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CHARLES V. STANTON Editor EDWIN L. KNAPP Manager
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TREES FROM THE AIR

By CHARLES V. STANTON

An interesting experiment in the comparatively new "tree farming" policy of sustained yield forest management is now in progress and is attracting much attention from forestry experts. The experiment is sponsored by the Crown Zellerbach Corporation, which has pulp and paper mills at Camas, Washington, West Linn and Lebanon, Oregon. The company is engaged in seeding 4,500 acres of logged-off lands by helicopter, hand planting and seeding. The experimental plantings will include direct seeding of 400 acres on the Tahkenitch tree farm in Western Douglas County.

First plantings by winter seeding from helicopters were conducted a year ago. Initial checks indicate such satisfactory results that use of helicopters will be increased this season on four of the company's eight tree farms in Oregon and Washington.

Douglas County planting will include, in addition to distribution of seed through use of helicopter, hand setting of 10,000 cottonwood cuttings and an experimental planting of Monterey pine, under the direction of E. S. Young, logging superintendent.

The company is endeavoring to restock its logged-off areas with rapidly growing trees of pulp species.

Crown Zellerbach Corporation has entered into a long-range forest management program designed to furnish a perpetual supply of pulp timber for its paper mills. It has acquired many thousands of acres of logged-off lands in Washington and Oregon, is engaged in a very extensive reforestation program, and is blocking off proposed sustained yield cropping programs on a perpetual yield plan. By interspersing rapidly-growing species with slow-growing varieties and using its lands for production of pulp timber rather than saw timber, the company hopes to begin harvesting raw material from its "tree farms" within a comparatively few years.

Considerable experimenting also is being done with the introduction of new species of wood. Whereas our Western Oregon forests have predominantly yielded Douglas fir with some intermingled pulp species, such as hemlock, white fir, spruce, etc., Crown Zellerbach, in restocking these lands, is endeavoring to meet its own needs by planting trees more suitable for paper production. The attempt to introduce the Monterey pine will be closely watched. In addition, the company is experimenting with importations from several foreign countries.

The Lake Tahkenitch farm will receive helicopter seeding on 380 acres, while 20 acres will be hand planted to fast-growing hybrid poplars and 1000 Monterey pine.

The company reports much difficulty in obtaining seed from coniferous trees. The past season was listed as very poor for seed production. The Pacific Coast was searched from Southern Oregon to upper British Columbia. Contacts were made with Indians, Boy Scouts, fire wardens, loggers, foresters and others. These individuals were paid to locate cone-laden trees. Cones were purchased from individuals in addition to the harvesting by the company's own personnel. The cones then were taken to Salem, Oregon, where a private seed operator extracted the seed.

The program reported by the Crown Zellerbach Corporation is interesting from the standpoint of the attitude of large concerns in the matter of sustained yield operation. Whereas in past years large concerns have operated with little thought of perpetuating the resource and creating a perpetual source of supply, many of the companies now are adopting farming practices, treating trees as a crop which may be planted and harvested the same as any other agricultural crop.

Crown Zellerbach, for instance, has acquired more than a half-million acres of land, comprising eight tree farms. At present, the company's supply of pulp timber is barely adequate for its operation, but within a few more years, as the fast-growing trees are ready for harvest, it will have a perpetual supply of raw material capable of sustaining manufacture on a much larger scale, than at present.

Crown Zellerbach, of course, is not the only large corporation engaged in tree farming. Several of the larger companies in the timber industry also are adopting the tree farming plan.

Naturally, the experiments being conducted by these concerns are attracting widespread interest on the part of forest scientists and experimenters, as they point the way to a completely new policy in the management of our forest resources and perpetuation of our timber supply for all time to come.

Portland, Brother Die In Train-Auto Crash

ST. PAUL, Minn., Jan. 15.—(AP)—A Portlander and his brother were killed here Thursday in a collision of their automobile and a Rock Island passenger train. Three others were injured. Harrison M. Crouch, 69, Dodge Center, Minn., and Irving Crouch, 69, Portland, were in the front seat of the car. They died in an ambulance en route to a hospital. Mrs. Irving Crouch, 69, Portland, suffered a fractured hip and cuts and bruises; and her 7-year-old daughter Cheryl, suffered head cuts and bruises. They were in the back seat.

Both men were here visiting

a brother, The Rev. Charles Crouch, pastor of Hamline Methodist Church, and husband of Mrs. Beulah Crouch.

Copco Credit Pact With Four Banks Is Approved

SAN FRANCISCO, Jan. 15.—(AP)—A \$10,000,000 credit agreement between the California Oregon Power Company and four banks was approved by the California Public Utilities Commission Thursday.

The money will be used to pay \$4,500,000 of notes outstanding, and to pay in part for construction expenditures and further expand the company's credit. The agreement thus provides the company with \$5,500,000 in new money.

OUT OUR WAY



Scrapes from the MENDING BASKET

By Viannett S. Martin

"The Columbia River is frozen across at the Bridge of the Gods" said a radio newscaster. Well, Seeley Creek defies the freezing temperatures and keeps on its merry way towards the Umpqua!

Across the new-fallen snow is a neat pattern, a perfect feather-stitching design. It is where Mrs. Guinea has stepped precisely across the fluffy snow, leaving behind her little fans made by her three big toes, and a French knot beside each one, alternating of course, and each little fan pattern is connected to the preceding one by a long stitch made by her big rear toe that doesn't quite clear the snow as she sets each foot tidily down exactly six inches ahead of the other.

The pattern of the hens' feet is so different, more erratic, no connecting lines for their bigger feet are lifted higher. Mrs. Guinea's goes straight across the white yard without deviation; each little fan almost in a direct line.

Then there is the pattern made by Pretty's dainty feet as she steps across the white blanket, pausing now and then to eye a bird! We object when she catches one; does she have any thoughts when EJ catches a hen for our dinner?

And yes, here are Smoky's tracks where he has had a good

look around to make sure no soup bones are left lying around. He glides over an obstacle in a beautiful motion that is a delight to watch, effortlessly so far as the watcher can see. I have seen him lie on the gravel path obliviously to icy-weather, snug in his heavy black and white shepherd's coat. His home fence is barbed wire but does he mind that? He slips through neatly, never touching the wicked barbs, clearing the two wires exactly.

I have seen snow-men on the lawns but no circles with radiating lines for fox-and-geese; don't Oregon children delight in that game? Do they play, "Pom, pom, pullaway," the game we liked so well when I went to school? Snap the whip? Maybe it is as well they don't play that one—I was "snapped" once on the end of the line of bigger children and I recovered my senses some time after the house next door to the schoolhouse. I don't think anyone ever told my mother! There were so many things neighbors never told her! A youngster who was rather severely disciplined in an effort to make her a "lady." Indeed once when I was asked by a neighbor what I wished to be when I grew up, I said earnestly, "Anything but a lady!"

mond ring, he said.

In the Day's News

(Continued from Page One)

for nothing is the demagog politician's stock in trade.

AS to profits, here is something that isn't as well understood as it should be:

TOOLS HAVE TO BE PROVIDED OUT OF PROFITS, and it is TOOLS that make American industry more productive than the industrial system of any other country. Because of the tools with which he is provided, the American worker can BUY MORE WITH THE PROCEEDS OF AN HOUR OF HIS TIME than the worker of any other nation.

But to hear the demagogues talk, you'd think that profits are all blown in on wine, women and song.

A word more about tools:

Hire a man to move dirt and provide him only with a shovel and a wheelbarrow and you'll find that in modern competitive contracting you'll lose money on him even if you pay him only a dollar a day.

Provide him with a high-powered bulldozer and smart management and direction and you can pay him \$20 a day and still show a profit.

That's what tools do. But they DO cost money, and the money to buy them with has to come out of profits.

BACK in Columbus, Ohio, the other day, a youth stole a 300-pound safe, knocked off the hinges with an ax, removed \$100 in cash and a checkbook out of which he wrote phony checks till he was caught.

He told the cops he wanted money to buy his girl a present because she had bought him one. He had his eye on a \$1700 dia-

By J. R. Williams

Importance Of Apprentices Course Pointed Out Here

The importance of the apprenticeship training program in developing members of the trades was emphasized at a meeting of the Apprenticeship Subcommittees with electrical contractors in one session and with building contractors in a second session this week.

Apprenticeship council representatives present were W. H. Stevenson, Portland, assistant state director; Clarence Glass, Coos Bay, area veterans training inspector; Myron Johnson, Medford, representative of the U. S. Bureau of Labor; Maurice Romig, trades and industrial coordinator for Roseburg and Marshfield schools.

Conducting the electricians' meeting Tuesday night was Sam Reed, instructor of the electricians training class conducted twice weekly at the high school. Paul Moen, city inspector, brought out that a city license under the new ordinance up for final passage next Monday, requires that both journeymen and apprentices be licensed. An apprentice must have a state application card as the first step, and he must then attend the electrical classes being conducted at the high school from 7 to 9:30 p. m. Wednesday and Friday nights.

Efficiency Major Aim Purpose of the meeting was to attempt to enlighten contractors on what the state is trying to do in training apprentices. The aim is to turn out better qualified men for the work.

Reed explained that there are now 16 men enrolled in his course, which begins with magnetism and ends with industrial electronics. Edwin Wyatt teaches mathematics one hour each night. This covers basic arithmetic and elementary algebra. The class will handle up to 20 men, and is open at any time for trainees. The course is so designed that a person may go as slow or as fast as he chooses, said Reed.

Attending the electrical meeting as shop representatives were Ray Sims, Trowbridge Electric; Benny Dr. Freese, Roseburg Electric; Gene Rideenhour, Roseburg Cabinet Shop; M. Smith, Valley Electric; John Steeck, Ace Electric.

The carpenters meeting held Wednesday night with building contractors was along a similar line. Carpentry classes are also conducted twice weekly at the high school by Charles Polrot. Purpose of the meeting was to acquaint contractors with phases of the apprenticeship work as it affects carpentry.

Port of Umpqua Board Transacts Much Business

By S. S. SMILEY

Revised permit for a log storage boom for the E. K. Wood Lumber Co. of Reedsport, located on Smith River at the mouth of Hudson Slough, was approved by the Port of Umpqua Commission at its regular monthly meeting Monday.

Changes had been made in the original plans to allow for building of the new bridge across Smith River at this point. Construction of the bridge is expected to start soon.

The meeting was held in the directors' room of the Umpqua National Bank in Reedsport with all members present. John Purvis, port attorney, and H. C. McCrea, assistant secretary, were also present.

Commissioner Hinsdale reported the Umpqua River Navigation Co. is now digging a channel through the Brandy Bar gravel shoal. The channel is being dug to a depth of 15 feet, 200 feet wide, and about 200 feet long at this time.

It is estimated that the completed channel will be about 100 feet long, and will be wide enough and deep enough to allow for the towing of log rafts from Scottsburg, and gravel barges from Mill Creek.

Some of the gravel being dug in this channel project is being used commercially, the balance cast over out of the way. The Port Commission will stand part of the expense of the project when it is completed.

The U. S. District Engineer will be asked to furnish the commission a complete list of all federal projects now being undertaken on the Smith River, Umpqua River and Scholfield River, including channel projects and flood control work.

It was decided not to charge the Olson Steamship Co. moorage for the Barbara Olson, still idle at the Port Dock because of strike conditions. This ship was partially loaded when the longshore strike was called, and has never completed taking on her load of lumber.

Discussion was held regarding the proposed seaplane base at the end of Rainbow Plaza. Bills were paid, and the meeting closed, followed immediately by the annual meeting.

Weatherly Re-Elected Commissioner Lewis was elected temporary chairman of this meeting, and H. C. McCrea temporary secretary. Norman Weatherly was re-elected president of the Port Commission, and O. H. Hinsdale elected vice-president.

H. T. Lewis was elected secretary, replacing Nonda Anderson whose term expired, and who was not a candidate for re-election. S. S. Smiley was re-elected treasurer, with H. C. McCrea and John W. Purvis to continue as assistant secretary and port attorney, respectively.

Committees will include: Finance, Smiley, Hinsdale and Hogan; dredging and improvements, Hinsdale, Lewis and Hogan; har-

born, wharves and warehouses, Lewis, Hogan and Smiley.

The application of W. A. Pyritz of Smith River to continue renting islands owned by the Port Commission as grazing ground for cattle was approved, subject to the conditions of cancellation if the land is needed for other purposes. The next meeting will be held Feb. 7.

Boy Scout Troop At Dixonville Off To Good Beginning

Boy Scout Troop 45, sponsored by the Umpqua Riders at Dixonville, is getting off to a good start and now has eight members. This information was brought out at a meeting of the Riders last Saturday at the Dixonville Hall.

Scoutmaster E. L. "Mike" Church pointed out to the members that a "great deal of moral and spiritual good has been done to date for the boys, as well as providing them with fun and good times."

Church, who has had many years experience in forestry and young men's education in the way of the woods, stated that he is endeavoring to maintain discipline at its minimum in order to develop leadership qualities in the boys and obtain full cooperation. This type of discipline is necessary with the young boys, he explained. The scouts had a hike on Sunday supervised by Jim Church, Senior Patrol leader, and son of the Scoutmaster.

Committeemen are William "Curly" Anderson, Paul "Bud" Fischer and Lloyd Callahan. These men also devote their time and exercise to the boys. Fischer had previous Scout experience and Navy training.

A new flag was bought for the troop, and is to be used by them with the riding group in parades.

The Umpqua Riders held a New Year's party at Idley Park. The dinner-dance was attended by most of the Riders, although a few remained home because of bad weather. Attending were Mr. and Mrs. Anderson, Fischer, Mr. and Mrs. Church, Mr. and Mrs. Fred Heinz, Mr. and Mrs. Frank Stobbery, Mr. and Mrs. Robert Weldon and guests, Mr. and Mrs. Ralph Voeller. This was the second such event held at the lodge since fall.

ON U. OF O. HONOR ROLL UNIVERSITY OF OREGON

Eugene, Jan. 14.—(Special)—Three of the 224 students on the University of Oregon honor roll for fall term are from Roseburg. Honor roll status is earned by undergraduates with a grade point average of at least 3.50 based on not less than 12 term hours.

Included on the honor roll are Robert Mathis, son of E. M. Mathis, Route 1, and a sophomore major in liberal arts; James Sanders, son of Mrs. Belle Sanders, 133 N. Parrott, and a junior ma-



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