in Minnesota, 2500 acres in North Dakota, and 1000 acres in South Dakota. At the end of this cropping season, it is hoped that sufficient information will be gained so that a few of the following questions can be answered: 1. Will the crop bring high enough returns to compete with other crops; 2. will it fit into the crop rotation plan; 3. as a cultivated crop, will it control weeds and be a substitute for summer fallow.

Although sunflowers are new to this area, they have been grown by the Mennonites in southern Manitoba, Canada, since 1874. These people eat the seed, either roasted or in its natural state as a nut, and upwards of 100,000 pounds per year are roasted in Winnipeg for this trade.

Due to the recent shortage of edible fats and oils and of protein concentrates, this crop may prove to be a new source of products. The sunflower seed, including the hull, contains about 30 per cent edible oil while the meat contains up to 51 per cent oil. In protein content, the sunflower seed meal is the highest of all vegetable concentrates, having 52.7 per cent. For edible purposes, the oil rates very high and is used mostly for shortening in cooking and baking, salad oil, deep-frying oils, and margarine. The oil is considered a semi-drying oil and not suitable for paints, but it has an iodine number of 120-130 as compared to 175-204 for flax.

**Varieties Planted:** Sunflowers are grown in Canada, Argentina, Western Europe, and Russia. The seed for the experimental planting this year in the Red River Valley came from Canada. Perhaps one of the oldest varieties is the Mennonite which is a mixture of many types. From this variety, several selections have been made by the Dominion Experimental Farm at Morden, Manitoba. One of these selections, Sunrise, is seeded on most of the land in this area. A hybrid called Advance is the most popular variety because of its high yielding ability and oil content. These last two varieties are dwarf types averaging 4½ to 5½ feet and generally produce one large head per plant.

**Culture of Sunflowers:** This crop is planted between May 10 to 20 and is ready for harvest about the middle  
(continued in col. 3)

## Northwest School Briefs

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

\*\*\*Benjamin Bakkegard, a former member of the Northwest School faculty, is taking graduate work at Columbia University, New York. The address of Mr. and Mrs. Bakkegard is: 25 W. Lawnwood, Shanks Village, Orangeburg, N. Y.

\*\*\*Miss Ruth Lerud is employed as a counselor to the Lutheran Student Foundation, New York City.

\*\*\*Mrs. Harold Petsch (Esther Torgerson) visited the campus on July 9. Her address is 5700 Cedar Avenue South, Minneapolis, Minnesota.

\*\*\*Ray Higgins visited the campus on July 12. He is employed in the Seed Buying Division of Cargill, Inc., Minneapolis. His address is 3444 Dight Avenue South, Minneapolis, Minnesota.

\*\*\*George Roisum visited the campus on September 5. He lives in St. Paul, Minnesota.

\*\*\*Colonel Martinus Stenseth visited the campus on September 6. His address is Offutt Field, Fort Crook, Nebraska.

\*\*\*Miss Jeanette Peterson, a member of the Northwest School faculty, has been employed as an airline stewardess for the United Air Lines during the summer months. She has been stationed at San Bruno, California. Miss Peterson will return to her position at the Northwest School for the coming school year.

\*\*\*Roy W. Gunderson is enrolled in the American Institute of the Air, Minneapolis, where he is taking a course in radio announcing. His address is 2810—14th Avenue South, Minneapolis, Minnesota.

\*\*\*Byron Hess is enrolled at the University of South Dakota, Vermillion, where he is completing a course in journalism. Before entering service, he attended the University of Minnesota and the University at Fairbanks, Alaska.

### Marriages

\*\*\*Miss Nannie Margaret Germunson to Boyd D. Hillesland on Saturday, June 7, at Portland, Oregon.

\*\*\*Miss Marjorie Molter to Carlton E. Knutson on Sunday, June 1, at Fergus Falls, Minnesota.

\*\*\*Miss Sylvia Downs to Allan R. Gustafson on Sunday, August 3, at Hallock, Minnesota.

\*\*\*Miss Betty Ann Muilenburg to Byron W. Hess on Monday, September 1, at Alton, Iowa. They will make their home at Vermillion, South Dakota.

\*\*\*Miss Katherine Ann Viker to Robert R. Miller on August 31 at Halstad, Minnesota. They will make their home at 1995 So. Humboldt St., Denver, Colorado.

### Births

\*\*\*To Mr. and Mrs. Roland Wentzel (Evelyn Kroog), a son, Edward Kroog, on July 25 at San Luis Obispo, California.

## Weather Summary For Crop Season

O. C. Soine

It seems that the warm sunny days of August are being carried over into September. Perhaps this is nature's way of balancing up the growing season, because April, May, and June were rather cool and below normal according to the mean temperature records. July was normal as compared to the 36-year figures given in the following table. August proved to be a warm month, exceeding the normal long time average figure by 3.25 degrees. Although the temperature readings for the month did not break any records here at the school, the prolonged period of relatively high temperatures caused considerable discomfort. The highest reading for the past month was 99° and the lowest was 43°.

	1947 Mean Temp.	36-yr. Av. Temp.
April .....	37.90°	41.65°
May .....	41.10°	54.79°
June .....	60.70°	63.89°
July .....	69.90°	69.99°
August .....	70.40°	67.15°

The rainfall for the past two months has been above average as compared to the 46-year figures. The rainfall was well distributed throughout both months and the crops did not suffer from a lack of moisture. There were a few wind and hail storms during the two months that caused some damage in scattered localities.

	1947 Pre- cipitation	46-yr. Av. Precipitation
January .....	0.38 in.	0.51 in.
February .....	2.08 "	0.59 "
March .....	0.63 "	0.83 "
April .....	3.37 "	1.63 "
May .....	2.22 "	2.67 "
June .....	7.17 "	3.14 "
July .....	3.46 "	2.78 "
August .....	3.06 "	2.88 "

TOTAL .....22.37 in. 15.03 in.

The above rainfall and temperature reports were taken from the official Northwest School and Station weather records.

### SUNFLOWERS—A NEW CROP IN RED RIVER VALLEY

(continued from col. 1)

of September. They are seeded in rows 36 to 42 inches apart using a corn planter or grain drill and at a rate of 3 to 4 pounds per acre. They are cultivated in the same manner as corn. When the crop is fully matured and dry, they can be harvested with a combine, after a few adjustments have been made. Yields vary from 800 to 1300 pounds per acre depending upon the fertility of the soil.

**Future Prospects:** The acreage this year was contracted for by the Cargill Company and they will process the seed at their plant at Savage, Minnesota. The price this year is set at about seven cents per pound, which is rather high but is in line with other farm prices. This crop has its place now during the critical shortage of edible oils, but the future  
(continued on page 4, col. 2)

## Football Prospects Bright For 1947-48

H. H. Lysaker

While some outstanding football stars of the 1946-47 team were lost to the Northwest Aggies through graduation, yet a good nucleus remains for the 1947-48 team. A number of new students appear promising as football prospects and many of the second and third string men of last year will give stiff competition for positions on this year's Aggie squad.

Besides the lettermen, we expect many new men trying out for the team plus the forty boys who were reserves, "B" team, and "freshmen" team members. In this group we have: Maynard Anderson, Newfolden; Kenneth Ask, Clearbrook; Duane Comstock, Roseau; Milton Berg, Fertile; Larry Bergh, Hallock; James Brubakken, Hoople, North Dakota; Wilford Dostal, Angus; Dennis Driscoll, East Grand Forks; Milo Dybedahl, Roseau; Dale Erickson, Malung; Carl Emanuelson, Ardoch, North Dakota; Peter Fehr, East Grand Forks; David Frislie, Greenbush; Deane Godtland, Fosston; Philip Hamre, Beltrami; Marwood Hamrick, Angus; Warren Hamrick, Angus; Harris Hanson, Hallock; James Holm, Greenbush; Peter Higgins, Bagley; Anton Jensen, Borup; Orlean Jensen, Borup; Theodore Johnson, Strathcona; Arthur Kolle, Georgetown; Larry Laymon, Viking; Thomas Lapp, St. Vincent; Harvey Lunning, Golvick; Duane Moe, Beltrami; Charles Mondor, Hallock; Allan Magnuson, Roseau; Forrest Mosher, Beltrami; Earle Peterson, Georgetown; LeRoy Peterson, Warroad; Noel Proulx, Red Lake Falls; Wayne Purrington, Ada; Duaine Roland, Stephen; Glen Roningen, Nielsville; Joel Vesledahl, Winger; Charles Vind, Crookston; DuWayne Wahlstrom, Salol; Rodney Webster, St. Vincent; Richard Widbeing instituted at the school Dining Northcote.

## New York Farmers Visit Station

A group of thirty-five prominent farmers from Steuben county, New York, who made a tour of potato and general farms in the Red River Valley, visited the Northwest School and Experiment Station on August 7. Superintendent T. M. McCall and members of the Northwest School staff conducted the eastern farmers on the tour through the Experiment Station plots.

The Crookston Chamber of Commerce served a smorgasbord picnic luncheon to the group on the Northwest School campus. At the informal luncheon meeting, J. A. TenEyck, president of the Crookston Chamber of Commerce, extended a welcome to the visiting guests; Superintendent McCall told of the work of the School and Experiment Station. Leaders of the tour of the Red River Valley counties were Paul Wagner, agricultural development agent of the Great

(continued on page 4, col. 1)

## 44 Veterans Enrolled In On-The-Farm Training Program

Theodore M. Pulkrabek, a former resident of the Tabor community and more recently an instructor at Chanute Field Army Air Forces Technical Training School at Rantoul, Illinois, has been appointed as coordinator and field supervisor for the Veterans' On-the-Farm Training Program at the Northwest School. Mr. Pulkrabek, a graduate of the University of North Dakota in 1937, has taught Industrial Arts at the Maynard and Red Lake Falls High Schools. Mr. and Mrs. Pulkrabek and their two children live on the Northwest School campus.



T. M. Pulkrabek

Forty-four veterans, living in a radius of twenty-five miles of the Northwest School, have complied with the requirements of the On-the-Farm Training Program for veterans and are meeting regularly in evening classes at the school. Many of the veterans are starting up as new farmers while a few, who previous to the war were farming independently, are continuing their farming operations.

Members of the Northwest School staff, who are serving as instructors at the night classes, have been gratified by the fine interest shown by the veterans in their course work. Wm. Barron, of the agricultural engineering staff during the school year, has served as coordinator and field supervisor of the training program for the summer months. He will resume his regular duties in the school on September 29. T. M. Pulkrabek, who

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## Many Improvements Made To Buildings and Grounds

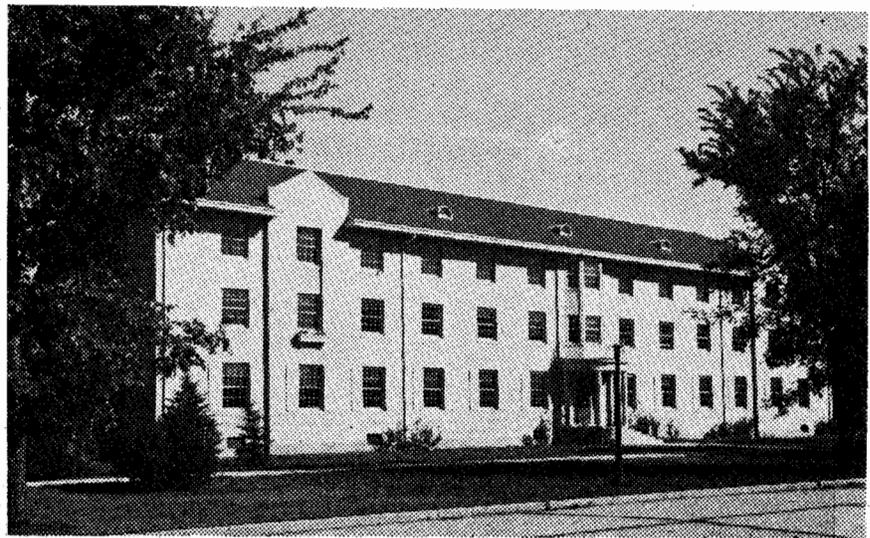
The first improvement to the Northwest School campus noticed by a visitor to the school is the main entrance to the school grounds. The entrance driveway has been widened and new brick pillars have been constructed to replace the pillars dismantled when the drainage ditch was reconstructed. The next improvement to catch the eye is the border planting of Colorado and White spruce near the entrance boulevard and the ornamental plantings around the new girls' dormitory.

Extensive improvements were made to the interior of Kiehle building. A new floor slab was laid over the entire first floor of the building. Red ceramic tile was used for the flooring cover in the corridor and a light brown marbled asphalt tile was used as a floor cover in the library and offices. All rooms and halls on the first floor of the building were re-decorated during the summer.

The former dormitory ward in the Home Economics Building has been changed back to classrooms for the Home Economics classes. Senior Hall is being transformed into a dormitory for girls. Sanding operations and the refinishing of the entire first floor of the building will be completed before the opening of school.

Robertson Hall is being changed over for boys. Senior and Advanced boys will appreciate the added space available in this shift from the Senior Hall dormitory.

The greatest change to the interior of any of the school buildings will be found in the main dining room of the Dining Hall. New stainless steel, electrically heated cafeteria cabinets and the necessary serving tables and self-service water fountain have been installed there. Cafeteria service is being instituted at the school Dining Hall this year.



## NEW DORMITORY FOR GIRLS READY FOR OCCUPANCY

The new dormitory for girls at the Northwest School, with accommodations for 114 students, increases the total dormitory facilities for girls to 164. Rooms in the dormitory are excellently equipped with built-in wardrobes, desks, dressing tables, and Hollywood-style beds.

#### 44 VETERANS ENROLLED IN ON-THE-FARM TRAINING

(continued from page 3)

assumed the position of assistant field man on August 16, will take over full responsibility as field man at the opening of the fall term.

Course of instruction offered the veterans since April first and instructors who have conducted the night classes are: O. C. Soine—Farm Management; E. N. Reiersgard—Farm Mathematics; H. W. Soderburg—Farm Shop; Wm. Barron—Tractor Maintenance and Operation. Other courses in Animal Husbandry, Poultry, and Horticulture will be offered during the year.

#### NEW FACULTY MEMBERS ANNOUNCED

(continued from page 1)

teaching experience in the Pelican Rapids High School. She will have charge of the dramatics work in addition to her other scheduled duties.

#### NEW YORK FARMERS VISIT STATION

(continued from page 3)

Northern Railway Company, Fargo, and William Case, secretary of the Red River Valley Potato Growers Association, Grand Forks.

#### SUNFLOWERS—A NEW CROP IN RED RIVER VALLEY

(continued from page 2)

will depend on the price of other competing crops and the return of the pre-war sources of oil. In Canada, the production centers around Altona in the southern part of Manitoba. Here, a large cooperative plant has been erected with an elevator capacity of a million pounds of sunflower seeds. The acreage in this area this year will amount to about 30,000 acres and all the seed will be processed at this plant.

The farmers and producers of sunflowers in the Altona area are rather enthusiastic about the future prospects of this crop. They have an advantage since their plant is located in the center of the production area, thus reducing the freight charges. In this country at the present time, the production of sunflowers is centered in the Red River Valley area. Because there are no processing plants in this area, all the seed will have to be shipped out. This may be a factor in the future production because the seeds are rather bulky.

#### CORN DAY SET FOR OCTOBER 8

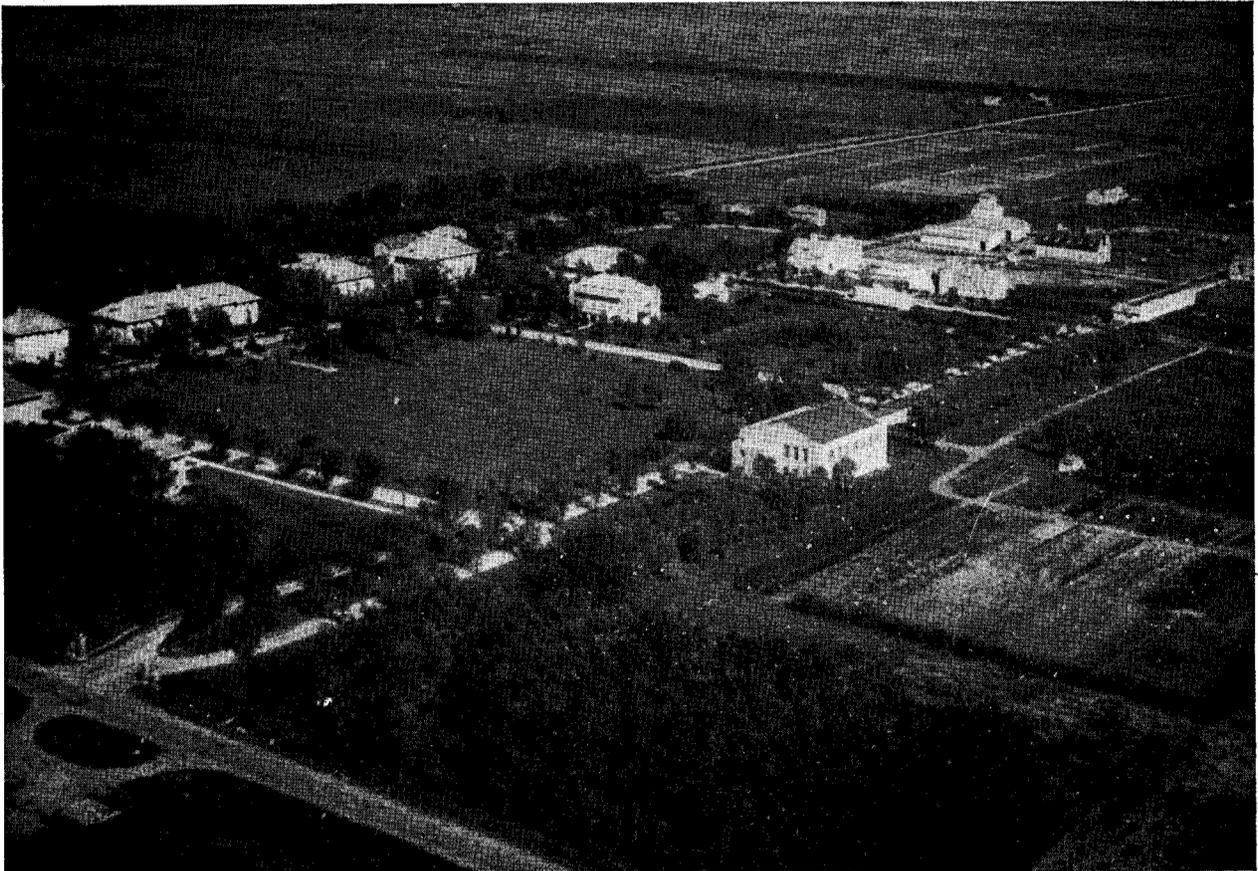
(continued from page 1)

Soine, agronomist at the Northwest School and Station, will be in charge of the program and field tour.

#### Teaching Staff Positions Filled

The Northwest School has been extremely fortunate through its history in bringing together outstanding teachers and leaders in all departments of instruction. The good fortune of the school and station has continued this year in that well-qualified members of staff have been appointed to fill all vacancies and new positions.

Members of the faculty for the 1947-48 school year, announced by Superintendent T. M. McCall, are: E. N. Reiersgard—registrar and mathematics; O. C. Soine—agronomy; A. M. Foker, H. W. Soderburg and William Barron—agricultural engineering; O. M. Kiser and H. D. Fausch—animal husbandry; A. M. Pilkey—poultry husbandry; B. C. Beresford—horticulture and forestry; Margaret Larsen, Alice M. Anderson, Jeanette Peterson, and Jean Kjolrie—English, speech and dramatics; Retta Bede, Verna Stokke, and Julia Shea—home economics; Winnifred Erickson, Ruth Emerson and Jeanette Peterson—music; H. H. Lysaker, E. F. Bennett, and C. Blatchford—physical education; Fae Hughbanks—business training; Nels Hanssen—science; Anna M. Nelson—school nurse; Dr. Arne D. Rydland—school physician; and T. M. Pulkrabek—veterans' on-the-farm training program.



AERIAL VIEW OF NORTHWEST SCHOOL AND EXPERIMENT STATION