

### Grass Valley

By Mrs. A. F. Balzer

Sherman chapter No. 132 OES held a special meeting Thursday evening at the Masonic hall, when the new officers were installed. Mrs. Vernon Eakin was installing officer, Mrs. Owen Eakin, installing marshal, Mrs. Donald Clodfelter, installing organist and Mrs. D. L. Reynolds installing chaplain. Mrs. Frank von Borstel was installed as worthy matron; Wallace May worthy patron; Mrs. Harry Justesen, asso. matron; Harold Eakin, asso. patron; Mrs. Jack Adams, conductress; Mrs. Luther Davis, asso. conductress to be installed later; Mrs. Wallace May, secretary; D. L. Reynolds, treas.; Mrs. D. L. Reynolds, chaplain; Mrs. Owen Eakin, marshal; Mrs. Donald Clodfelter, organist; Mrs. Harold Eakin, Adah; Mrs. Lester Wilson, Ruth; Mrs. E. R. Blaylock Esther to be installed later; Mrs. Art Bibby, Martha; Mrs. J. W. Blagg, Electa; Mrs. Eugene Knott, warder; Eugene Knott, sentinel. Bouquets of red carnation were presented to the new officers as they were installed. Mrs. Jack Adams, junior past worthy matron, presented the past worthy matron pin to Mrs. Vernon Eakin, a gift from the chapter. Mrs. Frank von Borstel presented a Parker "51" pen to Mrs. Wallace May as a gift from the chapter. Mrs. von Borstel incoming matron, presented bouquets of red carnations to the installing officers. Mrs. Vernon Eakin, outgoing matron, presented a gift to Mrs. von Borstel, the incoming matron.

Mrs. Donald Clodfelter gave an explanation of the personal marches she played for each officer as they were installed. Short talks were given by the new officers and visitors. Among the visitors were Mr. and Mrs. V. B. Eakin of The Dalles, Lester Wilson and Frank von Borstel. Refreshments of cake and coffee were served buffet style from a lace covered and decorated table at the close of the meeting.

The Grass Valley IOOF lodge held its regular meeting Wednesday evening followed by joint in-

stallation with the Rebekah lodge. Installing officers were Orville Ruggles, district deputy grand master, and Mrs. Willard Barnett, district deputy president; Willard Barnett and Mrs. Art Schilling district deputy marshals.

Claud Bayer was installed as noble grand succeeding Don Smith; Jack Brady, vice-grand; Edgar Alley, secretary-treasurer; Jack Brady, warden; Bill Alsup, conductor; Robert Schilling, chaplain; supporters to the noble grand, Willard Barnett and Harold Owens; supporters to vice-grand, Orville Ruggles and Kenneth Crews; inside guardian, Frank Payne; outside guardian, Fritz Rohweder.

Installed for the Rebekahs were Mrs. Kenneth Crews, noble grand succeeding Mrs. Don Smith; Mrs. Jack Brady, vice-grand; Mrs. Willard Barnett, secretary; Mrs. Earl Olds, treasurer; Mrs. Claud Bayer, warden; Mrs. Frank E. Bayer, conductress; Mrs. Frank Ketter, chaplain; Mrs. Everett Cantrall, color bearer; Mrs. Orville Ruggles, musician; supporters to the noble grand, Mrs. Archie Cantrall and Mrs. Art Schilling; supporters to the vice-grand, Mrs. Harold Owens and Mrs. Bill Alsup; inside guardian, Mrs. John Rust and outside guardian Mrs. John Alley.

Refreshments of sandwiches, cake and coffee were served to 43 people at the close of the meeting by Mrs. Alfred Koch, Mrs. Donald von Borstel and Mrs. H. N. Riggs.

George Geiser of Moro and Mrs. Joe Hammond took Mr. Hammond to the hospital in The Dalles by ambulance about 3 o'clock Saturday morning suffering from a heart attack.

Mrs. Ted Kelly was hostess to the bridge club at her home in Kent Thursday. A 1:30 dessert was followed by bridge at two tables. Mrs. Kelly held high score, Mrs. A. F. Balzer second, and Mrs. Art Bibby low. Mrs. Herman Peters won the traveling prize. Others present were Mrs. Eben Kee, Mrs. Alfred Koch and Mrs. Donald Clodfelter.

Mrs. Joe Hammond and daughters, Mrs. John Reckman and Mrs. Carl Schadewitz were in The Dalles Monday on business. Mrs. Hammond visited her husband at the hospital and reported he was improving.

Mr. and Mrs. Bill Alsup and family moved from the Al Fox house to the Edgar Alley house. Mr. Fox is moving to his house vacated by the Alsups and the Jack Brady family will be moving to the house vacated by Mr. Fox, having bought the house from Mr. Fox.

Hays Boyce of Portland was an over night guest Wednesday at the home of his sister, Mrs. Orville Ruggles and family.

Mr. and Mrs. Arzell Lemley went to Portland Wednesday to visit his brother, Frank, at the hospital. He was much better and they took him to the home of his parents, Mr. and Mrs. Charles Lemley in Gresham for a few days. The Lemleys returned Thursday.

Mr. and Mrs. Bill Johnson and family went to Portland Friday on business returning Sunday.

Mrs. Olan Stark and her mother Mrs. W. D. Barnett were business visitors in The Dalles Friday.

Mr. and Mrs. Eben Kee were dinner guests Saturday evening at the home of Mr. and Mrs. Herman Peters. They spent the evening playing bridge.

Mr. and Mrs. Will Zimmerman of Vernonia arrived Thursday and spent until Sunday visiting her brother and sister, Mr. and Mrs. Arzell Lemley. Mrs. Zimmer-



Robert Thornton

Mr. Thornton is serving his first four year term as Attorney General and will have to run again this year. He is a Democrat. He served one term as a representative from Tillamook county.



Carl Francis

Mr. Francis is a Republican from Yamhill county who has long served in the house and one session in the senate. He has announced that he will run for the Republican nomination.

man is the former Elsie Lemley. Mrs. Alfred Koch and Fritz Rohweder went to Portland Friday for a dental appointment for Mr. Rohweder. They returned Saturday.

Mr. and Mrs. E. R. Blaylock went to The Dalles Tuesday on business and returned home Wednesday.

Herman Peters came home Friday from Dayton, Wn., and spent the weekend here with his family.

Mr. and Mrs. Frank Says and son, Tony, of Moro were dinner guests Sunday at the home of Mr. and Mrs. Frank von Borstel, celebrating the birthday anniversary of Mrs. Says.

The American Legion auxiliary met at the home of Mrs. J. E. Norton at Kent Wednesday afternoon. Mrs. Frank von Borstel, past president, conducted the meeting. Plans were made for the dinner to be given for the Rebekah convention February 29. Mrs. von Borstel showed slides of the national wedding and of Carol Norton's wedding. Reports were read on the 40 et 8 dinner and the New Year's dance supper. Mrs. A. A. Dunlap, child welfare chairman, gave a talk on child welfare and plans for the Easter dresses to be made or purchased for the child welfare. Mrs. Wallace May gave a membership report of 56 members and in her report said membership dues must be in to be sent to state headquarters by January 31. Members present were Mrs. von Borstel, Mrs. May, Mrs. Dunlap, Mrs. Jerry Wilson, Mrs. Oliver Schadewitz, Mrs. Robert Tatum and daughter, Bonnie. Mrs. Harry Justesen was a guest. Refreshments of jello, salad cookies and coffee were served at the close by the hostess.

Mrs. C. P. Adams of The Dalles arrived Monday and was an over night guest of her daughter, Mrs. Donald Clodfelter and family. Tuesday she accompanied the Clodfelters on a vacation trip to California. Mrs. Adams will stay and visit her brother and sister in law, Mr. and Mrs. G. L. Wible at San Jose, while the Clodfelters go to southern California, Arizona and other southern points. Mr. and Mrs. Donald Marsh and family of Hood River will stay at their ranch while her parents are on their trip.

Grass Valley and Kent and vicinity experienced the worst silver thaw in years Sunday. About 3 or 4 inches of snow fell Friday night and Saturday it started to rain and by 4 p. m. it was sleeting. It rained all night and froze and by morning everything was covered with about an inch of ice. The trees began to break all over town and the power and telephone lines were down. Out toward Kent the power and telephone poles were down, too. The power company had some power restored

by noon Sunday and the telephone company had some of the lines restored Monday and are still working on them. The chinook winds Sunday night caused all the ice to fall off the trees and lines. Clean up crews are working to clean up the debris of fallen limbs and branches.

### Scientists Try To Learn How Plants Die

Using radioactive carbon dioxide as a tracer, two Oregon State college agricultural chemists have mapped out a pathway through which 2,4-D kills plants.

S. C. Fang and Joseph Butts report that 2,4-D slows the transportation of sulphate and phosphates within plants. These two chemicals are essential ingredients for plant life.

The exact pattern of the slow down hasn't been discovered as yet. But it has been shown that the effect is a strangulation of the plant's ability to convert sugars and other "raw" materials into higher forms of energy and proteins necessary for plant life. The two men also studied other physical and chemical plant functions to find if they are affected by the 2,4-D. They found that photosynthesis—the conversion of carbon dioxide and water into starch—was affected, but the uptake of nutrients from the soil was left undisturbed.

Some hint as to the form the strangulation pattern may take is revealed in research being carried on by a group headed by LeMar F. Remmert, another OSC agricultural chemist. This group has been studying the effects of 2,4-D on the complex chemical reactions that take place inside individual plant cells.

So far, they have found that at least one of the soluble enzymes (proteins that help chemical changes take place within the cell) is prevented from doing its normal job by the 2,4-D. The job now facing the scientists is to find out exactly which enzyme or enzymes are affected so methods can be worked out to control the stangulation effect more precisely and efficiently.

This type of research aims at a better understanding of "how" herbicides kill plants. Once this is known, it may be possible to develop chemicals that will do a better job of killing weeds, the researchers point out.

### Most Motorists Like Federal Road Help

A federal highway improvement program, similar to the one proposed to the last congress by President Eisenhower, was favored by 80% of a group of nearly 3,000 Oregon motorists, polled by the Oregon State Motor association recently, the Oregon AAA club announced today.

The association asked the motorists these questions: "Do you believe congress should enact a bill providing for the improvement of the Interstate Highway System along the general lines laid down by President Eisenhower?" and, "Do you favor extending the time for the re-construction work (on the highway program) from 10 years to 15 years, as recently suggested by Governor Patterson?"

To the second question, more than half said yes. Comments from motorists indicated an awareness of the need for better highways to keep pace with the increased motor vehicle registration and heavy increase in motor vehicle usage, the Oregon AAA club reported.

The board of directors of the Motor association recently notified members of the Oregon congressional delegation that the Oregon club favored prompt action on getting up a federal highway improvement program.

### Foods Change When Treated For Keeping

Wide variations in flavor, appearance and texture of different foods treated with radioactive materials have been reported by an Oregon State college food technologist, who urges large-scale tests to determine how well irradiated foods will be liked and accepted by consumers.

Dr. H. W. Schultz, head of food technology at Oregon State, points out that ionizing treatments held tremendous possibilities for preserving foods without refrigeration and for ridding foods of parasites.

It is still impossible to say, however, whether the flavor and "looks" changes that come with treatment of many foods will make them "unacceptable" to consumers, Schultz continued. Research is needed to clarify these points.

Some foods such as milk and cheese, bananas, orange juice, and certain cured meat products such as frankfurters have become notorious examples of producers of undesirable flavors when irradiated," the OSC food processing expert said.

On the other side of the picture, beef liver, broccoli, carrots, brussel sprouts, chicken, codfish cakes, pork and sausage rate "good" on the appraisal chart.

Many meats—which are among the key foods under study—show promise, Schultz said. It appears that irradiation of meat may cause no greater flavor changes than those produced in some foods in canning or freezing, he reported.

Raw meat generally is "very slightly browned on the outer surfaces when given ionizing treatments, Schultz found, but when cooked "there is no discernible effect." Texture sometimes is changed. Ground beef takes on a "crumbly" texture when irradiated at high dosages and beefsteak texture is described as "softened."

A panel of trained taste testers rated the irradiated meats "different" than non-irradiated, Schultz said, but it is not known to what extent this difference will influence consumer acceptance of the meats.

No changes in flavor or texture have been reported with bread but a "light straw" color resulted from the ionizing treatment. Potatoes have been found to develop

an "off flavor" and brownish color. Eggs give a stale appearance.

The three major areas for which ionizing radiations might be considered for foods according to Schultz, are (1) for preservation by total sterilization using relatively large dosages of radioactive materials; (2) "pasteurizing" treatment where smaller dosages are used to cut the microbial population and extend storage life; and (3) for destroying parasites in food products using still smaller dosages.

OSC has an extensive program of research underway at present on meats. Heading up these studies are Robert F. Cain, E. C. Bubl and H. C. Nordan. Findings to date show ionizing treatments might make it possible to keep meat for long periods without refrigeration.

In the studies, raw meats are canned and then sent to Arco, Idaho, for immersion in canals where radioactive rods are "cooled". Other foods are treated in a similar fashion.

### Traffic Deaths Down For 1955

Oregon's 1955 traffic deaths were set tentatively at 400 Friday, a decline of 21 from the 1954 total.

Secretary of State Earl T. Newbry said the decrease places Oregon among the comparatively few states managing to turn their traffic death counts downward in 1955. The nation as a whole suffered about a six percent increase, according to information received from the National Safety Council. Through October, 38 states had reported fatality increases ranging from two to 38 per cent.

Most of Oregon's bettered record came in December, Newbry said, with 35 deaths now recorded during that month as compared with 53 in December of 1954. Receipt of delayed reports of the deaths of persons now listed as injured may force an upward revision of the December count, but Newbry said he was confident the state would at least hold most of the gain.

The year's worst traffic-killing months were July with 45 dead, August with 42, and October, 48. The "S-D Day" campaign covering the 21 days from November 21 through December 11 saw 20 Oregon traffic fatalities as compared with 34 during the same period in 1954.

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