

Log Weights Cause Worries

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miles an hour apply on bridges, 35 miles an hour on the road when loaded, and 45 miles an hour when empty.

7. That it be the responsibility of the logger to remove his dropped logs; for 10 days the county can appropriate them.

8. That the county weighmaster may require a trucker to have his load weighed on state scales; the permit may be taken away if the trucker refuses.

Commissioner Walter Holland says the laws should be enforced, but he believes the proposed regulations to be too strict.

"Over 65 per cent of our county's income is from logging," he said, "and logging shouldn't be restricted too much."

We used to have a weighmaster, Holland recalled, "but the loggers just made fun of the old fellow." Holland doesn't believe the suggested regulations would apply so well. "Those other counties are smaller and don't have the same problem," he said.

"Hard on Little Fellow"

Holland also believes the regulations would work a hardship on the "little fellow."

It would cost too much, even if the county did adopt the program, the commissioner said. He suggested the addition of \$5 to the annual state license fee and one cent a gallon to the state gasoline tax. (Counties get 19.7 per cent of the state gas tax—apportioned on population.)

Besides the restrictions wouldn't "help the roads any," said Holland. "Send the state police out if the truckers get too bad."

"Too Strict"—Wheeler

State police officers weigh on county roads only when they are supplied with loadometers by the state highway department.

(Last week an expedition like this caught one logger with 95,900 pounds on his truck—27,900 pounds overweight.)

Commissioner Wheeler said he favors some regulations, but doesn't approve of the cost, the speed limits required, truckers' responsibility for road damage, or



(NEA Telephoto)
Elmer A. Benson (above), one-time Governor and Senator of Minnesota, was named national chairman of Henry A. Wallace's third party. Benson rates more than 20 citations in reports of the House Un-American Activities Committee which record alleged Communist front affiliations.

the restrictions on hauling after dark.

He said it would be hard on the trucker who uses only a quarter of a mile of county road before he hits the state highway.

AT LONE PINE

LONE PINE — Mrs. John Scott was honor guest at a pink and blue shower given Jan. 29 in the Nathan Lemert home, with Mrs. Lemert and Mrs. Lester Gunson as hostesses. Twenty-five women attended.

Eniwetok, where new atomic energy experiments are being developed, is 190 miles from Bikini where the first post-war atomic bomb was tested.

It is estimated that England's population was reduced from about four million to about two million in the great plague of the 14th Century.

Storms that are commonly called "northeasters" along the Atlantic coast of the United States usually move up from the south or southwest.

Success Shown By 'Heat Pump'

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tubing, containing the refrigeration gas, Freon, would be required beneath the surface of the earth for heating and air conditioning a five-room house.

Very Low Boiling Point

The heat units are extracted from the earth by the Freon, and additional heat units come from friction in the refrigeration compressor. As a liquid Freon has an extremely low boiling point.

When it passes through the tubing into the heat pump unit where it is compressed. Putting it under higher pressure brings out the heat and the gas then is passed through a radiator.

A fan radiating through the radiator carries the heat into the building's heating pipes and also cools the Freon. As it cools it becomes liquid again. The fluid passes through an expansion valve on its way to the outside tubing. The liquid Freon is used in the refrigerating end of the system, working on the same principle as any other refrigerating unit.

Koch Refrigeration has set up a make-shift unit which uses water on the same principle. The firm is using an ordinary refrigeration unit to obtain the heat units from water instead of the earth. The water is piped into a copper tube from the bathroom faucet.

The tube containing the stream of water is housed in a larger tube, which contains the Freon. Although the Freon and the water never mix, the gas still extracts the heat units from the water.

Keeps 72 Degrees

The same type of blower system, with thermostatic control, has heated the firm's office in recent few weeks. The use of well water on the same principle is more efficient than tap water, since the constantly-running faucet water gets too cold. In addition, the water can be circulated only once through the tubing, and it is lost down the drain after it is once used.

The firm has been able to maintain a temperature of 72 degrees despite the icy coldness of the tap water.

A heat pump for a house with 1200 square feet of floor space is listed at about \$2100, including installation and air conditioning. It would be about \$250 less without the air conditioning.

The local firm estimated that a three-horsepower motor would be needed to operate the compressor in a five-room house. A check with the Eugene Water Board showed that a unit of that size could be operated 24 hours a day for a year at a maximum cost of \$15 a month.

The unit is thermostatically controlled, however, and would not be operating when the desired temperature had been reached.

The cost of operation would depend greatly upon the highest desired temperature, and upon the outside temperatures. During the summer, the system is reversed for air conditioning, and again would not be operating when the weather was comfortably cool.

Koch installed its first unit in a new River Road home, where soil conditions and drainage conditions meant burying the copper tubing only three feet under the surface.

Robert Wilmsen, young Eugene architect, is planning the use of the pump in a new home for his family on Mallbar Hill. Wilmsen will use the tubing in the walls and floor, thus eliminating entirely the need for registers.

The first persons known to have installed the new system in Lane County were Earl Darrow and Don Hughey, owners of the Sportsman's Cafe in Oakridge. They said they "wouldn't trade it for anything."

The unit they bought cost \$1750. Freight and installation charges brought the price to \$1950. They use city water instead of a ground well.

Freon is harmless, and Koch says it can be drunk "if you like the taste of it." Freon was used as an effective insecticide by troops overseas during the war, and was difficult to obtain in the states, Koch added.

Chemically, Freon is a gas one molecule of which contains one atom of carbon, two atoms of chlorine, and two atoms of fluorine.

Tragic Story of Oregon Pioneers Of 1849 Traced; Kin Living Here

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into the hollow, our eyes again caught sight of the wind-swept trail tipping the crest of "Windlass" and thence into the descent.

"I walked the trail and came upon a wayside grave that led us on to a tireless search lasting nearly five and one-half years before we contacted relatives who gave up the story of the life and death of a beautiful young bride, who died and was buried beside the trail nearly a century ago.

"On the grassy slope near the broad opening of Ash Hollow is the grave. Someone had knelt beside the grave and with a pocket knife carved deep into the rough-hewn marker the crude inscription, '1849, Rachel E. Pattison, age 18, June 19.'"

No Clue Was Found

Morrison searched old diaries, but found no clue to Rachel's home or her family. Then he sent out letters, state by state, county by county, until the following story was finally revealed:

Rachel E. Warren and Nathan Pattison were sweethearts who lived in a rural settlement of a frontier county in southern Illinois. Nathan lived with his father and mother, William and Mary Pattison, and his five brothers. The family sold its acreage before the trek west. Rachel and Nathan married April 2, 1849, and the Pattison family left April 10.

The party consisted of William and Mary, six sons, two daughters-in-law, Rachel and Jane, a grandchild, and two others. They had three wagons, horses, mules, and oxen.

While going through Missouri, near St. Joseph, lightning struck the train, killing five of the mules and one horse. They crossed the



A GREAT GRANDDAUGHTER is Mrs. Waldo Hardie of Eugene, of William and Mary Pattison (Staff Photo, Wiltshire Engraving).

Missouri River May 18 and entered Indian country. They reached the Blue River June 2 and Fort Kearney, Neb., June 5.

Struck by Cholera

They crossed the South Platte June 13 and reached the North Platte the next day. They camped on Sunday, June 17. That day three steers died of what they thought was some kind of food poisoning, but was actually cholera.

In the early afternoon of June 18 the company reached Ash Hollow and the next morning Rachel took to her bed with cholera. She died that evening on a makeshift bed of blankets beneath the canvas of a covered wagon.

The Pattisons pushed on. An aunt, Charlotte, died of trail hardships in the Blue Mountains of Oregon and is buried in a pass just east of Pendleton.

On Nov. 3 they arrived at The Dalles. A month later, wagonless, with only two mules left, and many of the family barefoot (they had traded their shoes and clothing for Indians for food) the Pattisons reached Fort Vancouver.

Descendants are reported living in Eugene, Corvallis, Olympia and other parts of Washington.

Never Married Again

Nathan Pattison never married again, but went on into Washington with one brother. Mrs. Hardie's grandfather, Robert Pattison, settled here.

The Aikens and McCornacks from her grandmother's side, settled in Eugene. Stuart Aiken was

one of the founders of the First National Bank of Eugene.

Until Morrison traced the family history, Mrs. Hardie says she didn't know the story of Rachel, nor of the hardships the Pattisons experienced. "My grandfather wasn't much of a talker," she explains.

School Radio Station Unique

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national School, who superintended its installation at a cost of approximately \$10,000. The main studios are on the top floor of the vocational school, and the transmitter is located in that building with the transmitting antenna jutting skyward from its cupola.

Another studio, connected by direct wire hook-up, is located at Eugene High School.

To carry the KRVM programs into individual classrooms, each of the three junior high schools has a central sound (public address) system. A sound system to serve 60 rooms is now being installed at Eugene High, and all the other schools in the city system have some provisions for receiving the programs.

At present, Houghlum has announced, students at the vocational school are constructing sound systems for all the schools not so equipped already.

Wide Benefits

Part of the educational worth of the station, Houghlum explained Saturday, lies in its use in training vocational school students in the technical theory of frequency modulation broadcasting and the

techniques of station operation including announcing.

Students of the other city schools will be benefited, he said, only through programs of participation in some of the shows.

Miss Lucille Anderson, director for KRVM, said programs have already been produced in connection with art, history, physical education, literature and science classes in the school system.

First and second graders, as their older schoolmates taken part in some of the

features have given the school receivers in this area — opportunities to hear presentations — advanced by public school other citizens.

Confidence

L. L. Erdmann, director of vocational school, has no confidence that the school's investment in the station will yield beneficial educational aid.

"The trend when the vocational school was established in 1938," he said, "and the stages that have since accrued its use have created widespread interest. I am sure that the of KRVM will also be the of Eugene school system."

MAY ASK RESIGNATION

SALEM — UP — The State Journal Saturday quoted John H. Hall as saying he ask Public Utilities Commissioner George H. Flagg to resign post if Flagg decides to retire against Earl T. Newberry's re-election.

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