

# Sun power rises in West

Architect says passive systems reduce fuel bills

By DIANE WINOCUR  
Of the Emerald

Unlike most government agencies, Western Sun is working to put itself out of business.

Western Sun is a 13-state branch of the Solar Energy Research Institute, a congressionally mandated organization that promotes solar energy research and development.

Through projects like the Solar Homebuilders Program in Portland, the program hopes to convince builders that a solar home is a saleable commodity, says William Church, a Portland area architect.

Church was the speaker for a seminar held at the University in the EMU last week.

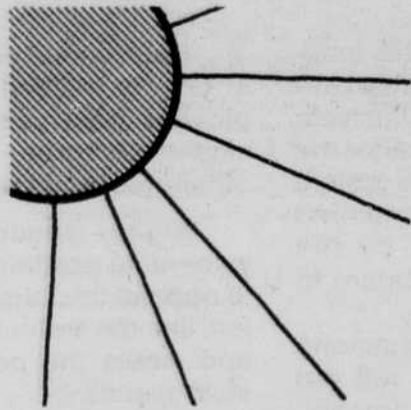
If builders can be convinced that energy efficient construction will sell, and if they adopt it permanently, "then they've taken over Western Sun's function," says Church.

Church, a consultant for the Solar Homebuilder's Program, spoke to over 50 people at a forum on "Portland's parade of passive solar homes." He is an expert in designing homes that passively (without special machinery) use the sun's energy for heating. Church and another specialist have assisted Western Sun by selecting four architect/builder teams to design and build a group of model passive solar homes. Church acts as a consultant to the teams.

The designer/builder teams were picked for their cost efficiency and variety of plans submitted. Chosen designs range from a "New England look" home costing \$34,000 to a multi-roofed cabin design that goes for about \$100,000.

What all 12 homes in Portland's new program will have in common is a reduced heating bill, said Church.

Church showed computer-generated statistics comparing



the New England design with a hypothetical home passing Portland city code standards, or a "code" home. The "code" home was \$1325 cheaper than the passive solar home. But the annual heating bill for a code house was \$550, compared to a passive solar house's \$80 bill. At that rate, a solar home would

**What all 12 homes . . . will have in common is a reduced heating bill.**

repay the investor in 2.8 years, says Church.

Another surprising statistic, adds Church, is that a home owner's total monthly payments would be lower if his home were of a passive solar design.

The total monthly bill for a code house is \$600, of which \$46 per month is energy costs. A solar home's monthly costs are about \$568 a month plus seven dollars for energy. The solar home owner ends up paying \$25 a month less, says Church.

"That's the kind of stuff builders will be happy to tell the

world."

The solar homebuilders program is the second of its kind in the country, says Church. A year and a half ago SERI brought builders and architects together in Denver, Colorado to build passive houses available to the public.

When Western Sun took on an identical project for the Portland area, their first meeting attracted more than 700 respondents, says Church.

## TEETH

Ignore them and they will go away



Teeth Cleaning and Exam \$25

Will Morningsun D.D.S.

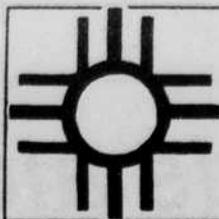
Thomas R. Huhn D.D.S.

call for appointment

746-6517

1 1/2 miles from campus next to the Bike Path

528 Mill St. Springfield



Kiva's Wine Sale Is Coming!

Dec. 12-31

130 E. 11th

Looking for an alternative to Monday Night Football?

Our newly installed Cable TV System offers you a choice!

# PIZZAN'S

1255 Alder St. 343-9661  
Call ahead for to go orders

## Play it again, Santa.



Noel Notes are coming to town Dec. 11

15 yuletide words for \$1.50 if placed by 1 pm Dec. 10 at the usual locations.

If you're tired of....

- shopping for food
- planning menus
- washing dishes
- cleaning the bathroom
- lonely nights with no friends



### DO WE HAVE A DEAL FOR YOU!

The U of O Residence Halls offer you the best buy in town...

- ...a room in the hall of your choice either alone or with a roommate
- ...hallways and rooms fully carpeted
- ...sheets and pillow cases laundered for you once a week
- ...20 meals a week (3 meals a day and breakfast and noon dinner on Sundays) with all you can eat, salad bars, vegetarian choices, pleasant atmosphere
- ...laundry facilities
- ...color cable TV



And all this for only:

Winter Term \*\$586.00 (double)      Spring Term \*\$489.00 (double)  
\$760.00 (single)      and      \$634.00 (single)

That's LESS THAN \$200 a month for full room and board for the rest of the school year, not including spring vacation in a double room. You can't beat those prices.

And consider the fringe benefits...

- ready-made friends to share the fun of ski trips to the mountains, barbecues at the beach, study breaks around the fireplace, intramural teams in many sports
- computer terminals in each complex for residents' use
- writing labs and study seminars

For special programming, look into our Environmental hall, our Academic Pursuit hall or our International Studies hall. Each has something special.

\*slightly higher prices at the University Inn where private baths and phones are a part of the regular service.



For more information and an application come to the Housing Office: Walton hall, 15th and Agate (across from Hayward field)

or call 686-4277

## Christmas Savings on SPECIAL BUY!

Russelle Hooded Pull-On Sweatshirt

Slightly irregular. Many colors. Extra small through extra large.

Regularly 13.95  
NOW 8.95

### Save \$5



AT YOUR SPORTS SUPPLY HEADQUARTERS

**EUGENE ATHLETIC**

Corner of Broadway and Olive on the Downtown Mall

Open Daily 'til 6:00  
Sundays Noon-4:00  
For your Christmas Shopping Convenience

