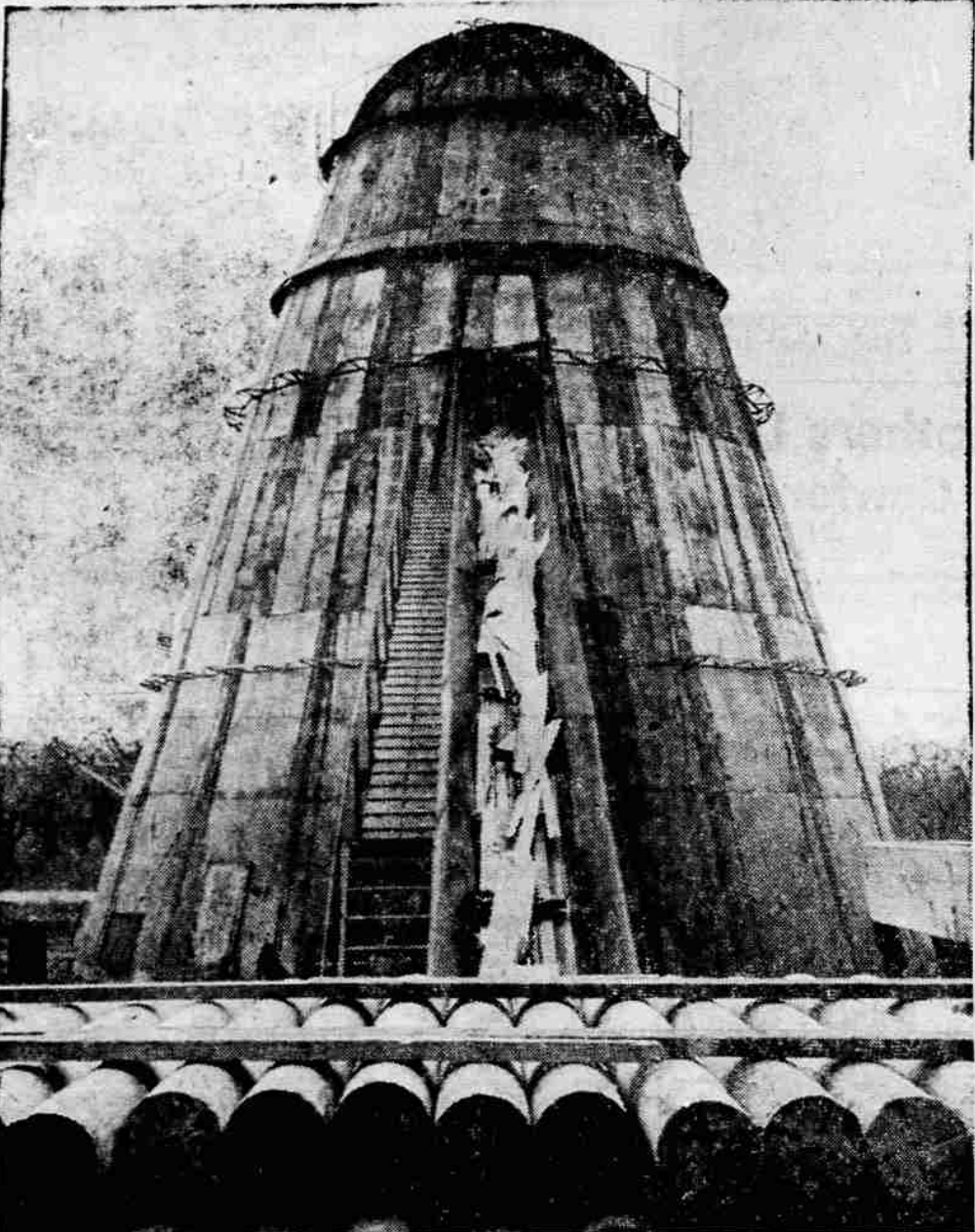


Full Utilization Goal of Local Lumber Firm



GOOD THERAPY—Bob Swan (left), superintendent at the Jackson County Juvenile Detention Home, admires the three big logs donated recently by Kogap. Boys at the home will cut the logs into firewood with a cross-cut saw, sell the wood and gain new recreational equipment from the proceeds. Swan calls it good occupational therapy. Art Coulter (right), a logger, brought the logs in his truck. Clyde Lees (center), of Kogap, dumped them off the truck with a cat. In the background are stacks of firewood cut previously.



A CONTRAST—While waste veneer trimmings in the background are paraded up to the burner, veneer cores in the foreground are stacked up for further processing. They are sawed at another mill into four 2x4 studs. Someday, use of the trimmings may prove economical too.

Operators Must Now Compete With Other Material Producers

By ERIC WENTWORTH
Mail Tribune Staff Writer

Full utilization has long been a concept—and a practice—familiar to the stockyards. For decades, meat packers have boasted, "We use every part of the pig but the squeal."

The lumber industry has recently realized more than ever before that it too must "go whole hog" and produce by-products as well as board feet.

Lumber mill operators today compete not only against each other. They must meet the challenge from producers of aluminum and other materials who are crowding into the building market.

And as costs continue to rise, these operators must find uses, and develop markets, for leftovers they once thought of simply as wastes.

Discarded Items Are Useful
Sawdust, bark, shavings, chips and slabs that were formerly discarded are proving, like the knuckles and bristles of the hog, useful and—at least potentially—profitable.

At the same time a mill's waste burner, belching smoke like Paul Bunyan's pipe, is gradually becoming a symbol of failure or inability to take maximum advantage of these uses.

As he glances from his company's books to the billowing smoke beyond the office window, the mill owner realizes today that possibly profits as well as logs are being trimmed at his plant.

Kogap Lumber Industries, just south of Medford and across the railroad tracks from Highway 99, has had three burners. This number was necessary because of dispersion of the individual mills on the premises.

Origin of Name
Kogap, whose name is derived from the first letters of the slogan, "Keep Oregon Green and Productive," began here in 1941 when A. A. Lausmann, father of the present president, Jerry Lausmann, and now the company's secretary, established a small planing mill.

By 1946, a sawmill was also in full operation nearby. Other improvements followed. In 1955 Jerry Lausmann built a gang mill. The following year a veneer plant was begun.

"Each manufacturing unit that has been added since the original planer installation," the company states, "was a step to better utilize and to give a greater return on each board foot of raw material."

The annual total log consumption at Kogap is officially reported at about 40 million board feet, based on a one shift per day operation. An important timber source is Kogap's more than 6,500 acres of forest land that it tends under the certified tree farm program of the Industrial Forestry association and the Western Pine association.

Dispersion of Facilities
The dispersion of mill facilities across Kogap's 35 acres, with an eye to maximum fire protection, helps the company enjoy one of the lowest fire insurance rates for its type of operation in the entire state.

Considerations of cost resulted in erection of the three burners. According to Vice President Stuart McQueen, it proved cheaper as mills were added to install new burners than to run the waste all to the original burner.

Only last week, however, one of the burners—the one serving the planing mill—was closed down and placed on the selling block.

To Fuel Bin
The planer shavings that formerly fed it are being blown through a six-inch underground pipe to a fuel bin, for use in Kogap's steam plant.

Kogap is increasing its dry-kiln capacity by 40 per cent, and these shavings will help provide more steam.

Ideally, all three burners would be closed down. But first, profitable markets must be found for the scraps that the remaining two burners still consume. Kogap keeps them on as strict a diet as possible.

"Whenever we can use something else and not put it in the burner we are going to do it," says McQueen. "Otherwise, we would not be here very long."

Profitable Uses
Some profitable uses already have been found. For one thing, a certain amount of sawdust, shavings and planer blocks is retained for sale as fuel on box car floors to keep the lumber stacked upon them clean.

Local dairy farmers have purchased shavings for several years to spread on the floors of their milking houses. A lath mill right next to Kogap's band mill selects discarded slabs that would otherwise be burner-bound and produces stocks of marketable lathing.

Veneer cores, the hard centers of logs that remain after the veneer has been peeled away, are sold to another company that makes four 2x4 studs from each one.

As many as 500 carloads of white fir chips are processed each year and sent to a paper mill in Oregon City. These non-resinous chips are used in the manufacture of newspaper and stationery.

Modern Chipper
A modern chipper grinds the white fir scraps from Kogap's gang mill with a greedy roar, then sorts them through screens. The selected chips are whisked through a pipe over 200 yards to a platform whence they are spewed into waiting railroad cars.

Bark, shavings and other bits and pieces still are marched daily from mill to burner, however.

Geography is partly responsible for this. Markets exist elsewhere for red fir chips, which are used in making brown wrapping paper and other cheaper grades. But transportation costs make sales at these distant points impractical, according to McQueen.

Odorless, Tasteless
California grape growers use white fir bark to pack their fruit for shipping. Odorless and tasteless, it does not contaminate the fruit. Orchards are also packed in this bark. But, McQueen says, "We don't yet have a market here."

Another potential development of interest to fruit packers in this area is the "kraveener" process of laminating cheap paper with waste veneer to provide pre-lined shock. This would save packers the necessity of lining their own boxes.

The use of bark and sawdust as ingredients in humus is also being explored.

Another use being studied is fuel for heating orchards. This would be an extruded type, composed primarily of dried sawdust and some bark that has been forced through fine holes into a fiber. The great advantage of this fuel would be that once it was burning it would be practically smokeless—a far cry from the smudge pot of today. Its disadvantage at present is the high cost of manufacture.

Research is also pointing the way toward use of fir bark in making tannic acid for tanning leather, dyeing, and medicines and wax. Caruba wax, hard and lustrous, is made from douglas fir bark.

Again, manufacturing costs are still out of reach.

Making Wood Pulp
"Eventually we're going to do it," McQueen says of these uses.

McQueen also reports there are practical—if not as yet economical—methods for making wood pulp without causing unpleasant odors. Mills using these methods would require considerable power.

"Some day we might have a pulp mill in Medford and nobody will know it's there," he says.

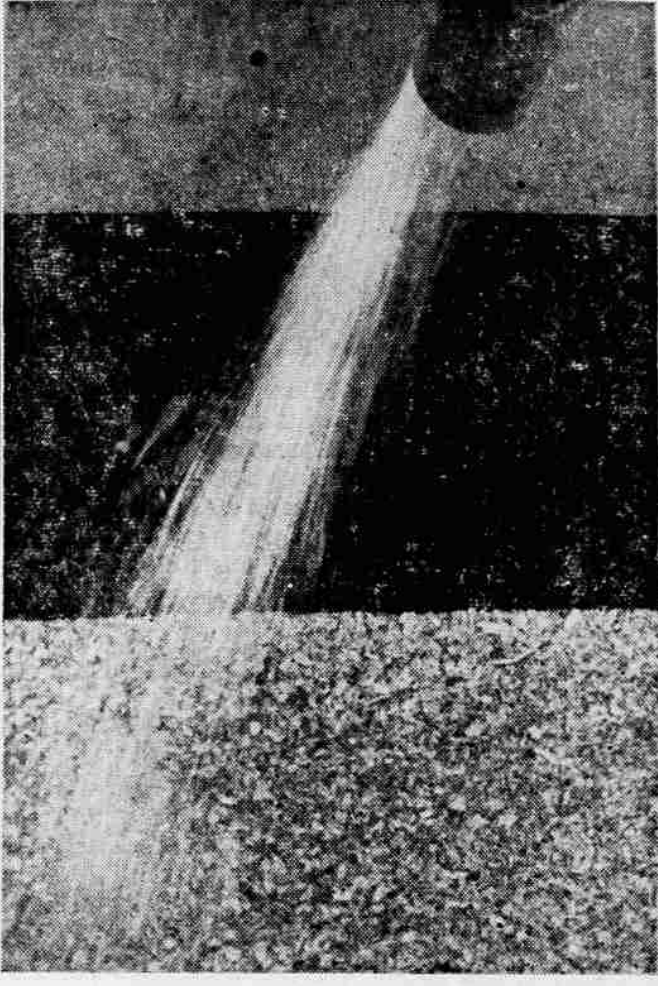
Kogap meanwhile is interested in almost any chance for full utilization. A week ago Friday, for example, Jerry Lausmann saw to it that three logs, including one cull (reject), were transported to the Jackson County Juvenile Detention Home in response to a call from Detective Lt. Lyle Perkins of the Medford police.

Boys detained at the home bend their elbows on a cross-cut saw to reduce the logs to firewood, which they sell at \$12.50 a cord. Clinton Phelps, a trucker, delivers the wood free to the purchaser.

According to Robert Swan,



LOGS AND LEFTOVERS—From the millpond (top) Kogap's logs are fed to the sawmill, gangmill and veneer plant. White fir chips from the modern chipper (lower left) are piped to a railroad siding where they are spewed into waiting freight cars. Kogap sells as many as 500 carloads



superintendent at the home, the woodpile provides excellent occupational therapy. And the proceeds from selling the wood buy recreational equipment for the home.

There is another aspect to a lumber mill's waste burners these days—air pollution.

Antagonism Increases
Antagonism toward manufacturers who fill the skies with soot, smells and ashes is increasing nationwide. And eyes that look askance at factory smokestacks narrow at the sight of these burners too.

Larger cities have passed smoke-control ordinances. Medford itself recently contracted with the state air pollution authority for a study of air pollution in this area.

Smoke can be reduced by cleaning burner grates, controlling draft and scooping out the clinkers regularly. The effect of screens has been debated, with some saying they reduce fly-ash and others maintaining they increase it.

But these methods cannot eliminate smoke entirely. Nor, McQueen, believes, can ordinances. For ordinances must be enforced, and proper enforcement requires considerable manpower.

"The answer to burning is not ordinances," McQueen states, "just utilization."

Reserve Unit Near Full Strength Here
Naval Reserve Electronics Division 13-5 of Medford is approaching full strength, according to the unit's active Navy recruiter, Radioman 2/c Bob Churchill.

At present, only one regular pay billet remains open. However, when that is filled the division can request an additional four pay billets from 13th Naval district headquarters in Seattle, Churchill said.

The present complement is 70 officers and men in a pay status, with an additional six men attending meetings in a non-pay category.

Returning Navy veterans and men between 17 and 18½ years old are expected to fill the remaining billets soon.

The local Naval Reserve division, commanded by Lt. R. A. Schuchard, is the largest electronics group in the district.

Eureka, Calif. — UPB — The Danish motorship Sinaloa, out of Copenhagen, ran aground Friday on a sand spit inside the Humboldt Bay bar about 100 yards off the north jetty.

a year. A fuel truck driver (below right) receives a load of sawdust in the back of his vehicle. Sawdust, shavings and planer blocks from Kogap are sold to heat up homes and offices instead of waste burners.



Medford Residents To Attend Meeting

Four Medford residents plan to attend the 16th annual meeting of the Oregon Chest Tuesday in Portland. They are Mrs. Ray Reter, Richard H. Travis, and Mr. and Mrs. Harold Cook.

Arthur M. Cannon, vice president of Standard Insurance company, Portland, will discuss financing voluntary social service agencies.

Mrs. Reter and Travis were leaders in the recent United Medford Crusade, and Cook is executive secretary of the local group.

The annual luncheon will climax three days of meetings devoted to the study of problems and development of the united fund movement in Oregon.

Five Die as Tug Sinks Off Vancouver
Vancouver, B. C. — UPB — At least five of the seven crew members aboard the American tug Henry Fos died Friday after the 90-foot vessel sank in the stormy waters off Vancouver Island.

The value of witch hazel as a medicine was known to ancient Indian tribes.

Technician Courses Offered in Spring Term, Vinsel Says

Electrical and electronic technician courses are being offered this spring by the adult education department of Medford school district, Lindsay Vinsel, director of adult education, has announced.

The courses are designed to meet the needs of persons preparing for employment as highly skilled technicians in the electrical and electronic industries in occupational areas essential to national defense, Vinsel said.

Applicants must be graduates of high school and have a background in mathematics. The school will operate six hours per day, Monday through Friday, from 3:30 p.m. to 10 p.m. with class periods of 55 minutes each. Full-time students will be enrolled in excess of 20 clock hours per week, Vinsel said.

Term Dates Listed
The spring term will begin March 23 and end June 12. The schedule of courses includes electrical theory, applied physics, technical mathematics, fundamentals of drafting, electrical drawings and diagrams, and communications skills.

The classes will not be scheduled if there is not sufficient enrollment. Vinsel pointed out. Men and women may register for individual full-time program, or for individual courses. Students registering for the full-time curriculum will be interviewed and accepted before the term begins, he added.

Application forms may be obtained at the adult education office, room 202, Medford High school, between 1 and 5 p.m. and 6:30 and 8:30 p.m. Monday through Thursday and from 8 a.m. to 5 p.m. Fridays. Applications will be accepted until the classes are filled and not later than March 6, Vinsel said.

Portland — UPB — Rufus C. Holman, 81, former U. S. senator from Oregon, was reported in satisfactory condition at Good Samaritan hospital Friday.

You and Your Pet

(Prepared under the auspices of the Southern Oregon Humane Society)

Editor's note: This is the first of a series of weekly columns about pets, principally dogs and cats, prepared under the auspices of the Southern Oregon Humane Society.

I have never been able to determine whether a animal "characters" gravitate to our family naturally, or whether we exert some subtle influence after they have acquired us. If you sit down intending to relax or read a book, in practically no time at all the infiltration tactics begin. A velvet muzzle with a shiny wet nose reconnoiters the terrain. If this maneuver is ignored, a paw follows. Before you know it, there are 50 pounds, more or less, of dog draped across your knees, like a sack of oats on a fence rail. Who would have it any other way? I would not.

Have you a pet? Do you know the laws of this community governing the humane treatment of animals, licensing, and control? It is just as important to know these laws as to know traffic laws when you own an automobile. If you own a female cat or dog, have her spayed, unless she is a pure bred used for show purposes. Join the Humane society campaign to reduce breeding.

There is a single immense cruelty in America that causes suffering and death to millions of cats and dogs every year. We ask your help in stopping this cruelty. A total

of 206 dogs and cats were put to sleep last month (January) by your local dog pound.

If you do not now have a pet, but would like one, and if you have carefully considered all kinds of pets (you can make a real friend of a parakeet, or a tankful of fish can be an absorbing hobby) perhaps you would like a good dog or cat?

Watch KBES-TV each Thursday at 5 p.m. for "Pets for Adoption." You can obtain a wonderful pet through this program and your Humane society. Write Pets for Adoption, P.O. Box 1136, Medford, or call NO 4-2406.

If planning to adopt a dog, can you guarantee a good home and be responsible for it 24 hours a day, 365 days a year? Have you a fenced yard? If not, can or will you make other arrangements to exercise your pet several times a day, while keeping it under control? Will every member of your family welcome the new pet and understand its needs?

No pet will be given to any child, but if they want a pet (and what child doesn't?), the mother or father must make application for adoption. Join our campaign and let us hear from you.

Humane Joe.

Salem—UPB—Sprague Carter, Pendleton, has been nominated by Gov. Mark Hatfield for state director of Selective Service.

Eagle Point Pops Concert Is Today

Eagle Point — The Oregon Centennial is the theme for the Eagle Point High school band's annual "pops" concert at 2 o'clock this afternoon in the grade school gymnasium. Charles Martin is band instructor.

Among musical selections based on the Centennial theme will be "On the Trail," written by Ferde Grofe, "Skiers Waltz" taken from the sound track of a Cinnerama show, "Cafe Rio" by Morton Gould, and "The Music Man." One of the popular numbers will be "Tom Dooley."

The audience will be seated at small tables and light refreshments will be served throughout the program, Martin said. Music will be in the popular and semi-classical vein.

The presentation will be a replica of the Boston Pops concert.

The public is invited, and tickets may be obtained at the door.

Boeing Faces Suit For Excessive Profits
Washington — UPB — The Justice Department will file a claim Monday to recover \$20 million from the Boeing Aircraft Co. for alleged excessive profits on J952 defense contracts.

The Churchill River flows 1,000 miles from northern Saskatchewan to Churchill Harbor on Hudson Bay.

As many as 500 carloads of