

Woodstoves need tests

Emission testing on both traditional and innovative woodstoves and devices has shown that further research will be necessary to solve the air pollution problems caused by the rapid switch to wood as a home heating fuel.

Research funded by the Pacific Northwest Regional Commission, Oregon Department of Energy and the U.S. Environmental Protection Agency conducted in cooperation with the Oregon Department of Environmental Quality, found that air-tight box stoves — one of the most popular stoves on the market — is also one of the most polluting.

The wood-fired furnaces which burn at hotter temperatures were much cleaner than regular stoves. Neither the baffled design nor the stove fitted with a special catalytic converter to reduce air emissions were as promising as initially expected.

The cleanest burning unit tested was a wood-fired furnace which burns at very high temperatures and uses water for storage of the heat.

Based on one test of the box stove a steel-wool filtering device inserted into the stack was effective in capturing a portion of the pollutants.

Further research on the Brillo-pad like filter will be necessary to determine its continued effectiveness when dirty, according to Janet Gillaspie of DEQ.

Other results showed at least one-half of the emissions were generated in the first sixth of the burning cycle, reinforcing the need to burn stoves briskly in the first 30 minutes to lessen pollutants and reduce creosote build-up.

The testing of woodstoves and devices in order to rank their emissions remains an infant science. Much work remains in refining proper procedures to ensure reliability of emission testing.

Standards for wood loading and firing rates will need to be set, for example, according to Gillaspie, in order to make fair comparisons between different stoves and devices.



Sunny skies came just in time this week as Mt. Hood celebrated spring vacation by shedding its clouds and sparkling in the sun.

Photo by Mark Floyd

THRIFTWAY SUPER COUPON
DEODORANT
COAST BAR SOAP
FIRST TWO 3½ oz. BARS
9¢
EACH
WITH THIS COUPON AND PURCHASE OF \$10.00 OR MORE
THIS SUPER COUPON MAY BE REDEEMED ONLY WHEN ACCOMPANIED BY PURCHASE OF \$10.00 OR MORE. ONE COUPON PER FAMILY, PLEASE.
ADDITIONAL AT 33¢
THRIFTWAY
GOOD THROUGH TUES., MAR. 24

MAKE THRIFTWAY YOUR COUPON HEADQUARTERS
76 CONVENIENT LOCATIONS... FROM JOHN DAY TO THE OREGON COAST... AND AS FAR NORTH AS CASTLE ROCK, WASHINGTON!

Wood permits increase

Free permits to cut firewood in Pacific Northwest national forests reached a record high last year despite a decrease in available material and cutting areas.

The volume of firewood for which free-use permits were issued last year exceeded \$1 million in value compared to about \$650,000 the year before.

More than 180,000 permits were issued involving 478,000

board feet. Last year, 130,000 permits were issued for a total volume of 358,000 board feet.

Use of firewood from the national forests has increased rapidly in recent years and, at the same time, the amount of firewood has dwindled. Downed material and logging slash are not as readily available and people have to go farther to find suitable firewood.

Juvenile group to meet

The Clackamas County Juvenile Services Commission will hold a public meeting March 24 at the county courthouse in Oregon City.

The meeting will begin at 7 p.m. The purpose of the meeting will be to hear public comment on general funding priorities for youth services in Clackamas County.

ty. Testimony will be allowed on general areas of concern only.

A public meeting will be held in the future to hear testimony on specific programs.

The March 24 meeting will help determine the commission's finalized list of funding priorities for the 1981-82 fiscal year.

VALUABLE COUPON
WESTERN FAMILY "SOUTHERN STYLE"
HASH BROWNS
FIRST TWO 2 LB. PKGS.
2 99¢
FOR
WITH THIS COUPON ADDITIONAL AT 69¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
YOPLAIT
YOGURT
ASSORTED FLAVORS
FIRST TWO 6 oz. TUBS
29¢
EA.
WITH THIS COUPON ADDITIONAL AT 39¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
WESTERN FAMILY, ASSORTED
TOWELS
FIRST TWO 120 COUNT ROLLS
44¢
EACH
WITH THIS COUPON ADDITIONAL AT 59¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
GLAD, 30 GALLON
TRASH BAGS
FIRST 10 COUNT BOX
99¢
WITH THIS COUPON ADDITIONAL AT 11¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
GE "SOFT WHITE"
LIGHT BULBS
FIRST TWO "4-PACKS"
\$1 39
FOUR PACK 60, 75 OR 100 WATT
WITH THIS COUPON ADDITIONAL AT 13¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
POST
GRAPE-NUTS CEREAL
FIRST 24 oz. BOX
\$1 29
WITH THIS COUPON ADDITIONAL AT 11¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
WESTERN FAMILY SEMI SWEET
CHOCOLATE CHIPS
FIRST TWO 12 oz. PKGS.
\$1 49
EA.
WITH THIS COUPON ADDITIONAL AT 11¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
NABISCO PREMIUM
CRACKERS
FIRST TWO 1 LB. BOXES
69¢
EA.
WITH THIS COUPON ADDITIONAL AT 79¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
SUNSHINE
VANILLA WAFERS
FIRST TWO 11 oz. BOXES
59¢
EA.
WITH THIS COUPON ADDITIONAL AT 69¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
FRISKIES "BUFFET"
CAT FOOD
ASSORTED VARIETIES
FIRST FOUR 6½ oz. TINS
4 \$1
FOR
WITH THIS COUPON ADDITIONAL AT 3/11¢
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
FARMER JOHN
LINK SAUSAGE
FIRST TWO 8 oz. PKGS.
58¢
EA.
WITH THIS COUPON ADDITIONAL AT 69¢ EA.
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

VALUABLE COUPON
LARGE SIZE, SWEET, HAWAIIAN
PINEAPPLE
FIRST ONE
98¢
EA.
WITH THIS COUPON ADDITIONAL AT \$1.19 EA.
GOOD THROUGH TUES., MAR. 24
THRIFTWAY
CASH VALUE 1/20 of 1¢

EXPERT APPLIANCE SERVICE & PARTS
Authorized Service For
• Amana
• Frigidaire
• G.E.
• Jenn-Air
• KitchenAid
• Maytag

RIEGLMANN'S
Sales and Service
301 E. Powell
665-4158

MHCC slates art exhibit

The art faculty at Mt. Hood Community College will combine its talents to present an exhibit of art work beginning Tuesday, March 17, in the Art Mall Gallery on the Gresham campus.

An opening night reception from 7 to 9 p.m. is scheduled for the artists/instructors contributing to the exhibit, including Martha Banyas, Howard Neufeldt, Roger Portler, Craig Clark, Louis Mateo and Cece Cutsforth.

Several different art media will be on display—enamels, oils, ceramics, sculptures, graphic design, drawings and weaving.

The exhibit will continue through April 2. Gallery hours are 8:30 a.m. to 10 p.m. Monday through Thursday and 8:30 a.m. to 5 p.m. Friday.

Dainty Spring
PRIMROSES
Pedula & Miniature Types, Reg. \$1.19
NOW 77¢
Good Thru March 22, 1981
Rancho FLOWERS
SELF-SERVICE
IN THE GRESHAM MALL
On Burnside. Good at all 8 Rancho locations

WILLIAMS
17450 Meinig Ave., Sandy
668-4240

PRICES EFFECTIVE
WED., MAR. 18th THRU
TUES., MAR. 24th

HOODLAND
Welches Rd.
Wemme 622-3244