

# Northwest School News

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NUMBER 3

## JUNE EVENTS:

Women's Camp

4-H Club Week

Alumni Reunion

### Women's Camp Members To Have Interesting Program

The 30th annual Women's Camp for women in the Red River Valley counties will be held at the Northwest School of Agriculture from June 13 through 16. The Northwest School Women's Camp is unique in that women return year after year for their annual vacation and refresher courses in homemaking. A number of women have attendance records of twenty years or more.

A program of more than general interest has been arranged for the women this year. Features highlighting the lecture - demonstrations during the



Miss Bede

camp include work with meats and meat preparation presented by a home economist from Swift and Company, Minneapolis branch; a lecture - demonstration on different types of floor coverings and carpeting by Mrs. Myra Zabel of the Agricultural Extension Division, Institute of Agriculture, University of Minnesota; and an illustrated talk (with films) on clothing and shopping tips by Miss Retta Bede of the Northwest School. Handicraft work to be offered includes basketry, woodcraft, and plant propagation. Basketry will be taught by Miss Marian L. Parbst, county home agent of Norman county, assisted by Mrs. Arthur Ambuehl; woodcraft will be directed by E. C. Miller, head of the Department of Agricultural Engineering with H. W. Soderburg of the Agricultural Engineering Department, Northwest School, assisting. Plant propagation will be given by B. C. Beresford, horticulturist at the Northwest School. The recreational and entertainment features are swimming in the school's swimming pool, movies, receptions, and class initiations. An attendance of 125 to 150 women "in residence" is expected. Women who are unable to enroll for the entire camp period are invited in for the day sessions.

This year's officers of the Women's Camp organization are: Mrs. Ole Johnson, Stephen—president; Mrs. Anton Pulkrabek, Angus — vice-president; Mrs. Marvin Nilson, Twin Valley—secretary; Mrs. Merle Schenck, Baker—

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### 4-H Club Week To Be Held June 20-24

The annual 4-H Club Week at the Northwest School of Agriculture will be held during the week of June 20-24.

Counties in the south half of the Red River Valley will meet June 20-22, and the northern counties will meet June 22-24. Counties scheduled for each of the two sessions include: June 20-22—Becker, Clay, Mahnomon, Norman, East Otter Tail, West Otter Tail, Clearwater, and Lake of the Woods; June 22-24—Kittson, Marshall, Pennington, East Polk, West Polk, Red Lake, and Roseau.

In the absence of Harold K. Anderson, district 4-H club supervisor, Osgood Magnusson, St. Paul, assistant state leader of 4-H club work, will be director of the 4-H Club Week program. Members of staff of the Northwest School, county agricultural agents, county home agents, 4-H club agents, and members of the State Agricultural Extension staff will serve as instructors for the 4-H Club Week classes.

A new feature of the service rendered 4-H club members attending the camp this year will be liability insurance coverage, the cost of which to be included in the fee for the course.

### Alumni Reunion—June 25

Saturday, June 25, will be a time for reunion of all graduating classes at the Northwest School. A cordial welcome is extended to not only members of graduating classes, but to all former students to return for a renewal of friendships and acquaintances.

The class of 1930 will be celebrating its 25th anniversary, and with the large number of class members who are residents of the Red River Valley area, this reunion should be the largest class reunion in the history of the school. Mr. and Mrs. Siegel A. Anderson of St. Paul, advisers of the class of 1930, will find a number of faculty friends on the Northwest School campus and retired faculty members of Crookston to join them in their class reunions. With the more recent graduates and the classes observing their five-year reunions, a large attendance is expected for Alumni Day this year.

Class reunion groups are urged to bring their picnic lunches and hold their class reunions on the campus. In case of inclement weather, the Aggie Inn will be available for the picnic dinners. Coffee and cream will be

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### Cattle Feeders' Day Has Good Attendance

An interested group of ninety farmers took time off from seeding of crops to attend the Cattle Feeders' Day at the Northwest School and Experiment Station on May 6.

Feeding of surplus and home-produced feeds in the fattening of beef cattle has been a feature of the beef cattle experiments at the Northwest School and Experiment Station for a number of years. The feeding trials using cull potatoes, which were concluded last year, demonstrated that cull potatoes could be profitably fed to fattening cattle. Feeding trials this year have been conducted with another Red River Valley feed—molasses beet pulp. Molasses beet pulp has been fed to beef cattle at the Northwest Experiment Station during this past year with very good results. This work is a continuation of the feeding trial with pulp which was started in 1952-53.

In the trials this year, twenty-four steers divided into four groups of six steers each have been fed the different rations with varying amounts of molasses beet pulp supplemented by alfalfa hay, corn silage, and concentrates.

Authorities in their respective fields of work took part on the Cattle Feeders' Day program. Jack Tanner, research director of the American Crystal Sugar Company of Crookston, discussed the value and availability of sugar beet pulp and molasses for livestock feeding. He pointed out that

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MRS. MYRA ZABEL

Mrs. Zabel, house furnishing specialist, Institute of Agriculture, University of Minnesota, will give two lecture-demonstrations at the Women's Camp on June 15.

*Northwest School News*

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NORTHWEST SCHOOL OF  
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T. M. McCall, Superintendent  
Northwest Experiment Station

OFFICE  
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## School Delegates Attend Conference At Hibbing

Four Northwest School students, delegates from the Hi-Y and Tri-Hi-Y organizations of the Northwest School, and Miss Retta Bede, adviser, attended the Hi-Y and Tri-Hi-Y spring conference at Hibbing on April 22 and 23. The delegates from the Northwest School were Judy Piker, Angus; Sylvia Jensen, Stephen; Allan Dragseth, Eldred; and Walter Fehr, East Grand Forks.

The student delegates and their adviser reported a very interesting and profitable conference. Their reports will be submitted to their respective organizations during an early meeting at the school in the fall term.

## ALUMNI REUNION—JUNE 25

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served by the Association.

Many of the alumni have expressed desires to have tours of the Experiment Station grounds and buildings organized for them on Alumni Day. Committees have been appointed to take care of all of the activities throughout the day. The new equipment is now all in place in the remodeled Home Economics building. The building and equipment will be of interest to all of the girls who have taken Home Economics work at the school.

The annual business meeting of the Northwest School Alumni Association will be held at the intermission of the alumni dance which will be held in the gymnasium starting at 8:00 p.m.

Negotiations are underway at the present time for an outstanding orchestra for the alumni dance.

Committees appointed for the reunion are: **Decorations**—Glen Torkelson, chairman; Glenn Finkenbinder, Melvin Larson, Sylvester Greskowiak, Carol Ewing, Donna Miller, Mr. and Mrs. William Barron, Jr., Richard Kluzak, H. W. Soderburg, B. C. Beresford, and T. M. McCall. **Ticket Sale**—E. N. Reiersgord, E. C. Miller, and Elvin Moran. **Reception and Picnic Lunch Committee**—Miss Retta Bede, Mr. and Mrs. T. M. McCall, and Mrs. Myrtle Brown. **Experiment Station Tours**—O. C. Soine, H. D. Fausch, B. C. Beresford, and A. M. Pilkey. **Refreshments**—E. N. Reiersgord and helpers. **Entertainment**—H. H. Lysaker. **Publicity**—T. M. McCall and William Ash, Jr.

Officers of the Alumni Association  
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## Maleic Hydrazide— A New Chemical Tested For Wild Oat Control

O. C. SOINE

Wild oats, the most persistent and troublesome weed plant in the Red River Valley area, may yet be conquered by a new chemical such as Maleic Hydrazide. Field trials carried on with this new chemical at the Northwest School and Experiment Station, Crookston, during the summer of 1954, opened up some new avenues of approach in controlling this weed.

All flowering plants have a sensitive period in their growth when the addition of a chemical may upset the normal processes of plant growth and result in the formation of non-viable seeds. Maleic Hydrazide is such a chemical and when applied to a plant at the sensitive stage will prevent the formation of viable seed. Seeds will be formed but they will not germinate and hence are non-viable.

The only problem involved by using this chemical is to find crop plants that will differ from wild oats in the sensitive stage of growth, otherwise the seeds of the crop plant will also be rendered non-viable.

In the field trials conducted last summer, this chemical was applied to 192 different plots of wild oats at 5 different stages of growth. Three different varieties of barley and three different varieties of flax were used as the test crops. When Maleic Hydrazide was applied to wild oats in the preboot, early boot, and late boot stage of growth, it destroyed the flowering parts of both the wild oats, barley and the flax plants. No seeds were formed on either the weed plants or grain plants. However, when the chemical was applied to wild oats when 50% of the plants were headed out, some of the plants produced seeds which germinated. The crop plants of flax and barley produced some seeds which also germinated.

The best and most promising results were obtained when Maleic Hydrazide was applied to wild oats when the seeds were in the early milk stage. At this stage of growth, the barley and flax seeds were in the hard dough stage and apparently were out of the sensitive stage. The wild oats plants did produce seed, but with an 8 lb. rate of application of Maleic Hydrazide the germinating power of the wild oat seeds was completely destroyed. The crop plants of barley and oats produced seeds and, while the germination of these seeds was reduced, the reduction was not as great as with wild oats.

Maleic Hydrazide is a promising new chemical, but further research is needed to establish the timing of application and to find crops that differ from wild oats in the sensitive stage of growth.

(Dr. Olaf C. Soine, Agronomist at the Northwest School and Experiment Station, Crookston, Minnesota.)

## 10 Students Become Members Of National Honor Society

Ten students were inducted into membership of the Northwest School Chapter of the National Honor Society at the Northwest School of Agriculture on March 18.

Willis Finnifrock, Barnum, president of the Chapter, presided at the induction ceremony. Speakers of the Chapter in the candle lighting ceremony were: Marlys Love, Euclid—Character; Glenn Filipi, Angus—Service; Lowell Hanson, Mahanomen—Leadership; and Marilyn Balstad, Fosston—Scholarship.

New members inducted into the Northwest School Chapter were Wendell Kelm, Neche, N. Dak.; Harlene Hagen, Gatzke; Donald Wald, St. Hiltaire; Wayne Erickson, McIntosh; Barbara Hylland, Grygla; Sylvia Jensen, Stephen; Marilyn Hovet, Thompson, N. Dak.; Theone Larson, Twin Valley; Donald Diedrich, Warren; and Kathryn Clementson, Erskine.

Other officers of the Chapter for 1954-55 are Glenn Filipi, Angus, president; and Donna Miller, Crookston, secretary-treasurer.

Superintendent T. M. McCall presented the National Honor Society pins to the new members. E. N. Reiersgord, registrar, is faculty adviser to the Chapter.

## Committee Considers Educational Program For 1956 Winter Shows

A meeting of an advisory committee, called jointly by T. M. McCall, president of the Winter Shows Board of Managers and Superintendent of the Northwest School, and Frank Forbes of St. Paul, district county agricultural agent supervisor, University of Minnesota, was held at the Northwest School on April 22. The committee was called to set up the outline for the meetings of the 1956 Red River Valley Winter Shows and Northwest School Farmers' Week, Crookston, whereby the program could be coordinated with the general program of agricultural development of the area. The 1956 show dates have been set for February 20-24.

County agricultural agents and county home agents present for the meeting were: County Agricultural agents—Charles Campbell, Hallock, Kittson; E. M. Weiberg, Warren, Marshall; Carl G. Ash, Crookston, West Polk; Harold Rosendahl, Ada, Norman; and Abel T. Anderson, Red Lake Falls, Red Lake; and Frank Forbes, St. Paul—county agricultural agent supervisor; county home agents—Mrs. Irene Tufvander, Hallock, Kittson; Shirley Macpherson, Crookston, West Polk; Janice Kyseth, Warren, Marshall; and Lila Braaten, Ada, Norman. Members of staff were present from the Northwest School and Experiment Station, Crookston, also.

## Stilbestrol As A Feed For Beef Cattle

H. D. FAUSCH

Not since the antibiotics and wonder drugs has such phenomenal news appeared in livestock production. We now have a tremendous new help for beef cattle feeders called Stilbestrol. Stilbestrol is a synthetic compound which usually has effects on animals similar to the effects of female hormones. However, in cattle rations it produces phenomenal increases in gains and unbelievable increases in feed efficiency. The Food and Drug Administration has okayed the use of Stilbestrol in cattle supplements so farmers can take advantage of these benefits and reduce production costs.

The research with Stilbestrol as a beef cattle feed was conducted at the Iowa Experiment Station and at Purdue University in 1954. It was found that when steers were fed 10 milligrams of Stilbestrol daily, along with high energy grain rations, that gains were stepped up as much as 37 per cent and feed efficiency was increased as much as 20 per cent. Some of the steers gained as much as 3.4 pounds daily and costs of gain were reduced from 2 to 4 cents per pound. These two factors add up to considerable more profits for the feeder. To make this story complete, it should be added that the carcass of the Stilbestrol steers are about equal in quality to steers fed on grain

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## Schools Of Agriculture Staff Conference Held

The annual conference of administrators and instructors of the Schools of Agriculture of the University of Minnesota was held at the Northwest School of Agriculture on March 28 and 29.

Outside speakers taking part on the program were Dr. Donald G. Pollock, professor of education, University of North Dakota, Grand Forks; G. R. McKay, extension specialist in visual education, Institute of Agriculture, University of Minnesota, St. Paul; and L. F. Stasney, librarian, Crookston Public Library.

The two-day program was concluded with summarizations of the group conferences made by the superintendents of the four schools and observations and recommendations by Dr. T. H. Fenske, assistant dean of the Institute of Agriculture, University of Minnesota, St. Paul.

The Schools of Agriculture represented at the conference were: Southern School of Agriculture, Waseca, fifteen delegates; West Central School of Agriculture, Morris, fifteen delegates; North Central School of Agriculture, Grand Rapids, ten delegates; and members of staff of the Northwest School of Agriculture, Crookston.

A meeting of the superintendents of the schools was held in conjunction with the conference. Superintendents attending included R. E. Hodgson, Wa-

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## Special Awards Announced At Commencement

The 47th annual Commencement Exercises were held at the Northwest School of Agriculture on March 25 with 105 students from the Red River Valley counties of Minnesota and North Dakota receiving the regular four-year diploma.

Dr. Joseph L. Knutson, president of Concordia college, Moorhead, gave the Commencement address. Superintendent T. M. McCall made the presentations of honor awards to graduating seniors.

Medals for high scholarship were presented to Wendell Kelm of Neche, N. Dak., valedictorian, and Paul Tollefson, Crookston, salutatorian. Wendell Kelm gave the valedictory address, also, at the Commencement exercises.

Citizenship awards were presented to Donna Miller of Crookston, senior girl, and David Mickelson, Menahga, senior boy. Receiving honorable mention were: Donald Wald, St. Hilaire; Wendell Kelm; and Marilyn Balstad, Fosston.

Marlys Love of Euclid was presented the Caleb Dorr Music Progress Award in piano, a gold medal. The O. W. Peterson Memorial Fund Award in voice, a gold medal, was awarded to Donald Wald, St. Hilaire. Donna Miller of Crookston received honorable mention in both piano and voice.

The Speech and Dramatics medal was presented David Mickelson of

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Pictured above is Lot No. 2 of Hereford steers in the 1954-55 Cattle Feeding Trials conducted at the Northwest School and Experiment Station, Crookston.

### SUMMARY OF THE CATTLE FEEDING TRIAL

1. Twenty-four steers were fed for 168 days on rations containing corn silage, molasses beet pulp, alfalfa hay, barley and oats.
2. Urea was added to the corn silage fed in Lots III and IV and urea was used to replace some of the soybean oil meal in the grain rations of Lots II and IV.
3. The daily gains for the lots were 2.18, 2.14, 2.04, and 1.95 pounds per steer daily. The gains are entirely satisfactory on rations in which from 44 to 49 per cent of the nutrients were supplied from roughage sources.
4. The margins over feed costs in the various lots were \$62.80, \$66.36, \$53.89, and \$30.43 per steer for Lots I through IV, respectively.
5. The steers graded from good to choice at the termination of the trial and were evaluated by lots as \$23.50 per cwt., \$24.00 per cwt., \$23.00 per cwt., and \$21.50 per cwt. for Lots I through IV, respectively.
6. Urea-corn silage proved to be a satisfactory feed. Lot III steers on this silage were the most efficient in feed utilization.

## STILBESTROL AS A FEED FOR BEEF CATTLE

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rations so the price you receive should be the same as if you fed your cattle on the usual beef rations.

You can obtain Stilbestrol for your cattle from your feed dealer in the form of cattle supplement. Most of these supplements will be compounded in such a way that you will feed the optimum level of Stilbestrol for your cattle by feeding 2 pounds of the supplement per steer daily. You should be sure that you are feeding the supplement according to directions on the feed bag. In addition to supplying Stilbestrol, the supplement will supply all the protein supplement and minerals required for your feeding ration. Since there are many feed companies merchandising a Stilbestrol supplement, you should take care that the one you buy contains adequate quantities of these nutrients. You should also make sure that you are feeding the supplement at such level that it will supply 10 milligrams of Stilbestrol per steer daily. The greatest benefits will be derived at this level of feeding. There are also some precautions to take in the use of Stilbestrol as a livestock feed. In the first place, it should not be fed to animals in the breeding herd because of its effects as a sex hormone. There may be some danger of sterility to these animals.

The greatest benefits are obtained in high grade rations containing corn or grains and good quality hay. Minerals and salt should be supplied. The gains were also increased in high roughage rations but not to the same degree as in the best grain rations. There is no storage of Stilbestrol in the meat of the animal so there is no danger to humans who consume the meat.

(Dr. Homer D. Fausch is Associate Animal Husbandman at the Northwest School and Experiment Station, Crookston, Minnesota.)

## WOMEN'S CAMP PROGRAM

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treasurer; and Mrs. Thomas Fixter, Thief River Falls — sergeant-at-arms. Miss Retta Bede will again serve as camp leader.

Women who are interested in attending the camp may write to the Northwest School of Agriculture, Crookston, for full information and room reservation.

## SCHOOLS OF AGRICULTURE STAFF CONFERENCE

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seca; C. L. Cole, Grand Rapids; A. W. Edson, Morris; and T. M. McCall, Crookston.

The program committee for the conference consisted of E. N. Reiersgord, registrar, Crookston; H. G. Croom, principal—Morris; B. E. Youngquist, principal—Waseca; and Wm. Matalamaki, principal—Grand Rapids. Members of staff from the Northwest School serving as chairman of discussion groups were E. C. Miller and H. D. Fausch.

## Northwest School Briefs

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

\*\*\*Cpl. Jerome Bergeron of Argyle returned to his home on March 18 following his release from the Armed Services at Ft. Sheridan. He was in overseas service in Germany for 15 months. Cpl. Bergeron was stationed at Augsburg, Germany, with the 10th Infantry Regiment, 5th Division, as a sounding range specialist.

\*\*\*Clayton Isaacson, formerly of Mahanomen, was recently promoted from the rank of Lt. Colonel to full Colonel. Col. Isaacson is now serving with the Air Force in the Far East and is currently assisting with the training of Nationalist Chinese pilots in jet aircraft on Formosa. During World War II, Colonel Isaacson flew with the Air Force in Africa, Italy and Pacific theaters, and also saw combat in the Korean War. He has flown 335 combat missions.

\*\*\*William Vasilakes, '42, was guest speaker at the annual Honors "A" banquet held at the Northwest School on March 15.

\*\*\*Lyle Kasprick, formerly of Angus, has been released from the United States Navy after serving as radio man 2/C on the USS Sandfley in the Atlantic coastal waters.

\*\*\*Sgt. Ralph E. Tucker of Euclid, recently spent a week's leave in Tokyo from his unit in Korea. He arrived in the Far East in November, 1953, and is a mechanic with the 630th Engineer Company. He entered the Army in April, 1953, and completed basic training at Fort Leonard Wood, Missouri.

### Marriages

\*\*\*Miss Joyce Mellenson of Rumford Center, Maine, to Stanley LeMasurier, on March 27, at Rumford Center, Maine.

\*\*\*Miss Norma Hovelsrud of Crookston to Gerhard Ross of Fisher on April 15 at Crookston, Minnesota.

\*\*\*Miss Shirley Larson of Warren to Willis Malm of Argyle on March 19, at Warren, Minnesota. Their address is 701½ Oak Street, Grand Forks, North Dakota.

\*\*\*Miss Alice Joy Christenson of Pinewood to Thomas R. Lapp of St. Vincent, on April 2, at Bemidji, Minnesota.

\*\*\*Miss Audrey Anderson of Stephen to Lloyd C. Kalin of Karlstad, on April 7, at East Grand Forks, Minnesota.

\*\*\*Miss Ruth Ann Nelson to Jaroslav I. Kruta on April 30. Mr. and Mrs. Kruta are members of the Northwest School faculty.

\*\*\*Miss Helen Gustafson of Oklee to Leonard LaCoursiere of Brooks, on April 30. Their address is 2760 A North 55 St., Milwaukee, Wisconsin.

### Births

\*\*\*To Mr. and Mrs. Roger Vind of Crookston, a son, on April 4.

\*\*\*To Mr. and Mrs. Peter Salentiny

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## SPECIAL AWARDS ANNOUNCED

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Menahga, a senior.

Caleb Dorr Progress scholarships of \$48 each were awarded to one boy and one girl from each of the three classes, Freshman, Sophomore, and Junior. Scholarship winners from Caleb Dorr funds were: FRESHMEN—Nellie (Peggy) Bjornson, Arvilla, N. Dak., and Gordon Filipi, Warren; SOPHOMORES—Jean McWilliam, Winger, and Allen Dragseth, Eldred; JUNIORS—Theone Larson, Twin Valley, and Donald Diedrich, Warren. Receiving honorable mention in scholarship were: Ray W. Anderson, East Grand Forks, and Cheryl Haugen, Gilby, N. Dak.—Freshmen; Walter Fehr, East Grand Forks, and Judy Piker, Angus—Sophomores; and Walter F. Anderson, Stephen, and Arlene Christianson, Goodridge—Juniors.

The Reverend H. R. Hadden of Crookston gave the invocation. Two selections were sung by the mixed chorus under the direction of John A. Miller; Donald Wald was soloist, with Miss Mary Croal and Marlys Love, duo-accompanists. The processional and recessional were played by Miss Mary Croal and John A. Miller of the music faculty, duo-pianists.

## CATTLE FEEDERS' DAY

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these two by-products of the sugar company are now available and are being widely used by livestock feeders. Dr. A. L. Harvey, beef cattle specialist, Department of Animal Husbandry, Institute of Agriculture, University of Minnesota, a cooperater in the cattle feeding trials, discussed the use of Stilbestrol in cattle feeding. Carl Spong, field man for the Central Cooperative Livestock Association, Fargo branch, gave the market outlook for fat and feeder cattle. Dr. H. D. Fausch, animal husbandman at the Northwest School and Experiment Station, gave the results of the 1954-55 feeding trials and conducted the tour of the feeding yards.

Mimeographed reports on the feeding trials may be secured by writing the Northwest School and Experiment Station, Crookston, Minnesota.

## ALUMNI REUNION—JUNE 25

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for 1955 are: William Ash, Jr., St. Vincent, president; Wilfred Dostal, Angus, vice-president; Marlys Eftefield, Stephen, treasurer; and Mrs. Rodney Webster, St. Vincent, secretary.

## NORTHWEST SCHOOL BRIEFS

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of Euclid, a daughter, on April 7.

\*\*\*To Mr. and Mrs. Kenneth Miller of Crookston, a daughter, on May 9.

\*\*\*To Mr. and Mrs. Robert LaPlante of Fisher, a daughter, on May 9.

\*\*\*To Mr. and Mrs. Norman A. Johnson (nee Camilla Ecklund), a son, Brian Jay, on April 10. Their address: 409 Griffit Street, Hopkins, Minnesota.

\*\*\*To Mr. and Mrs. Elvin R. Moran of Crookston, a daughter, on April 27, at Crookston.