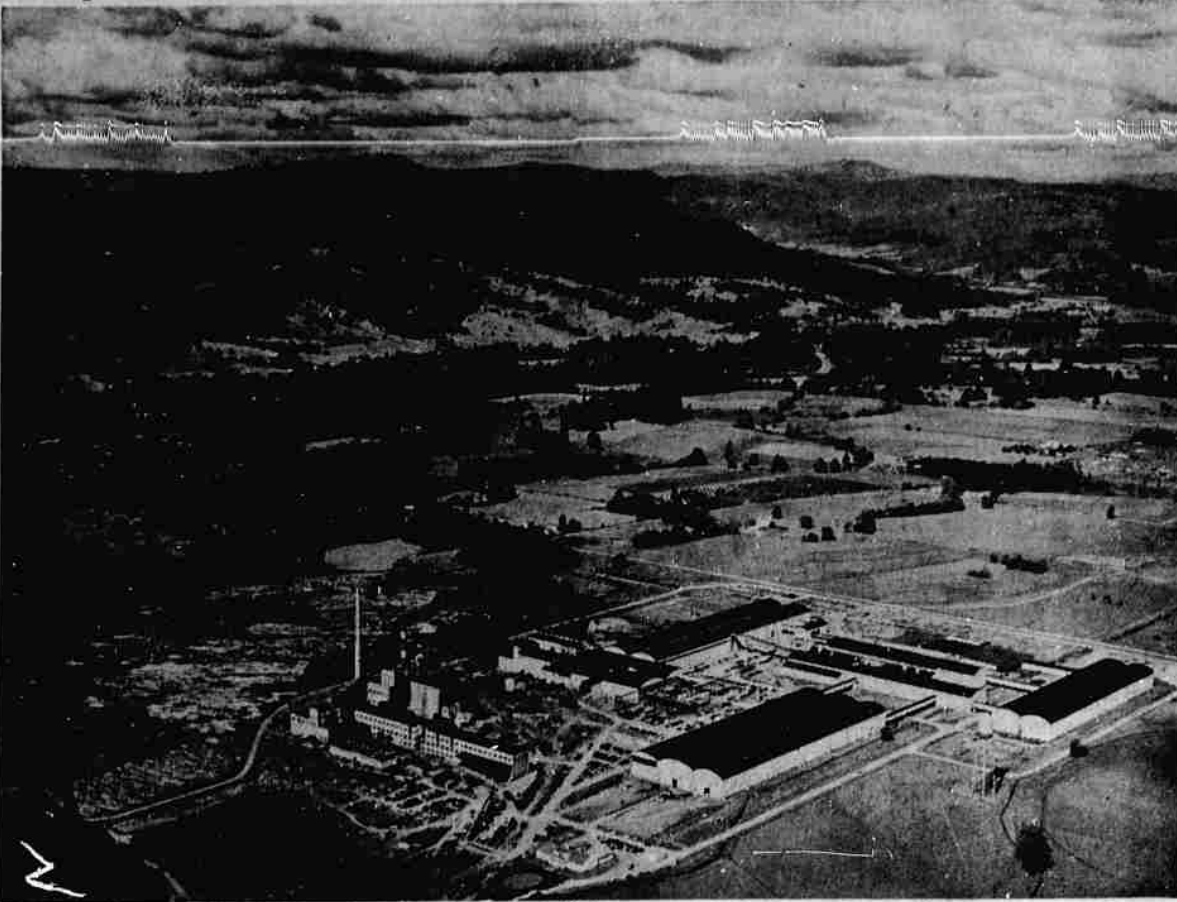


Weyerhaeuser Opens 'Waste-Free' Mill At Springfield



SPRINGFIELD—(Special)—Open house will be held at Weyerhaeuser Timber Company's new integrated manufacturing center at Springfield during the week of December 5-9, inclusive. The public is invited to inspect conveyor-linked processing facilities which produce lumber, container board, and power for a kraft pulp mill and sawmill. It is Weyerhaeuser's and Oregon's first large-scale wood using plant site to be engineered for full integration from the beginning of operation.

On the 460 acre site logs from industrial and farm forests and by-products from sawmilling operations will all find an economic outlet. Facilities for maximum wood recovery include a 250,000 board foot capacity sawmill, 150 ton kraft pulp mill and container board plant, and a power plant supplying electricity for all mill operations.

The familiar dome-shaped waste burner is banished from the waste-free site because sawmilling by-products are either "bonus" wood for the pulp mill or fuel for the power plant. The pulp mill also provides a market for sound "waste" wood, such as mill trimmings, from other sawmills in the Eugene-Springfield area. The Springfield installation is hailed by northwestern industrial leaders as a forward step in creating more payroll dollars from less raw wood input and as an economic solution to better forest management of timberlands.

In aerial view group of concrete buildings surrounding tall

stack at left are Kraft pulp mill, Oregon's second such plant, which will utilize principally Douglas fir. Containerboard plant is long, low building. Remainder of buildings at right include sawmill, dry kilns, planing mill and shipping sheds of modern lumber plant.

AEC To Build Fourth Atomic Energy Plant

OAK RIDGE, Tenn.—(AP)—The fourth in a series of atomic production units will be built here at a cost of about \$162,000,000.

Plans for the plant were disclosed in an atomic energy commission announcement. It said the Maxon Construction Company, Inc., of Dayton, O., has been approved as construction contractor and Giffels & Vallet, Inc., of Detroit as architect-engineer for the project.

The two firms already are building a \$66,000,000 plant known as K-29. It is the third in a series of gaseous diffusion units for production of uranium-235 in the Oak Ridge area.

The Carbide and Carbon Chemicals Corp., operator of the present gaseous diffusion units, K-25 and K-27, is responsible, the AEC said, for process development and design for the newer units and for procurement of special production equipment and materials.

Funds for K-29 were authorized

August 26. Formal approval of K-31, the fourth gaseous diffusion unit, was announced Oct. 25. At that time, a \$300,000,000 atomic expansion program was announced, and \$50,000,000 of the sum was set aside for the Tennessee Valley Authority.

The AEC said TVA would supply the additional power needed for K-31.

Preliminary construction work is expected to begin within a week on the new unit, which will be in the same general area as the other gaseous diffusion plants.

Both new units will contribute to increased production of uranium-235, the commission said. U-235 is a fissionable element of atomic bombs.

X-Ray Microscope Can 'Look' Inside Steel, Candy Bar

PHILADELPHIA—(AP)—General Electric company has disclosed production of an X-ray microscope that can show the inside of things through which light cannot pass.

In other words: It can look into a bar of steel or a bar of candy. The new instrument was shown for the first time at a meeting of the American Society for X-ray and Electron Diffraction.

Charly M. Lucht of the G-E research laboratory told the group the X-ray microscope is still in the laboratory stage of development.

But Miss Lucht pointed out it "may result in much sharper images and higher magnifications than are possible using visible light."

"The instrument may compete with electron microscopes in the future."

Right now, electron microscopes are the most powerful magnifying instruments in use. These use a beam of electrons rather than light to form an image of materials under study.

Miss Lucht said the X-ray microscope does not need to be used in a vacuum like the electron microscope.

"Because of this advantage," she said, "it may be possible to examine living materials at much higher magnifications than ever before."

She reported that "clear, sharp X-ray images, magnified 10 times have been produced in the laboratory, and these images have been magnified 10 times further by photographic enlargement without serious loss of detail."

So far the X-ray microscope has been used only to study the insides of fine mesh screens. And Miss Lucht says the instrument's ability to reveal tiny details has been excellent.

The microscope operates on the principle that X-rays can be reflected from polished surfaces, as can visible light, provided that the rays strike the surfaces at very small angles.

The instrument consists of an X-ray tube and a pair of curved mirrors. The X-rays strike the mirrors at an angle of less than one-half degree. The mirrors bend

Linger Longer Clubbers Welcome New Member

The Linger Longer club of Myrtle Creek was entertained at the home of Mrs. Henry Weber. During the business session Mrs. Art Wilkens, president, welcomed Mrs. Mahoney as a new member of the club.

The evening was spent in visiting and playing several games. Prizes were given for highest and lowest scores. Refreshments, of an Oriental flavor, were served. Those present were: Mrs. Art Wilkens, Mrs. Cecil Callahan, Mrs. Roy Gordon, Mrs. Cora Clayton, Mrs. Gordon Burnett, Mrs. Henry Trobaugh, and Mrs. Mahoney.

the beams in such a way as to cast a magnified X-ray image of the sample on a photographic film.

Not Candidate For President—Byrnes

GREENVILLE, S. C.—(AP)—James F. Byrnes says he is not a candidate for president of the United States. The former secretary of state made that statement yesterday in an interview.

Byrnes, who said recently he was considering becoming a candidate for Governor of South Carolina next year, abruptly ended speculation which gained momentum at the Southern Governors' conference two weeks ago. Gov. Kerr Scott of North Carolina, returning from the governors' conference at Blox, Miss., was quoted as saying there was much speculation that Byrnes might be proposed by states' rights democrats as the Democratic party's presidential candidate in 1952.

If that failed, Scott was fur-

Santa Claus Bombarded By Snowballs In Parade

FITCHBURG, Mass.—(AP)—The kids of this central Massachusetts city certainly gave Santa Claus a bad time with snowballs. Santa Claus was the central figure in the annual Santa parade here. Thousands of youngsters lined the snow-covered streets to see their favorite person go by on a float.

However, their fun was spoiled when older kids heaved snowballs at the old gentleman.

ther quoted, the states' righters might try to persuade Byrnes to run as the States' Rights candidate.

Byrnes said yesterday, however, that he would not be a candidate for president or vice-president of the States' Rights party, the Democratic party, the Republican party or any other political party.

AT PENNEY'S... SHIRTS

Store Hours 9:30 to 5:30

2.98 C&C VALUE!

WHITE DRESS SHIRTS FROM PENNEY'S WORLD OF THRIFTY GIFTS!

White is right! It's the one dress shirt men look forward to at Christmas. And they'll go for these Towncraft whites more than ever, because Penney's tailor every shirt from new high quality Sanforized broadcloth... 220 threads of fine combed cotton to each square inch. The Nu-Craft collar sets right, won't wilt after a hard day's wear. Sizes 14 1/2 to 17.

2.98 C&C Value

RAYON DECORATED BROADCLOTH SHIRTS

This Towncraft Sanforized cotton broadcloth is flecked with lustrous rayon dots that make it a sure fire fashion favorite. Ocean pearl buttons... Nu-Craft collar. Blue, tan, green. 14 1/2 to 17.

2.98 C&C Value

MEN'S END-TO-END BROADCLOTH SHIRTS

Here's why men rave about Towncraft end-to-end broadcloth shirts... End-to-ends are sturdy—take the toughest wear and laundering. Soft canyon colors, blue, tan, and green. 14 1/2 to 17.

MEN'S UTILITY SLIPPERS

3.98

For indoors, they're comfort-built—see the wide elastic insert! For sturdy 'round-the-yard wear, they feature elk-finished cowhide uppers, composition soles! 6-12.

GIVE HIM A BEACON ROBE

6.90

"Beacon" marks the robe that's much wanted for its unusual qualities of softness, smoothness and really snappy good looks! Our glen plaids make dandy gifts for men! S, M, L.

BROADCLOTH PAJAMAS

2.98

Every man likes pajamas that don't creep up and bind when he turns in bed. So give them Penney's Towncraft pajamas in coat or slipover style. A-D.

Reflecting CHRISTMAS CHEER

with Bright, Shining MIRRORS!

For a finer gift... give one of these beautiful plate glass mirrors! For the home!

20"x30" mirror	15.60
24"x36" mirror	19.00
16"x48" mirror	18.75
24" round mirror	12.50

Others from 9.95

30"x40" Mantel Mirror

Genuine plate glass—improved sealed back—complete with hangers! A gift for the home!

3350

Carstens FURNITURE COMPANY

Phone 10 117 W. Cass

A gift for all is a gift for the home!

AT PENNEY'S TIES

Select all your Christmas gifts NOW at Penney's! Shop NOW while stocks are full and selections are larger!

C&C 1.49 CHRISTMAS VALUE!

SUPERB RAYONS FROM PENNEY'S WORLD OF THRIFTY GIFTS!

These Towncraft* ties are the kind a man can knot day after day and they'll still look Christmas-fresh (the fabric is that good). Patterns are bold but not brazen. Colors are as full of life as a desert sunset. Every tie is crafted with extra care... designed with good taste in mind, and priced far below its custom shop looks... 1.49.

Give Him a Gift Certificate for a Marathon Hat!

- With Every Certificate You Will Receive Free, an Attractive Miniature Hat in a Plastic Box.
- He May Redeem the Gift Certificate at Any Penney Store — and Receive the Hat of His Personal Selection.

LADIES!

Here is the Answer to Your Xmas Gift Problem for Him!

Genuine fur felt dress hats. Choose from many styles—all in new Fall colors. Sizes 6 7/8 to 7 1/2.

3.98 to 6.90