

Fire deaths increase

An alarming number of fire related deaths occurred in Oregon during November according to the State Fire Marshall's office. Fourteen persons perished in house fires during the month, the highest number of fire deaths reported since January, 1977.

Three of the deaths were children under age 12.

Nine of the deaths were attributed to asphyxiation, four to burns and one to physical injuries received while attempting to escape the fire.

Carelessness with smoking materials, cigarettes and matches was the leading cause of the tragic fires, accounting for eight of the deaths. Overindulgence in alcoholic beverages was also a factor in a high percentage of the smoker related fires.

Historically, the month of January and February are usually the worst months of the year for residential type fires. This is due to cold weather placing peak

demands on heating and electrical systems, holiday party activities, holiday decorations of flammable materials and the use of electrical appliances such as popcorn poppers with frayed cords.

The increased use of candles, especially when used in conjunction with flammable or combustible decorations, are also a significant hazard. All candles should have a non-combustible base and should be extinguished when occupants of the room leave the area.

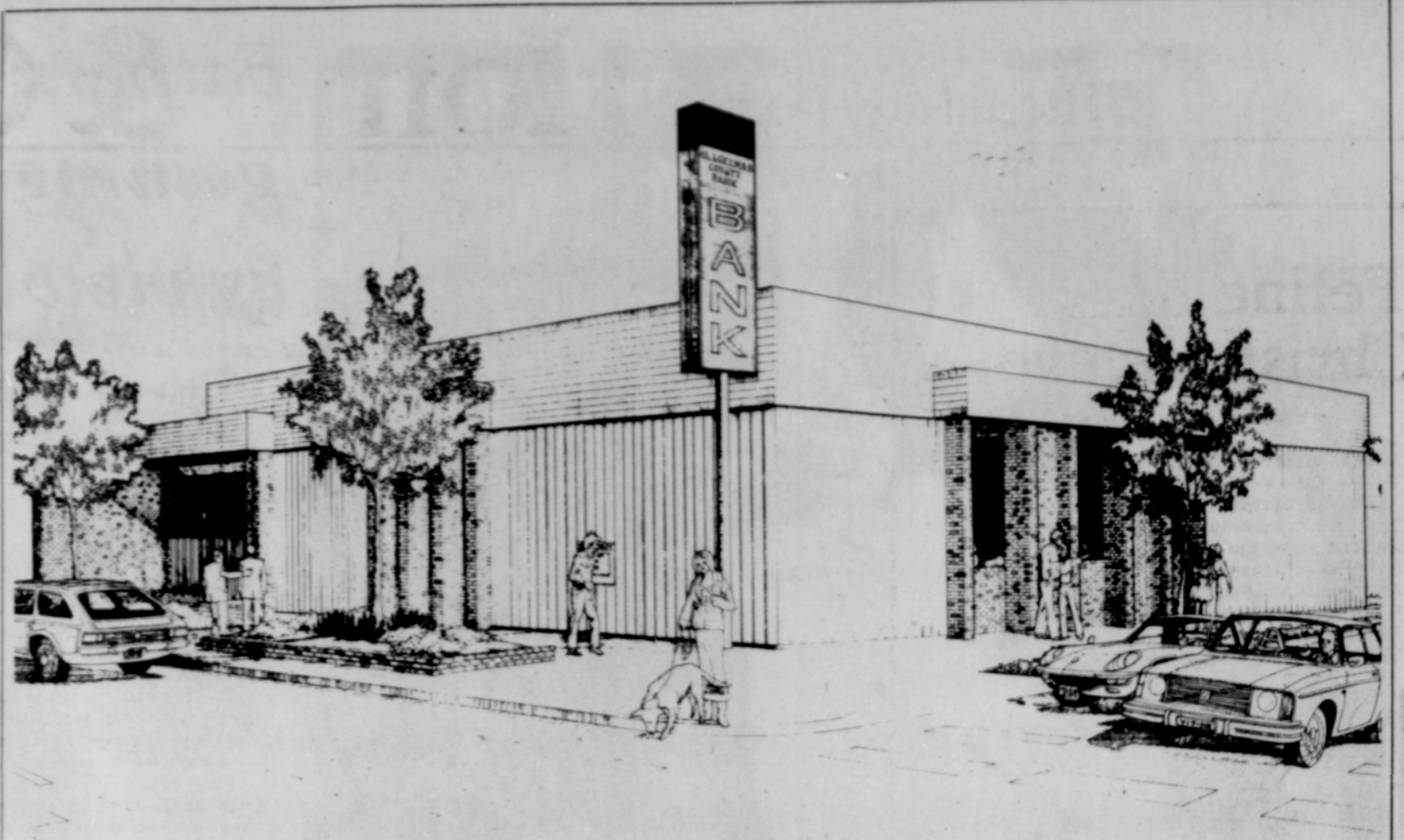
State Fire Marshall Clyde Centers said Oregonians should be particularly careful during the holiday season and help reduce seasonal losses of property and life from fire. All of these fires can be prevented with a little care, caution and common sense, he said. The Fire Marshall also

reminds those who own smoke detectors to test the devices and replace the battery if necessary. A functioning smoke detector is a life saving gift that would be welcomed by friends and loved ones this holiday season, he added.

Fundraising chairman appointed

Ed Ellis, 32, vice president of I-D, Inc., Portland, has been named Tri-County Chairman of the March of Dimes in charge of fundraising.

Ellis is a University of Oregon graduate, member of Tournament Golf Inc., and Chairman of The Oregon Product Liability Task Force.



Remodeled bank

ARTISTS' CONCEPTION of a remodeled Clackamas County Bank in Sandy shows how the facility should look in late spring when completed. The \$500,000 expansion project will include more tellers' windows, expansion of drive-up banking facilities, a new walk-up window outdoors and extensive

remodeling indoors, according to bank chairman Kent Hall. The bank will be enlarged from 5,000 to 7,000 square feet. Epping Engineers of Salem are the designers, while Woodburn Construction Co. is the contractor.

Barlow Trail Inn

-- ANNOUNCES --

Live Country Music

Friday & Saturday, 9 p.m. - 2 a.m.
Jam Session Sunday, 5 - 10 p.m.

ALSO

SMORGASBORD

(All you can eat)

6-9 p.m. every Tues.

\$4.95 adults; 1/2 Price, 6-12 yrs.

Kids under 6 eat free!

New owners Bea and Homer

Barlow Trail Inn

Hwy 26 between Welches & ZigZag

622-9995

OSU learns how to find best wind potential

Oregon State University scientists believe they have a fast and cheap way to find the places with the best potential for wind power energy developments in the Northwest and the nation.

They're using wind-deformed trees (mostly Douglas-fir and ponderosa pine so far) as indicators of wind potential. This coming year, they'll look at other trees, particularly oaks, and shrubs such as sagebrush and coastal salal.

The research is funded by the U.S. Department of Energy.

"Tree deformation appears to be a sensitive indicator of annual wind speed, direction and percent of useable winds," John E. Wade and E. Wendell Hewson report in a new research summary.

"This technique could appropriately be used as a first stage in a wind survey. Then instruments (wind gauges) could be used to more precisely pick the best sites for giant aerogenerators that would convert wind into electricity," they noted.

"There's absolutely no question about the potential benefits of wind power as a supplementary energy source for the Northwest and the nation," the OSU atmospheric scientists emphasized.

Wind power is capable of supplying from 5 to 10 percent of the electrical energy requirements of the U.S. by the year 2000 and perhaps even more than that in the Northwest, earlier work by Hewson, Wade and Robert

W. Baker showed. Hewson has helped pioneer wind power research in this country.

Working with the three on the new project are Richard Holbo, OSU forest climatologist who has been conducting research on the response of coniferous trees to wind fluctuation; Donald Zobel, botany professor whose area of specialty is the relationship of plant species and forest communities to the environment; and Charles Rosenfeld, geography professor who is an expert on aerial photo interpretation. Graduate students Peter Maule and Dennis Lueck are also involved in the study.

Aerial photos are being eyed as a way to provide additional speed-up in the site identification and selection process. They are used to help find areas with wind deformed vegetation.

"If wind power is to be cost competitive and quickly implemented, rapid and inexpensive techniques must

be used to identify sites with the best wind power potential," Wade observed.

"There isn't the time or the money to make thousands of readings with wind instruments over large areas, some of them rugged and remote. We view the use of wind-deformed vegetation as a significant short-cut in the process. The most likely areas could be found this way, then we could zero in with wind instruments."

Wind speed, persistence and direction "are all written into the trees" that have been buffeted and bent over long periods, Wade continued.

Wind-blown trees have been "calibrated," it was noted, according to the degree of deformation and can be used to predict mean annual wind speed to within 15 percent of the actual value. Steady winds of 15-20 miles per hour are considered necessary for a location to qualify as a potential site for the huge wind-mill-type aerogener-

ators envisioned for the future.

The calibration calculations take into account the impact of winds on tree shape, height, trunk shape and the angle of bend produced over the years. Tree core studies also give insight on wind action and may reveal frequent and severe wind and icing conditions that would rule out the placement of an aerogenerator.

"Because the wind is blowing somewhere all the time," a network of wind generators is being eyed by the atmospheric scientists. One or two Oregon coastal sites and several down the Columbia Gorge show particular promise.

Newson first started wind power studies in Oregon in 1971. Now OSU has more than 60 instrumented stations under study in Oregon, Washington, Idaho, northern Nevada and western Montana. That work is funded by Bonneville Power Administration, which is interested in possibilities for teaming wind and water power to increase electric energy production in the Northwest.

She could teach you a thing or two about retirement.



Carol McGinley is just 22. But she already spends hours and hours preparing for retirement.

It's just part of the special training she gets as an employee at U.S. Bank.

You're never too young.

Lesson One: The sooner you start saving, the better off you'll be. If you qualify for an Individual Retirement Account, you can save 15% of your earned income, or any amount you want up to \$1,500 a year. Then watch it grow at the current rate of 8% a year, compounded quarterly.

IRA vs. IRS.

Lesson Two: You can deduct whatever you save each year from your gross income. And defer every penny in taxes on that money until you withdraw it, normally at retirement.

You can start with as little as \$50.

Decide for yourself how much you will save each year. And we'll even loan you the money to get started, if you qualify.

Lesson Three: If you want to quit work someday, stop by the nearest branch of U.S. Bank.

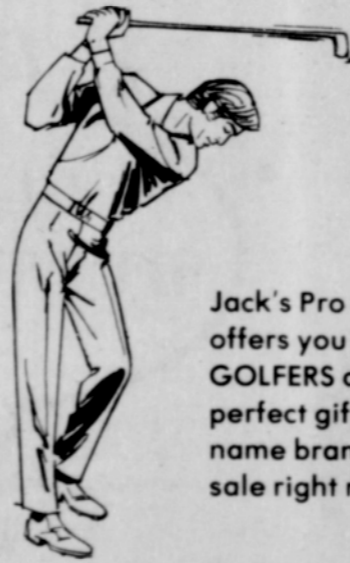
And put U.S. to work for you. "8% rate applies to deposits of three years or more."

"Federal law prohibits the payment of an Individual Retirement Account time deposit prior to maturity and before depositor is age 59½, unless three months' interest is forfeited and interest on the amount withdrawn is reduced to the regular savings rate. Also, such withdrawal may result in a substantial tax penalty. Under certain conditions early withdrawal after age 59½ will result in an interest penalty imposed by the bank."



Member F.D.I.C.

Put U.S. to work for you.



GOLFING Equipment Sale

Jack's Pro Shop at Mountain View Golf Course offers you one of the largest selections of GIFTS FOR GOLFERS anywhere in Oregon... You'll find the perfect gift for any man or lady golfer... famous name brands, and many clubs, shoes and more on sale right now.

SPECIAL!

Ladies' and Men's Ram or Wilson

GRAPHITE DRIVERS

* Offer good 'til Dec. 25th Reg. \$66 SALE \$28

FREE GOLF LESSON

By PGA Pro Jack Beaudoin with purchase of a set of golf clubs for men or women before Christmas.

FREE GIFT WRAPPING



LADIES' OR MEN'S GOLF SHOES

500 Pairs to choose from! Many styles: Pro-Shu, Etonic, Foot-Joy, Hush Puppy, and more...

From \$20 to \$80 Pair

Shopping Hours 8 A.M. to 7 P.M. 7 Days A Week

Jack Beaudoin, P.G.A. Pro

JACK'S PRO SHOP Mountain View Golf Course

27195 S.E. Kelso Rd. Boring 663-4869

PCC offers creditors assistance

Do you own a small business that has trouble collecting past-due accounts?

Portland Community College and the Small Business Administration plan to hold a seminar on the use of small claims courts by small businesses to help collect overdue accounts.

Instructor will be Michael Huston, attorney for the League of Oregon Cities. He will speak on the function of small claims courts as they relate to small businesses.

The class will be for one night at Cleveland High School, Wednesday, Jan. 3 from 7 to 10 p.m. Information and registration for the class may be obtained by calling 243-1194.

Also for small businesses, Mt. Hood Community College and the Small Business Administration will co-sponsor a series of classes and clinics starting in January.

A class on taxes for small businesses will be held Jan. 9 to Feb. 13. The course will cover payroll taxes and withholding and good management practices.

Beginning Jan. 10, a series of three "success" clinics will be held. The clinics will be three-hour sessions, 7 to 10 p.m. with a variety of topics.

The topics are: Small Business Money Management, Jan. 10; Credit and Collections, Jan. 17; and Taxes for Small Businesses, Jan. 24.

Information and registration may be obtained by calling Mt. Hood Community College, 667-6622.