

Wood stoves linked to cancer; what next?

SEATTLE (AP) — Warning: Smoke from wood-burning stoves may be hazardous to your health.

Experts say the modern, airtight wood stove helps conserve wood, but can be hard on the lungs. Yet people don't seem concerned because burning wood is an attractive alternative to more expensive types of home heating.

"Wood gives people a certain independence," says Ron Schaafsma, who builds Country Stoves in Auburn, Wash. "They like that. They don't seem to mind the smoke, even though it could be unhealthy."

Officials in Washington only recently started examining the situation. The state is cooperating in a federal Environmental Protection Agency study that has been underway since January and will be completed no earlier than next month, said Ken Lepic, an EPA technical adviser in Seattle.

Although a wood stove smoke "problem" has yet to be identified by air pollution sleuths in Washington, a 1980 survey by Puget Sound Power and Light Co.

found 83 percent of the utility's customers use fireplaces, fireplace inserts or wood stoves. Only 17 percent of the homes never used wood heat, the survey found.

Wood smoke should give people reason to fear for their health, says David Bray, an EPA scientist in Seattle.

First, the burning of wood puts extremely small particles into the atmosphere.

"These can be sucked more deeply into the lungs than ordinary airborne particles like road dust or dust from mechanical manufacturing processes," he says.

Second, "many of the compounds are known and suspected carcinogens — cancer causing agents," Bray adds. One known carcinogen, called benzo(a)pyrene, is given off when any vegetable matter is burned — including tobacco.

Any amount of benzo(a)pyrene is presumed to be a health hazard, says Janet Chalupnik, environmental health director for the Washington Lung Association.

The third health problem is that carbon

monoxide is emitted when wood is burned, contributing to higher levels of the harmful gas where it is already a problem from automobile pollution, Bray says.

Help for wood stove pollution may be on the way, says John Kowalczyk of Oregon's Department of Environmental Quality.

The most recent development is an after-burner — a "catalytic ignitor" — that is supposed to consume smoke in the same way a catalytic converter burns up pollutants from automobile exhaust.

Corning Glass Works, which developed the automotive converter, has come up with the wood stove version.

But it only works when wood is burned. Sulfur in coal fouls the device.

And even for wood, studies in Oregon show the device is far from perfect because it fails to significantly reduce wood smoke pollutants. The owner of one Seattle-area fireplace chain found a stove equipped with the device so ineffective that he shipped back his entire inventory of stoves. He said he won't

stock the catalytic ignitor until it's a proven product.

"We didn't seem to come across anything that seemed to work much better than if you simply used a smaller stove, burned dry wood and kept the firebox hot," Kowalczyk says.

Unfortunately, that defeats the whole idea of buying an airtight stove to burn wood slowly and efficiently. Such stoves can take up to 12 hours to burn a load of wood — little more than a very smoky smolder.

But Kowalczyk questions whether the device really can burn the smoke at as high a temperature as its proponents claim. If the device is unable to maintain a constant 500 degree temperature in the second chamber, unburned pollutants will simply flow into the air — and clog the converter.

If Oregon officials find an ignitor that does work well to cut down pollutants and allow efficient wood burning, the state may require it in all wood stoves, Kowalczyk says.

Classifieds

BUILD YOUR OWN KAYAK AND SAVE! An organizational meeting to get a kayak building class off the ground is sponsored by the Outdoor Program, Tuesday, Nov. 10, 7 pm at the Outdoor Program. For more info call 686-4265. 517-11-10

PHOTOGRAPHERS
The EMU Cultural Forum is requesting portfolios to be reviewed for future shows in the Aperture Gallery. Bring five mounted prints to the Cultural Forum office, Suite 2, EMU that you feel are representative of your work. Deadline: November 12. 408-11-12

Students for a Nuclear-Free Future and the Survival Center sponsor a
DIE IN
Nuclear War is no longer "unthinkable." It will happen unless we prevent it! Remember... there is a bomb for Eugene too. We will lie on the floor in mock death to remind everyone what has happened... and may happen again. Music, slides, poetry, street-theatre.
NOV. 11 - EMU Lobby - 12-1 pm
Come join (Die-in) with us!
540-11-11

Entertainment

Tonight
HARVEY
James Stewart 8 PM
KOZY Cable TV 11
SOARING
with
ANGELSONG
11-10

EMU CULTURAL FORUM & FOOD SERVICE present
WEDNESDAY NIGHT JAZZ GIG and SPAGHETTI FEED
\$.99/plate
until Tuesday evening
\$1.50 day of feed (no exceptions). All drinks extra. Tickets available at the EMU Main Desk.
ON STAGE
St. Germain Trio
Music from 5:20-7:30 pm - Dining Room. Food served from cafeteria from 5:20-7 pm. 526-11-11

CINEMA 7
10th & Olive-Alrum Building
687-0733
STARTS SATURDAY THROUGH NOV. 12
BAD TIMING / A SENSUAL OBSESSION
Never given the Eugene showcase it deserves, *Bad Timing* is about the destructive nature of obsessive love. In Austria, an American psychologist (Art Garfunkel) falls in love with enigmatic beauty Milena (Theresa Russell). Alex's insistence on knowing everything leads to his disillusion in Nicholas Roeg's complex, ravishing work. **Rated X, over 18 only.**
SHOWING 7:30 PM
Red Adm Mat Sun 2 pm

THE INNOCENT
Visconti's final film is a masterpiece of sensual atmosphere, exposing the decay of an era and a marriage. Giancarlo Giannini, Laura Antonelli
SHOWING 9:30 PM
510-11-12

THE BIJOU
THE BEST IMAGE
THE HOTTEST SOUND SYSTEM
THE BEST THEATRE IN TOWN
492 E. 13th (at Ferry St.)
Admission \$2.50
Monday \$2 with student ID & current fee card
Ends Wednesday
Stanley Kubrick's

Paths of Glory
The film that first brought Stanley Kubrick (2001, A Space Odyssey) both wide acclaim and controversy, *Paths of Glory* is a monument to the anti-human aspects of war. Based on a true incident in WW1 in which an entire French Army division was accused of cowardice, a capitol offense.
with
Marlon Brando in BURN!
Gillow Pontecorvo traces the evolution of a slave rebellion in 19th century Haiti, in this biting denunciation of the corruption of colonialism. **Marlon Brando** give a bravura performance as a cynical agent provocateur sent by the English to stir up the rebellion.
Paths 5:30, 9:30 pm
Burn 7:15 pm
Sunday Matinee 2:30 pm
Next: *The Decline of Western Civilization*, Nov. 12-18
494-11-11

JAPANESE FILM SERIES
FLOATING CLOUDS
Dir. M. Naruse. Tuesday, Nov. 10, 7 pm. 177 Lawrence. Admission FREE English subtitles. 522-11-10

Get ready Eugene,
The world's number
one laser show,
LASERIUM
is coming here
NOV. 19
EMU BALLROOM
Tickets now on sale. \$3 students, \$3.50 general public at EMU Main Desk and Everybody's. 527-11-10

Personals

CHRIS "HEFTY" LITTLE (it's fashionable to be late) - I thank you for our evening of caviar and champagne. I had a most enjoyable time. Poverty sucks. Love. SCOTTER 11-10

Phi Delt - Chris F.
Thanks for the wine! I'm psyched for this year with you as my Big Bro. Love, your lil sis Cyd. 11-10

LAYAWAY FOR CHRISTMAS!
WINDSOR AND LOTUS BICYCLES
Chromo frames, alloy wheels, from \$225
RECYCLED BIKE WORKS
296 Blair Blvd. 485-5886
528-11-12

Brian H
Happy 21st birthday! Have a great one! MIKE 11-10

Who or whom? Lie or lay?
Less or fewer? Like or as?
Semicolon or comma?
Would a review of grammar strengthen your writing, improve your chances of admission to graduate programs, or enhance your opportunities for employment?

Grammar Review
4-week workshop
Begins Nov. 10
UH 2-3:20 pm
Inquire:
Learning Resources Center
5 Friendly Hall
686-3226

Will Heather be convicted of murder? Find out on **GENERAL HOSPITAL** at **DUFFY'S**. 522-11-10

RICHARD CHEONG
"Just wanna say how cute and thoughtful you are!" Secret Admirer. 11-10

Jeff Norris
You are the best. It's going to be a great year! Love, your little sis, Susie. 11-10

SANDEL OPTICAL
In most cases we can get your new or replacement contacts in one day.
You'll Be Looking Good
1614 J Street Spfd
747-3098
252-11-10

HAVE A PARTY!
VIDA BARN
Call evenings 896-2912
11-10

HAIR TODAY HAS A HAIR SALON
for men and women in the EMU by the Rec. Center. We do haircuts, styled perms, color and free consultations. Call 687-1347 or stop by for appointments. 068-11-10
20% OFF at the Natural Vitamin Shoppe. 2020 West 17th and 945 Garfield. 342-6205 and 342-8687. 125-11-10
FATS meet me at 2 pm for a Bavarian plate at Lenny's Nosh Bar in the Courtyard. **LOLITA** 128-11-10

MAKE MONEY!
Recycling Your Clothes!
RAGS TO RICHES buys, consigns, and trades secondhand clothing for men and women.
For appointment: 344-7039 360 E 11th 1881.UWF
NANCY: Meet me tonight at The Trawler. Live entertainment starts at 8. No cover. **SCOTT** 527-11-10

HAVE A DIRTY SLEEPING BAG?
Find Distinguished Service at
Siegmund's Cleaners 821 E 13th Ave 108.UW
PRIVATE HELP FROM FRIENDS Free pregnancy testing. Birthright. 687-8651. 4680.W

RONNIE R.: See me at The Trawler for an inflation fighting dinner. prices from \$4.95. **NANCY R.** 406-11-10

IF YOU'RE IN NEED OF A BAND for your next party, call **BUTTERFLY MUSIC**, 343-8151. Large selection. 424-11-12

MEET 'EM THERE
Get to know 'em at **THE WINE LOFT**
Mellow atmosphere. Fine wines by the glass. Open at least 'till midnight. 1348 Alder St. 467-11-10

JONI F. Well, you managed to survive being "18" for one whole week! Will you be able to survive the other 51 weeks? Hope they are just as fun as this past one have been for you. Leave it to me to be different. Your unique roommate, **BERTHA**. Seriously, you are Japanese, aren't ya? 11-10

POLLIE It was major league meeting you! I'd be highly upset if I couldn't get to know you better!! I bet it would be totally hot!! Are you busy Friday night? 11-10

NETTIE Happy Birthday. Love, **CAREN, JANNINE, LORNA, MARCEE** and all of your fans. 11-10

Adams: Thanks for the groovy birthday party. Love, Sarah 11-10

Sig Eb Mike Fifer
Here's to the greatest big bro - Let's have on heck of a wild year together!
Love, Jules 11-10

SIG EPS
Thanks for a great live-in week. We can't wait till next term. We love ya lots!
Luv, Jules & Mysti 11-10

RUSS Have a great B-day and never forget H-M or J-J. All my love. **LESLIE** 11-10

ANGIE BRANDT
HAPPY 19th
You picked an awesome day to be born on. **DENISE** 11-10

SUE NEELY
Happy B-day
US 11-10

BECKY: I do, but how can I contact you? 11-10

FRANK SHAW Our wine and cheese fest was great! I enjoyed sharing the evening with you. Gots to do it again sometime! Love, **STEPHY**

FLU VACCINATION

Vaccinations for influenza will be given at the University Student Health Center every Wednesday, Thursday and Friday from 8:00 to 9:00 a.m., beginning on October 21st and continuing until the end of fall term.
Students may receive the vaccine at a cost of \$2.50 per injection.
Faculty and staff are charged \$3.50 per injection.
Persons who have never received flu vaccine and who are under the age of 28 years need two injections of vaccine four week apart. Persons over the age of 28 need only one injection. If persons received one injection of the 1978-79, 1979-80 or 1980-81 vaccine, they would need only one injection this year.
Annual flu immunizations are especially advised for people with an increased risk of complications from lower respiratory tract infections, including (1) Persons 65 years old and older (2) Persons of any age over five months with any of the following: heart disease, compromised lung functions, chronic kidney disease, diabetes, chronic severe anemia, and conditions which compromise immune mechanisms. For more information call the Student Health Center at 686-4441.