

The News-Review

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CHARLES V. STANTON, EDITOR
EDWIN L. KNAPP, MANAGER

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WOOD WASTE PROCESSES

By CHARLES V. STANTON

While many researchers are developing new products to utilize waste from woods and sawmill operations, the U. S. Forest Service is going still further, finding use for the old snags, down trees and otherwise useless materials. Within two or three years, if experimental funds are made available, it is expected that gathering up the refuse from logged over lands and the punky, overripe trees standing in the forests, as well as snags and windfalls will become a profitable commercial operation. Good progress already has been made in experimentation.

Edward G. Locke, chief of forest utilization services from the Pacific Northwest Forest Experiment station, U. S. Forest Service, who was a visitor in Roseburg Wednesday with A. C. Knauss, wood technologist, reports very favorable results from wood waste experiments conducted for the past two years.

With cooperation from the Pope and Talbot Co., Oakridge, Ore., two carloads of debris from the woods in that area have been shipped recently to the forest products laboratories maintained by the Forest Service at Madison, Wisconsin. A third carload will leave within the next 10 days.

In a pilot plant at Madison, this decaying wood is converted into molasses and yeast. The product is being returned to agricultural experiment stations in Washington and Oregon, where extensive feeding tests are in progress.

At Pullman, Washington, experiments are being conducted in feeding yeast to laying hens. Tests to date indicate that yeast produced from wood waste is equal in its effect to fish meal in improving hatchability of eggs.

Turkey poulters are being fed molasses manufactured from wood waste to determine effect of carbohydrates in the diet. Tests are being made on rats preliminary to an experiment in using molasses in feeding hogs. Dairy cattle will be fed wild grass silage preserved with wood molasses. Molasses also will be used as a substitute for grain to supplement high protein diet for dairy cattle.

Similar experiments are in progress at Oregon State College, where a study has just been completed in feeding molasses at 30 and 15 per cent levels to hogs. It has been found that the 15 per cent level compares favorably to cane and beet molasses although the cost is much lower. Further tests are being made with rats to determine the best percentage level. Alfalfa silage is being prepared with molasses for winter feed tests. Experiments in feeding molasses and yeast to turkeys and dairy cattle has been postponed because of a shortage in funds for experimental purposes.

A ton of dry wood, Locke reports, will produce a ton of molasses or 400 pounds of dry yeast. The molasses is 50 per cent sugar, essentially glucose. The Pacific Northwest's poultry industry alone, Locke says, could use from 10 to 15 thousand tons of yeast annually. Brewer's yeast, now generally used, sells for \$240 per ton. Wood yeast can be produced and sold in wholesale lots at \$100 per ton. Molasses can be produced from wood waste at \$10 per ton, as compared with the existing market price of \$30 per ton. These figures, Locke explains, are only estimates and are based on a price of \$2 per ton for wood waste at the mill.

Plans for experiments on a semi-commercial basis now are being made. It is anticipated that the alcohol-from-wood-waste plant at Springfield, Ore., will be sold to a private syndicate in the near future and that it will be in production by the first of the year. It is proposed to install equipment to produce molasses and yeast in connection with this plant. The pilot plant for molasses will be designed for six tons per day, utilizing whole wood sugar left from the alcohol recovery process, while the plant for yeast will have a daily capacity of one ton, utilizing whole wood sugar and spent beer left from alcohol production.

These experimental steps, Locke says, will determine economies of production and plant design. Within two years it is hoped to have the process fully perfected and ready for general use.

Present indications are, he said, that a sawmill having a capacity of 100,000 board feet daily could install a molasses plant, producing 50 tons of molasses per day, at an investment cost of about \$600,000. This plant would utilize 50 tons of waste. The molasses would, according to present estimates, have a production cost of \$10 per ton. The present market price is \$30 per ton.

A gross profit of \$1,000 per day from a \$600,000 investment looks from here like something that should be attracting more interest from the forest industry.

Father Drops Dead When Told His Son Wounded in Fight

ILWACO, Wash., July 8.—A father dropped dead here yesterday on learning that his son had been critically wounded in a shooting scrape at nearby Seaview.

The son, Ernest M. Leback, 30, was taken to an Astoria hospital with a .22 caliber bullet wound in the neck. Physicians there said his condition was critical.

The father, Arthur Leback, 71, collapsed and died when told of the shooting.

Sheriff Tom Coyle said Emanuel Bechtel, about 36, Seaview truck driver, was held in the South Bend jail without charge. The sheriff said the shooting took place in front of an all-night Seaview restaurant following an argument between Mr. and Mrs. Bechtel in which Leback joined. Bechtel was arrested at his home. The sheriff said he was under the porch, carrying a rifle, when arrested.

OUT OUR WAY



Penthouse Farmer Explains How To Tell if Orchid is Happy

By HAL BOYLE
NEW YORK.—Do you know how to tell if an orchid is happy?

This is one of many tidbits of horticultural knowledge picked up by a friend of mine who operates a penthouse farm for fun atop an eleven-story Manhattan apartment building.

Growing orchids on his electric refrigerator is just a sideline with this ardent rooftop Burbank, whose real love is his orchard outdoors. He puts the orchid pot atop the refrigerator in a pot full of gravel and water.

"The heat from the motor gives the orchid just the humid vapor it needs," he said.

"Once a week I give the plant a sponge bath and dry it off with a cloth. The green in the leaves and the stem really shines then. That's how you know the orchid is happy. If it's discontented, the green doesn't shine at all."

After playing nursemaid and psychiatrist to an orchid this man's real job-breaker in the clouds really gets down to the heavy work.

How Farm Was Built
"Why the farmer in the country doesn't know what real hard-ship is," he said, showing me around his terrace ranch. "It takes more than a green thumb to raise things in the city."

"You got to start from the concrete and build up. First you have to order the earth. I bought four tons at \$20 a ton. The man who delivered it wanted to dump it in the street."

"There it was eleven stories below where I needed it. So I got fifty gunny acks and kept leading them with my topsoil and brought it all up in the service elevator."

"This, of course, put him in solid with the apartment house manager right away."

"Next, my friend continued, 'I had to have some containers to grow things in. You just can't throw earth around on top of a roof. Along comes a heavy rain and where's your farm? Down the drain.'"

He solved the problem by buying up dozens of wooden egg crates and butter tubs and lining them with tar. Then he found he had to buy sand, peat moss, humus and fertilizer. Storage became a big problem.

Wife Delivers Gentle Dig
"One morning I woke up and became aware of a rather unusual aroma in the room," his wife said. "I finally looked under the bed and there was a nice bag of fertilizer."

"Only place I could find to put it," he said.

"Some husbands," she replied, "bring their wives perfume."

The farm was started less than a year ago, but now he has more than fifty kinds of plants.

"I've had a lot of trouble with bugs," gumbled my friend. "I think they fall off passing airplanes. They certainly don't know how to use the elevator."

His orchard at present consists of several rows of tubs planted with apple and cherry trees, two Lombardy Poplars, a black walnut and a lilac bush.

"What are you going to do when all these trees really get to growing?" I asked. "You'll have a jungle here."

"Oh, I only signed a two-year lease," he said happily. "When it's up I'll retire from farming, move out and leave an axe behind for the next tenant."

Oregon Boatmen Perform 'Impossible' River Feat

SALMON Idaho, July 8.—Three Oregon men have returned up the River of No Return.

They reached here last night after a three-day trip up the Salmon River from Riggins—a distance of 145 miles.

The stretch of river takes its name from the belief of boatmen that the journey up the wild waters was impossible. It was believed to be the first time it had been made.

Several boats have made the down river trip.

The three men, who traveled in a 22-foot outboard motorboat, are Glenn Woodbridge and Thom as G. Staley, 34, of Grants Pass, and Ruel Hawkins of Gold Beach.

Hunt for 2 Lost Planes Given Up After Month

MICHOARD FIELD, July 8.—UP—Search for two missing planes, each carrying two men, has been abandoned after more than a month's efforts, air rescue service officials said today.

One of the planes, on route last month from The Dalles, Ore., to Whidbey Island, is believed down on the Yakima side of Mt. Adams. Its occupants were James Milton Henry, Lewiston, Idaho, and Adlai Earl Brown, Los Angeles, both Navy enlisted men.

S. Sgt. Paul R. Jackson and Sgt. Williams S. Burns were occupants of the second plane, missing since April en route from Spokane to Seattle.

Most plants sometimes form the birthplace of streams, which start out as tiny rivulets seeping from a huge bed of moss.

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REMAINING HOURS TODAY

- 4:30—Puffin Lewis, Jr.
- 4:45—Frank Hemingway, Filgers
- 4:50—Songs for Everyone, Roseburg Refrigeration
- 4:55—Say It With Music, Miller's RCA Radio Department
- 5:00—Just Relay
- 5:15—Claude, the Madman, White King Soap
- 5:30—Spotlight on a Star, Bonn's Super Circuit
- 5:45—Tom Mix
- 6:00—John B. Kennedy, Healthdays
- 6:15—Sports Page, Harris Sales and Service
- 6:25—Musical Interlude
- 6:30—State and Local News, Roseburg Mutual Co.
- 6:35—Quint Pyrate
- 6:45—Bill Hays and the News
- 7:00—What's New, Corcoran Motors
- 7:15—Music You Remember, Douglas Supply Co.
- 7:30—World of Song, Farm Bureau
- 7:45—Three Quarter Time, Kneaz
- 8:00—Straight Arrow, Nabhan
- 8:30—Across the Footlights, Lockwood Studios
- 8:45—Footprints in the Sand of Time
- 8:55—Billie Rose, Picking Horsehoes, Barbados Co.
- 9:00—Lena Moran, Laine
- 9:15—Fleetwood Lawton, Union Oil Co.
- 9:30—Musical Interlude, Trenchbridge Electric
- 9:45—Forest Conservation Program
- 10:00—Puffin Lewis, Jr.
- 10:15—Max Galley
- 10:45—Telephone Request
- 11:00—Eating Sports Roundup
- 11:15—Head Line Orchestra
- 11:30—Sign Off

FRIDAY, JULY 9, 1948

- 6:00—Scottie Sennode
- 6:15—Fate, Ballerini Board
- 6:30—Musical Roundup, Modern Furnitures
- 6:45—Voice Patrol
- 7:00—Ranchman, Astorion
- 7:05—Frank Hemingway, Filgers
- 7:15—Billie Rose, Picking Horsehoes, Barbados Co.
- 7:30—State and Local News, Dr. Bruce Tovey
- 7:35—Rhaphody in Wax
- 7:40—Eight o'Clock News, Johnsonville Co.
- 7:45—Bob Kneaz and the John Galt Trio
- 8:00—Meet the Hosts
- 8:15—Lena Moran and Laine
- 8:30—Wally's Coffee Time, Wally's Grocery
- 8:45—Victor H. Lindquist, Healthdays
- 9:00—Musical Roundup, Modern Furnitures
- 9:15—Musical Interlude
- 9:30—Shoppers' Guide, Harris's and Macdonald's
- 10:00—Alka Seltzer News, Miles Laine
- 10:15—The Party Line
- 10:30—Books, Harkins, Food Market
- 11:15—Melody Matinee, Roseburg Dairy
- 11:30—Queen for a Day, Miles Laine and Philip Morris
- 12:00—Musical Page
- 12:15—State and Local News, Hansen Motors
- 12:45—National News, Roseburg Telephone
- 1:30—Terminal Market Reports
- 1:45—Man on the Street, Manning's Mart
- 1:55—The Johnson Family, Calkins Finance
- 2:00—177 Requested
- 2:10—Harris's Drama, Philip Morris
- 2:20—Food for Roseburg
- 2:30—Caroline Purdy
- 2:45—Marie Bonner
- 3:00—Lena to the Stars
- 3:15—Lena Moran, Laine
- 3:30—Lena Moran, Laine
- 3:45—Lena Moran, Laine
- 4:00—Puffin Lewis, Jr.
- 4:15—Lena Moran, Laine
- 4:30—W. C. L. I.
- 4:45—Say It With Music, Miller's RCA Radio Dept.
- 5:00—Just Relay
- 5:15—Claude, the Madman
- 5:30—Billie Rose, Picking Horsehoes, Barbados Co.
- 5:45—Billie Rose, Picking Horsehoes, Barbados Co.
- 6:00—Alka Seltzer News, Miles Laine
- 6:15—Fleetwood Lawton, Union Oil Co.
- 6:30—Musical Interlude, Trenchbridge Electric Engineering Co.
- 6:45—Henry J. Taylor, General Motors
- 6:55—The Daily Request
- 7:00—Telephone Request
- 7:15—Sports News
- 7:30—Sign Off

Weyerhaeusers Purchase Timber on Reservation

PORTLAND, July 8.—UP—A tract of 12,500,000 feet of timber on the Klamath Indian reservation has been sold to the Weyerhaeuser Timber Company on a high bid of \$20 a thousand.

The U. S. Indian Service said the timber is ponderosa oak and sugar pine. The Kwaana Box Co., Klamath Falls, bid \$27.11 and the Ivory Pine Co., Rly, \$28.05.

In the Day's News

(Continued From Page One)

long fuse leading to a big fire-cracker. If the coast stays clear, he'll let'er go. If a cop shows up, he'll pinch the fuse out.

It all depends on whether Russia is all set to start something.

GIVE the Finns full credit for courage.

They hold their long awaited election and smack down the Communists, voting them down from first place in the Finnish parliament to THIRD place.

That amounts almost to thumbing their noses at the Kremlin.

TITO is still a mystery. The Yugoslav Communists send him a renewed pledge of their loyalty.

Notice that this is being done by the Yugoslav COMMUNIST PARTY. That is what leads us to hope that there may be a split in the gang.

Note also that Tito is moving cautiously. He hasn't done any shooting yet.

On this side of the water, General Eisenhower lets go a statement that falls with a dull and sickening thud on Democratic hopes. He says:

"I will not at THIS TIME identify myself with ANY political party and could not accept nomination for ANY public office or participate in any partisan political contest."

NOTE the "at this time." It is a straw. Drowning men grasp at straws. Democratic bigwigs are drowning. Boss Hague, of New Jersey, grabs at the straw. He proposes that President Truman REQUEST Ike to run, at the same time withdrawing from the race himself.

He says: "If President Truman were to request Eisenhower to accept the nomination it would afford the general an opportunity to serve the American people without being involved in a partisan controversy."

NOTHING could be more pitiful than the plight of a politician who sees power passing from his hands. That is Boss Hague's fix. It is the fix of all the "ins" who as the situation now is shaping itself see themselves destined to become "outs."

That explains all the Democratic flinching about "drafting Ike."

HERE is this writer's purely personal opinion: Even if Ike were to weaken at the last moment and permit himself to be "drafted," Dewey and Warren would beat him.

It would come too late. Eisenhower would then have shaken the great confidence of the people in his personal integrity.

If General Eisenhower had said "I'm in the Republicans, when his name was first prominently mentioned: 'NO, I'm a DEMOCRAT. I must run as a Democrat or not at all.' all would have been lovely. He didn't do that. If he ran as a Democrat now, even this writer, who respects him immensely, could be badly jolted in his confidence in Ike.

LETTERS to the Editor

Editorial Wins Thanks Of State Forester

SALAM—I have just read your editorial of June 17, "Flood and Fire," and want to offer a "thank you" for this fine statement of the current situation.

It is easy to be lulled to sleep during late spring days when a warning sun has teamed with copious rains to make our hills and valleys so pleasing to behold. It is so easy to muse:

"The valley's bloom for it's springtime; There's grass growing green on the hills; The leaves all astir in swingtime. With you and me getting in on the thrills."

Then two or three scorching hot days with drying East winds and a fire boom up into a thunder head of smoke, and the sun is blocked out for days. Under such conditions the most efficient protection force is seriously handicapped. Many fire scars in West ern Oregon occurred when visibility was low.

The real secret to keeping Oregon's forests GREEN lies in first keeping the sky CLEAR. Visibility makes it possible for the look outs to report outbreaks at once and gives suppression crews a chance to blot them out while small.

The splendid teamwork of our newspapers and radio stations cannot be measured in dollars. They cannot be paid in coin of the Realm but must be content with the satisfaction of a public service well performed. I am sure you have done this.

Again—thank you.
N. S. ROGERS,
State Forester,
Salem, Ore.

From where I sit... by Joe Marsh

Will's Hospitality Isn't "Cracked"!

Ever since January, Will Dudley planned to give his living room that "new look"—planned to carefully refinish the woodwork and replaster the walls.

Every time Will got out the putty to start filling in the cracks, a neighbor stopped by to pass the time of day—and first thing you know, there was a group of us helping Will do the job up right. After Will called a halt to the evening's work, we'd sit around the fire enjoying a friendly argument and a sparkling glass of mellow beer.

So Will's living room doesn't look like it did a year ago—but it's by far the most "livable" living room I know! A place you can always drop in for good talk, good beer, and a warm welcome.

From where I sit, so long as Will puts that atmosphere of hospitality and good fellowship ahead of everything else, we'll all be happy to help Will change the look of his living room any time he wants.

Joe Marsh

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The splendid teamwork of our newspapers and radio stations cannot be measured in dollars. They cannot be paid in coin of the Realm but must be content with the satisfaction of a public service well performed. I am sure you have done this.

Again—thank you.
N. S. ROGERS,
State Forester,
Salem, Ore.

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