

Bride Honored By Grass Valley Women

Mrs. E. E. Gervais of Prineville arrived Wednesday morning to attend the shower given in honor of her daughter, Mrs. Bernard Thornton. They were guests at the Art Bibby and Dell Olds homes.

The Ladies Social Service club met for its Christmas party at the home of Mrs. Glen Karnes Thursday afternoon. Mrs. T. M. Rolfe was in charge of the program which included games and readings with an exchange of gifts. Refreshments were served to 19 members and guests.

Rev. and Mrs. Lloyd T. Anderson of The Dalles came up Sunday afternoon and he preached the sermon at the Baptist church. Mrs. Ellen Potter and daughter Phyllis, accompanied them for church and to visit friends.

C. W. Fields and Mrs. Elna Rawleigh motored to The Dalles Sunday to meet Kenneth Barnett, Ross Fields and Art Roth who returned from Portland.

Mr. and Mrs. Rodell Schassen of Portland spent Sunday visiting at the homes of Mr. and Mrs. Willard Barnett and Mr. and Mrs. Frank Pike.

Mrs. Elizabeth Strange of Portland arrived Friday to spend some time visiting her daughter, Mrs. Matt Simon and family.

Mrs. Henry Roth left Monday for her home in Olympia, Wash., after spending about ten days visiting her daughter, Mrs. Kenneth Crews and family and her son, Arthur.

Miss Betty Olds left Saturday for Portland to spend the week end visiting friends.

Wallace May went to The Dalles Saturday to visit his mother who is ill in a hospital there.

There was a good attendance at the double header basketball games at the Grass Valley gym Friday evening when Moro-Grass Valley teams were defeated by Kent quintets, the first team scores being 42-27 and second team scores 13-11.

Mr. and Mrs. Roy J. Baker were business visitors in The Dalles Thursday.

Ned Bottenberg of Redmond spent several days last week visiting at the home of Mr. and Mrs. W. F. Schilling.

Mr. and Mrs. Roy J. Baker left Monday for their home in Gresham after spending several months here looking after business.

Mr. and Mrs. Gus Schilling of Goldendale, Wash., were weekend guests at the W. F. Schilling home.

Mrs. Edgar Alley entertained members of the Junior bridge club and additional guests at her home Wednesday at a 1:30 desert luncheon. Contract was in play at two tables with high score being held by Mrs. Roy Schilling and with Mrs. Ed Alley receiving the guest prize.

Mrs. Art Bibby and Mrs. J. S. Newcomb were hostesses at a bridal shower at the former's home Wednesday evening in honor of Mrs. Bernard Thornton, nee Irma Lee Gervais, formerly of Grass Valley and now living in Portland. The evening was spent playing games after which the bride opened the gifts and refreshments were served to about 35 guests.

Mr. and Mrs. Clyde Smith were visitors in The Dalles Thursday. They were accompanied by Kenneth Barnett, Ross Fields and Arthur Roth who went on to Portland where they were sworn in to the navy.

Among the shoppers in The Dalles Saturday were Mr. and Mrs. C. M. Cleveland, Mrs. Alice Linn and daughter, Miss Emma Jean and Mrs. Dell Olds, Mrs. Harold Scholl, Miss Harriet Cole, Mr. Eakin, Mrs. A. F. Balzer, Mr. and Mrs. W. D. Barnett and daughters John Beuther, Freda Beuther, Mr. and Mrs. Millard Eakin and children.

FARM TRACTORS IN WARTIME

Gasoline for Less Wear and Tear
(Fifth of a Series of Six Articles)

By A. P. Peck
Managing Editor, Scientific American

Farm tractors are of tremendous importance to the war effort today, representing, as they do, the farm power required to produce the foods and many of the fibers needed to feed, clothe, and equip not only the Army, Navy and civilian population of the United States but also to a large extent, of our allies as well.

It is, therefore, to know that many farmers who have been operating tractors that burned distillate or kerosene have found that by simply changing from these fuels to gasoline they gained an immediate increase in power of some 12 percent; by high-compression engines, this power increase has been pushed to as high as 30 percent. And, what is equally important, since the production of tractors has been severely curtailed and most of those now in use will have to last for the duration, these farmers are finding that gasoline will add measurably to engine life.

In tests recently completed by research engineers, two similar tractors were operated for nearly 400 hours each, one on distillate and the other on gasoline. These tractors were put to the same type of work for the same periods of time and at the end of the test both engines were torn down and minutely examined by experts. It was found that the engine parts of the distillate-burning unit were worn much more than those of the gasoline-burning engine; rings 1 percent more; pistons 135 percent more; cylinder walls 66 percent more; crankpins 135 percent more.

During these tests it was found that oil consumption of the distillate-burning engine increased as wear continued and the lubricating oil was badly luted, showing that there is a direct link between fuel and wear and crankcase dilution. It is difficult to vaporize distillate and other low-grade fuels. Thus some unburned fuel reaches the cylinder, and is unburned. This unburned fuel flows down the cylinder walls, past the pistons, and dilutes the oil in the crankcase. Diluted oil, of course, cannot do its lubricating job properly, and the result is that the engine parts show far more wear than with undiluted oil. And the greater the wear, the more dilution occurs.

To these important factors of more power and less wear and tear through the use of gasoline in place of distillate in tractor engines can be added other advantages of interest to farmers. Tractors using low-grade fuels carry two fuel tanks, one for gasoline for starting and one for the fuel to be used after the engine gets hot. This means that two liquids must be handled and stored on the farm.

Gasoline means easier tractor-engine starting in all kinds of weather, smoother operation, and easy idling. Then, too, it looks at the time of writing as though distillate and kerosene soon may not be available as tractor fuels in many localities, and there will be a surplus of gasoline. The Office of Petroleum Coordinator is investigating the shortage of heavy oils and it is quite possible that any tractor owners now using distillate may soon be forced to change to gasoline. It is fortunate that those farmers, whether they are familiar with them or not, will learn of the many advantages of gasoline has to offer.

Next Week: More Tractor Power for More Work

Miss Louise Fraley of Portland and Mrs. Edison Sutherland of Pullman, Wash., accompanied the Bibbys home for a visit. Miss Fraley returned to Portland Sunday.

T. M. Rolfe went to Corvallis Tuesday to bring his son, Robert home after his graduation from OSC at mid-term.

Mrs. Etha Schilling, Mrs. J. S. Newcomb, Mrs. Glen Karnes and Mrs. Ed Alley were visitors in The Dalles Thursday.

Wallace May motored to The Dalles Tuesday to visit his mother at the hospital. Mrs. Art Bibby and Mrs. Edison Sutherland accompanied him to that city to see their father who is also ill.

The Junior Auxiliary had election of officers with the following results: Rita vonBorstel, president; Thelda Beyers, vice-president; Mary Lou vonBorstel, secretary; Eileen Lemley, treasurer.

Hi-WAYS TO HEALTH by ADA R. MAYNE OREGON DAIRY COUNCIL

TODAY'S FOOD SUPPLY

Until recently we in the United States have had an abundant supply of food with many choices in the various food groups. We still have a greater supply of food, and a greater variety than any other country in the world, but not the choice to which we have been accustomed.

Homemakers, doing the marketing, may find whole sections of the grocery shelves empty—the dried fruit counters may offer only prunes, and those in limited amounts; canned salmon is seldom to be had. Canned fruit juice is often sold only two cans to a customer. We have been asked to limit the amount of other canned foods we purchase, and even fresh vegetables and fruits are not so plentiful as formerly, and may be

considerably higher in price, due to limitations of transportation facilities.

With this situation at hand, it would seem patriotic for all of us to learn enough about foods so that we know how to alternate one for another without sacrificing food value. In the share the meat program, many families will work out a plan of using less according to their individual preferences. Some may like meatless days, while others may prefer some meat each day with smaller amounts in each serving.

Cheese can be the answer to the current question of what to serve for a protein dish, for rich satisfying main dishes can be made with cheese which contains valuable milk protein. A cheese souffle or cheese fondue may be used on meatless days—or this Cheese Meat Loaf, which will make your allowance of meat go farther.

Cheese Meat Loaf
4 slices bread, broken into pieces.
2-3 cup milk
1 lb round steak, ground
1-2 lb bulk sausage
1-3 cup onion, cut fine
1-4 cup green pepper, cut fine
1 cup grated cheese
1-2 tsp salt, 1-4 tsp pepper
4 slices bacon
1 cup canned tomatoes
Soften bread in milk. Then combine softened bread, ground beef, sausage, onion, green pepper, grated cheese and salt and pepper. Mix well and mold into a loaf. Place in a loaf pan and top with slices of bacon. Bake in a moderate oven (350 F) for an hour. Add canned tomatoes and bake 15 minutes longer. Serve hot. Serves 6.

Care of Motor Explained by Corey

Although it will be difficult to replace many types of electrical equipment for the duration, strict observance of easy to follow rules will prolong the life of electric motors necessary for pumping and other farm work, points out Glen Corey, Pacific Power & Light Co. district manager.

Heat caused by excessive or continuous overloading, or by dirt in the motor windings may cause damage to both windings and bearings. Proper shielding of the motor to keep it clean and dry will make it last longer and

give better service. Motor windings should be cleaned with a vacuum cleaner or air hose. Bearings should be checked for wear at regular intervals.

The motor oil supply should be inspected regularly and kept at the proper level, but lubricants should be used sparingly, for over oiling will damage insulations.

Bearings should be oiled only when the motor is stopped and spilled oil should be wiped clean.

T. Lester Johnson
LAWYER
WASCO MORO



Give Him The Greater Gift ++

● A drum, a little red wagon, a picture book... these are gifts that bring joy to a boy's heart. But you can give him a far greater gift. You can give him the right to live as a free American... the advantages of liberal schooling... the freedom to follow his religious beliefs... the privilege of choosing his life-work... yes, even the unquestioned right to gain a world of knowledge and pleasure through travel.

All this you can give him by doing whatever you can—no matter how little—to win this war so that he may live to appreciate fully the true meaning of Christmas... peace on earth and good-will toward men.

Today, in the Union Pacific family, thousands of fathers are working tirelessly to justify the steadfast faith of their children. Theirs is the task of assuring the safe transportation of trainloads of war materials and troops. It is a tremendous job but they are doing it gladly. They know, as do we all, that only through hard work and sacrifice can we give our little ones the greatest gift of all... peace and freedom.

For information concerning passenger and freight transportation, consult local representative.

The Progressive UNION PACIFIC RAILROAD The Strategic Middle Route

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Old Hermitage smoothness and Old Hermitage flavor are old, old holiday traditions among men who love good bourbon.

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ORIGINALS FOR JUNIORS

"Daisy Chain"
All the swish and excitement of the time interwoven in this Cabana Rayon Crepe dress—with exhilarating whiffs of blazing daisies and staccato polka dots. American Navy, Plantation Brown, Jet Black. Sizes 9-15.
\$7.98

"Triple Treat"
The kind of dress that melts into your mood. Guileful rayon acetate jersey—the full, shirred skirt hand-screened—the solid blouse spiked with gros-grain ribbon bands of color. Black/white, red/white, luggage/white. Sizes 11 to 15.
\$10.95

"Lambie Pie"
A go-anywhere sofie this Filipino Rayon Crepe dress—a "Mary had a little Lamb" in embroidered felt bedecks the blouse and follows thru in the dirndl skirt. Skyscope, Starlight Gold, Glacier Ice. Sizes 9 to 15.
\$12.95

A. M. Williams & Co.
The Dalles "Where all the Mid-Columbia Shops"

DEPENDABILITY

In these times more than usual it is important to have a dependable grocer—In wartime prices and quality and even quantities are subject to change.

Quality here will be good, prices will be fair and quantities what is allowed.

Zeigler's Quality Store **Grass Valley**