

GRASS VALLEY

By Mrs. A. F. Balzer

Mr. and Mrs. Theo. von Borstel and the Misses Cassie and Mable Holmes of The Dalles were dinner guests Sunday at the home of Mr. and Mrs. Carl von Borstel. Other dinner guests were Mr. and Mrs. George von Borstel and family and Mr. and Mrs. Kenneth Hatrup and family.

Mr. and Mrs. Bill Pausch went to Portland Saturday and were guests of Miss Rose Coffman returning home Sunday.

Mr. and Mrs. Olan Stark and family of Kent went to Warm Springs Tuesday and spent the day swimming.

Mrs. Olan Stark and children of Kent and her mother, Mrs. W. D. Barnett were business visitors in The Dalles Monday and Friday.

Mr. and Mrs. Gordon Lemley were business visitors in Portland Friday.

Mr. and Mrs. F. M. Crews returned here to the home of her daughter, Mr. and Mrs. Gordon

Lemley Friday after spending ten days visiting relatives in Portland, Beaverton and Stevenson, Wash.

Mr. and Mrs. Doug Alley and family of Wasco stopped at the home of Mr. and Mrs. Herman Peters Sunday evening a while enroute home from Madras where they visited at the home of Mr. and Mrs. Arden Peters.

Mr. and Mrs. Olan Stark and family went to Sisters Sunday to the Rodeo and on to Bend to visit Mr. and Mrs. Willis Brittain before returning home.

Mr. and Mrs. F. M. Crews were dinner guests Sunday at the home of Mr. and Mrs. Tommie Barnett.

Mrs. A. von Borstel had as her guests Saturday and Sunday Mr. and Mrs. Orin Gibbons and Donna, of Washougal, Wash.

Mrs. A. von Borstel and Phil, and Mr. and Mrs. Orin Gibbons and Donna of Washougal called at the home of Mr. and Mrs. Frank von Borstel Saturday afternoon.

Mrs. Loy Cochran of Moro accompanied Mr. and Mrs. Frank von Borstel on a trip to Rufus and the John Day dam Friday afternoon.

Mrs. Frank Sayers and Tony and Melissa of Moro were dinner guests Sunday at the home of her mother, Mrs. A. von Borstel.

Mrs. Bob Rolfe and Mrs. Frank von Borstel attended a dinner given by the Past President Pauley club in The Dalles Wednesday night.

Bill Johnson entered The Dalles General hospital Thursday morning following an accident injuring his right arm while working at the Tommie Barnett ranch.

Miss Grace Deirlein of Portland and Mrs. Wright Austin from Wisconsin were luncheon guests Thursday at the home of Mr. and Mrs. Bill Pausch.

Mr. and Mrs. James Tiwater of Kenenwick, Wash., spent Thursday evening here visiting at the home of her son, Mr. and Mrs. Marcus Eslinger.

Mr. and Mrs. Larry Smith and family of Richland, Wash., spent Father's day weekend here with their parents, Mr. and Mrs. Don Smith.

Miss Frances Thompson of Bend spent from Friday till Monday as a guest of Mr. and Mrs. Bill Pausch.

Mr. and Mrs. A. F. Balzer went to Wasco Sunday and spent the day visiting her sister, Mrs. Gus Hartmann.

William Walter of Hood River spent from Wednesday till Friday visiting at the home of his sister, Mr. and Mrs. Wallace May.

Mr. and Mrs. Carl Swoboda from Silver Lake, Wisconsin were over night guests Friday at the home of his cousin, Mr. and Mrs. A. F. Balzer, enroute from Ellensburg, where they visited friends, to Wamic where they will visit his cousin, George Balzer and family.

Mr. and Mrs. Bill Pausch, Miss Frances Thompson of Bend and Mona Eakin went to Portland last Saturday to the Rose parade.

Mrs. L. D. Eakin of The Dalles spent the weekend here visiting at the home of her daughter, Mr. and Mrs. Myrtle Smith and family.

Frank T. Bayer returned home Friday from a trip to Canada where he spent several weeks visiting relatives. Mrs. Tom Bayer returned home with him to spend several months here with him.

Mr. and Mrs. Don Clodfelter were in Bend Sunday to attend a luncheon at the Copper Room for the Kappa Psi's, Professional Pharmacy Fraternity, of which Mr. Clodfelter is a life member.

Mr. and Mrs. Bob Guernsey of Portland spent Sunday visiting at the home of Mr. and Mrs. Sim Duncan.

Archie Cantrall returned home Saturday from a trip to Idaho where he visited relatives and also visited relatives at Ontario and Adrian. Their son-in-law and daughter, Mr. and Mrs. Jim Rouda and family of The Dalles spent Sunday with them.

Mr. and Mrs. Boyce Blaylock have as their guests their son-in-law and daughter, E.N.2 and Mrs. Eugene Spencer and family and his brother, Johnny Spencer of San Diego, who arrived here Wednesday.

Mr. and Mrs. Boyce Blaylock and Mr. and Mrs. Curtis Neal spent several days at Suttle Lake last week.

Mr. and Mrs. Tom Higley of La Grande spent the weekend here with her parents Mr. and Mrs. Boyce Blaylock.

Mr. and Mrs. Frank Ketter and daughters returned home Sunday from Tacoma, where they attended the funeral of his father, Steve Ketter on Thursday morning.

Mr. and Mrs. Shelton Fritts and Doran were dinner guests Sunday at the home of their daughter, Mr. and Mrs. Bill Todd, celebrating Doran's birthday anniversary.

Kenneth and Keith Fritts of Moro spent Friday till Sunday here with their grandparents, Mr. and Mrs. Shelton Fritts.

The Blaylock family met at the home of Mr. and Mrs. Orville Blaylock in Moro, Saturday for a pot luck dinner. Present were his parents, Mr. and Mrs. Boyce Blaylock, Mr. and Mrs. E. R. Blaylock, Mr. and Mrs. Tommy Higley of La Grange Mr. and Mrs. Jim Belshe and family of Moro, E.N.2 and Mrs. Eugene Spencer and family and Johnny Spencer of San Diego.

Mrs. Ed Fritts and Mrs. Duane Dunham went to Silver Creek Falls Friday and spent till Sunday at the Women's Camp. Sheryl Blagg accompanied them and went to Corvallis to stay with her mother, Mrs. Ivan Blagg, who is attending summer school at OSU.

Mr. and Mrs. John Rust left June 15 for Bend and on Sunday they went to Wickiup Reservoir and on Monday they went to East Lake fishing till Thursday and back to Bend and home on Friday.

Mr. and Mrs. H. O. Dugger went to Boring Saturday and spent the weekend visiting at the home of Mr. and Mrs. Albert Johnson.

Mr. and Mrs. Pat Sharp had as dinner guests Sunday his mother, Mrs. Art Sharp and Mr. and Mrs. Henry Frischmuth and children of The Dalles.

Mrs. A. A. Dunlap and Mrs. Keith Mobley left Friday for Ione where Mrs. Mobley stayed to visit relatives while Mrs. Dunlap went on to Richland, Wash., to visit her brother and wife. Mr. and Mrs. Ralph Haynes, she returned Monday to Heppner where she visited her daughter, Mr. and Mrs. Art Watkins and then picked up Mrs. Mobley at Ione and returned home.

Science Gaining on Crop Robbing Wheat Pests

Science appears to be gaining ground on the two worst "crop robbers" in the Columbia Basin wheat fields: stripe rust and disease and cheatgrass.

Reports at the Pendleton Experiment Station annual field day here, Tuesday, while far from conclusive, held a ray of hope for wheat growers plagued by these pests. About 125 persons attended the field day and inspected research plots where trials are underway.

M. M. Oveson, superintendent of the station, which is a branch of Oregon State University Agricultural Experiment Station, said stripe rust and cheatgrass control have taken high priority in the research program during the past two years and expanded research is planned for the coming year.

Researchers at the station are attacking stripe rust on two fronts: through chemical control of the disease and through breeding resistant varieties.

Use of chemicals on an experimental basis this year showed considerable promise, reported Donald W. George, research agronomist, who said the ultimate goal is to find a one-shot chemical treatment that is acceptable to the Federal Food and Drug Administration.

Most effective chemical this year was an experimental compound, Stauffer N-3412, that gave good rust control when applied at two pounds per acre in April. It is not yet available commercially, nor has it been cleared by FDA for use on food and feed crops.

Another material, Dithane S-31—a mixture of nickel sulfate and the fungicide Maneb—was effective only when application was repeated three or four times.

Preliminary success with breeding stripe rust resistance into Omar wheat, now very susceptible to the disease, was reported by Charles R. Rohde, cereal crop scientist at the station.

Rohde is optimistic that a strain having Omar's yield and milling qualities, coupled with resistance to both stripe rust and smut, will be available in two years. While it won't equal Gaines wheat in yield, it may have a place in lower rainfall areas where Gaines is not well suited.

Among the common varieties, Gaines winter wheat and Ideal 59 spring wheat are susceptible to stripe rust prior to boot stage, but are moderately resistant during and after the late boot stage.

Rohde has conducted trials and catalogued most common varieties on their susceptibility to the disease. Only Brevor showed high resistance, coupled with resistance to smut. Other one-time favorites such as Elmar, Elgin, and Orford are susceptible; and Itana and Columbia rated highly susceptible in the trials.

Among other spring wheats, Federation is susceptible and Lemhi 53 is highly susceptible, yielding about 25 to 28 bushels compared to about 35 bushels for Ideal 59 after being infected with stripe rust.

Promising new crops for the area under study at the station and reported by Agronomist Laurin Beutler include Lenore winter flax that survived the winter very well when seeded in September. He said plants were in full flower a month earlier than spring-planted flax and might provide an economical crop on dryland in the region if it maintains a history of winter hardiness.

Spring planted crops that show promise for the area in trials at the station include seed flax, mustard and rape, lentils, and safflower.

A project of major interest at the branch station is continuing research to find a chemical that will give selective control of cheatgrass in grain. At present no herbicide has been consistently effective and safe under field conditions, said branch station scientist Arnold P. Appleby.

Appleby also reviewed research trials on cheical summer fallow with combination materials that are giving effective weed control most of the summer. Here, again, the major target is cheatgrass that forms a sod during winter and early spring, making it difficult for farmers to follow a stubble-mulch fallow program for erosion control.

The researcher said a combination spray of six-tenths pound of atrazine and one pound of amilol per acre applied in February gave excellent weed control through most of the summer.

Another treatment designed to knock down weed growth in a winter fallow program was a combination of one pound of amilol and two pounds of 2,4-D applied in early February.

Other research projects underway at the station include types of tillage and rates of fertilizers reported by Oveson and T. R. Horning, USDA agricultural engineer.

Tests to determine the maximum level of nitrogen to which winter wheat will respond economically under common tillage practices were reviewed by Oveson. Tillage methods are moldboard plow, one-way disk, and the sweep, with nitrogen applied at rates ranging from 40 up to 160 pounds per acre for each of the three methods.

Horning has on eight-year study underway, starting in 1961, to measure effectiveness of deep plowing in areas having play pan spots some two feet below the soil surface that block roots from deep moisture and retard plant growth. Tests involve plowing about 36 inches deep at a cost of some \$25 to \$40 an acre to study long-range effects on crop production in combination with various fertilizer applications.

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