

Salem Scene

Oregon Trees Destined to Shave Californians.
Early one morning little more than a year from now, some resident of Los Angeles will waken to the strains of a clock radio, grope for a bedside lamp switch, make



BOTH EXPERIENCED AND BEGINNING rockhounds, of all ages, brandish their picks and shovels in search of plum agate at Graveyard Point.

his way in illuminated safety to the bathroom and perform a daily shaving ritual to the hum of his electric razor.

These commonplace events will occur largely because some Oregon logger's chainsaw succeeded in felling a Douglas fir in the state's west-central Cascade forest.

And the chain linking the widely disparate events was forged last week when Gov. Bob Straub signed the first power generating site certificate in accordance with terms of Senate Bill 483, enacted by the 1975 Legislature.

Sound far-fetched? Not really, when you follow the sequential steps from the Oregon forest to the Los Angeles suburban bungalow.

That Douglas fir will be trucked to the Weyerhaeuser Company's 2,100-employee forest products complex in Springfield. Part may be destined for the sawmill, part may become chips for the pulp mill and part may wind

up in the particleboard or plywood plants. Residue from the harvested forest giant will be utilized as hog fuel, an important part of our story.

Pulp mill chips are another factor. When cooked in the paper-making process, they will produce a black liquor.

Both hog fuel residue and black liquor once were bothersome leftovers for the industry. Simple economics and skilled technology have produced practical uses for both. At Springfield, both are burned under strict environmental safeguards to fire boilers producing steam that drives some machinery directly and provides heat required to dry cooked pulp destined to become paper.

Up to this point such practices are widespread throughout the nation's wood products industry. And we're still a long way from Los Angeles.

Weyerhaeuser engineers, however, have been actively engaged for more than a decade in a search to utilize

additional energy producing by-products from existing manufacturing processes. They zeroed in on the pulp-drying closed-cycle steam system and concluded that high-pressure steam would drive the turbine of an electrical generator. Once confirmed, wood products technology was influenced by simple economics. Cost of resulting electrical energy was considerably higher than that purchased by Weyerhaeuser from the Eugene Water & Electric Board.

Eweb, on the other hand, was delighted with the prospect and the municipal utility and private industry joined forces.

The utility made the project No. 1 on its priority list of alternate energy sources. Its current firm power sources are secure only for needs until 1984, hence the search for alternatives. Furthermore, EWEB has a customer for juice more expensive than that created by its own hydroelectric generators.

The Weyerhaeuser steam-generated power is cheaper than Los Angeles produces from oil-fired plants.

So Weyerhaeuser and EWEB got together on a 25-year agreement. EWEB is building an energy center on company property in Springfield. Weyerhaeuser is modifying its pulp-drying system to bolster steam pressure and will operate EWEB's generator for a penny for each kilowatt hour produced.

Utilizing a 51,200 kilowatt generator, the system is scheduled to produce an average of 27.4 megawatts, well over 50 per cent of capacity after considering all types of pulp mill contingencies and generator efficiency.

What we're talking about is enough electricity to satisfy current annual needs for a city the size of Medford. Medford's not in the market. But Los Angeles is. At least until 1984.

Meanwhile, EWEB's \$8.5 million generating plant will be a paying proposition for

the utility. Weyerhaeuser will be utilizing a previously unexploited energy source. Los Angeles will be saving oil. And as Pacific Northwest power needs increase and the price of same rises apace, EWEB one day likely will find the Weyerhaeuser center's electricity practical for consumption closer to home.

Gov. Straub's signature was required by SB 483 that created the new State Department of Energy with generating facility site approval powers. Upon signing he said the project is an excellent example of private industry and public utilities working together for the benefit of the public.

Already under construction the facility is expected to bring power on line within 14 months.

In addition to turning on some lights in Los Angeles, the undertaking likely will "turn on" other projects of similar nature. Weyerhaeuser has three other Northwest pulp mills that might be adaptable. There are 13 such

plants operated by several different companies in Oregon alone.

And while this particular project may be an innovative first, utilization of by-product energy is not. Pulp liquor has been burned for power since shortly after the turn of the century. Some machinery in most wood products mills is driven by recaptured energy of one type or another.

The law of supply and demand—a cornerstone of economics—is simply exerting its considerable influence on technology to produce another solution for problems as they arise.

Thanks to Friends!

Thanks to all our wonderful friends for their prayers, flowers and cards during my recent surgery and hospitalization.

Dr. Kenneth Danford

RAY'S FOOD FAIR
Nyssa

Sale Dates:
Aug. 14, 15, 16

We Give
And Redeem
Gold Strike Stamps

WESTERN FAMILY

summer sale august

boneless ham

\$1.59 lb. WHOLE

HALF \$1.69 lb.

PATTIE JEAN GAME HENS 20 oz. EA. **98¢**

WESTERN FAMILY SLICED BACON 12 oz. PKG. **\$1.39**

WESTERN FAMILY IMPORTED SLICED COOKED HAM 4 oz. PKG. **79¢**

WESTERN SHORES BATHROOM TISSUE PKG. OF 4 63¢	WESTERN FAMILY SOUPS 10 1/2 oz. 5 for \$1
FACIAL TISSUE 200's 2 for 69¢	WESTERN FAMILY PEANUT BUTTER 48 oz. CREAMY OR CRUNCHY \$1.79
WESTERN FAMILY TOMATO JUICE 46 oz. 2 for 98¢	WESTERN FAMILY MAYONNAISE 32 oz. 97¢
BIZ PRESOAK 10¢ OFF LABEL 252 oz. 98¢	NABISCO RITZ CRACKERS 16 oz. 75¢

We Welcome U.S.D.A. Food Stamps

WESTERN FAMILY FRUIT COCKTAIL 16 oz. **269¢**

WESTERN FAMILY SWEET CORN 16 oz. **399¢**

WESTERN FAMILY VEGETABLE OIL 24 oz. **83¢**

WESTERN FAMILY SOFT MARGARINE 1 lb. **51¢**

wieners FRESH BULK PACK **69¢ lb.**

EGGS WESTERN FAMILY MEDIUM DOZ. **57¢**

lettuce FRESH GREEN **4 \$1** Crisp Large Heads

frozen foods

WESTERN FAMILY LEMONADE 12 oz. **3 for 89¢**

PEACHES LOCAL **4 \$1 lb.**

CARROTS CELLO 2-lb. PKG. **29¢**

BAKED GOODS

FRESH FRIED CINNAMON ROLLS DOZ. **99¢**

FRENCH BREAD **3 \$1** LOAVES

WESTERN FAMILY PEAS & CORN 10 oz. **4 \$1.00**

WESTERN FAMILY SHERBET QT. **59¢**

WESTERN FAMILY 10 oz. RASPBERRIES **2/98¢**

WESTERN FAMILY WHIPPED TOPPING 10 oz. **49¢**

ENVELOPE CLEARANCE SALE

HAMMERMILL WOVE ENVELOPES

NO. 9 WINDOW OR PLAIN

CLEARANCE PRICE

REG. SOLD FOR \$12.40 PER 1,000 **\$6.20**

\$3.50 PER 1,000

PER BOX OF 500 ENVELOPES

COMMERCIAL ENVELOPES

6 1/2" SIZE WHITE

CLEARANCE PRICE

REG. SOLD FOR \$11.00 PER 1,000 **\$5.50**

\$3.00 PER 1,000

PER BOX 500 ENVELOPES

MAIL WELL ENVELOPES

6 1/2" SIZE WHITE

CLEARANCE PRICE

REG. SOLD FOR \$11.00 PER 1,000 **\$5.50**

\$3.00 PER 1,000

PER BOX OF 500 ENVELOPES

Gate City Journal

112 MAIN NYSSA 372-2233