

# New Copco Transmission Line Under Construction

## \$3,500,000 Project Will Supply More Power Needs

A 75-mile transmission line between Medford and Klamath Falls is under construction by the California Oregon Power company.

This line and a substation east of Medford comprise a \$3,500,000 installation designed to supply added electric power requirements in this area by utilizing power to be generated by the company's hydro-electric development under way on the Klamath river downstream from Keno.

The transmission line will operate at 230,000 volts, the first voltage of this magnitude to be operated on this part of the company's system, according to Frank Benesh, district manager.

The cleared right of way can be seen along the foothills east of Medford. This part of the route makes minimum use of agricultural lands and parallels an existing 120,000-volt line, he said.

### Crosses Dead Indian

The line crosses the Dead Indian rd. near the old Murphy ranch east of Ashland and crosses the Siskiyou mountains in the vicinity of Soda mountain. Thence, the route passes near the Pokegama area to the Salt caves near the Klamath river, which is the location of a future power plant, to be near Keno and terminates at the company's 230,000-volt substation near Klamath Falls.

The three transmission wires are each 795,000 circular mil (1.108 inches in diameter) aluminum strung on two-pole wood H-frame towers. Normal span length are 750 feet with at least one being 2,400 feet, Benesh said. There are seven to eight towers per mile. The total cost of the line is approximately \$2,250,000, he added.

### Under Construction

The initial 25 miles from Medford to the Davis ranch at the foot of Soda mountain is now under construction, and is expected to be completed late this year. Ninety employees, 40 regular permanent employees and 50 temporary employees are at work on the line, Benesh stated.

Plans call for completion of the line all the way to Klamath Falls in the latter part of 1958, which will coincide with the completion of the Big Bend project, the first hydro-electric generator of the Klamath river development.

The substation, approximately a \$1,250,000 project, will be installed just east of the present power center, known as the Lone Pine substation at Lone Pine and Foothills rd.

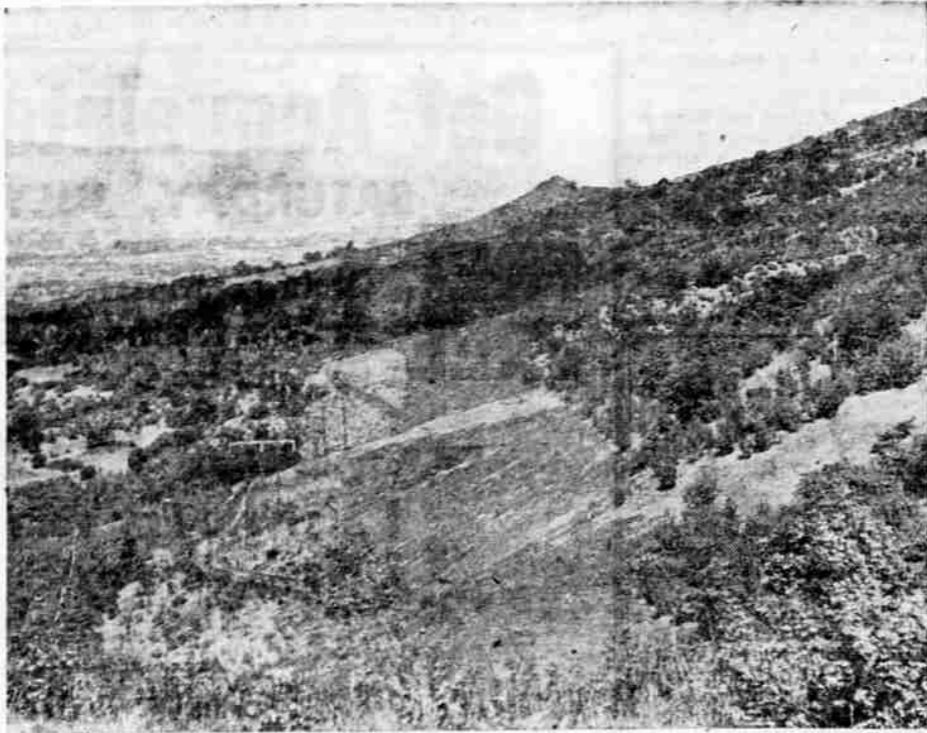
A few months ago, the company purchased 81.5 acres in the area, the district manager said. About 61 acres of this was formerly known as Stewart acres. This space provides for two present transmission lines and the new 230,000-volt line coming down the slopes of Roxy Ann, plus future lines and the new substation.

### New Substation

The new substation will transform 230,000 volts to 69,000 volts, Benesh said. The initial capacity will be 125,000 kva (167,000 h.p.) and is designed for an ultimate capacity of twice that, or 250,000 kilovolt amperes, he added.

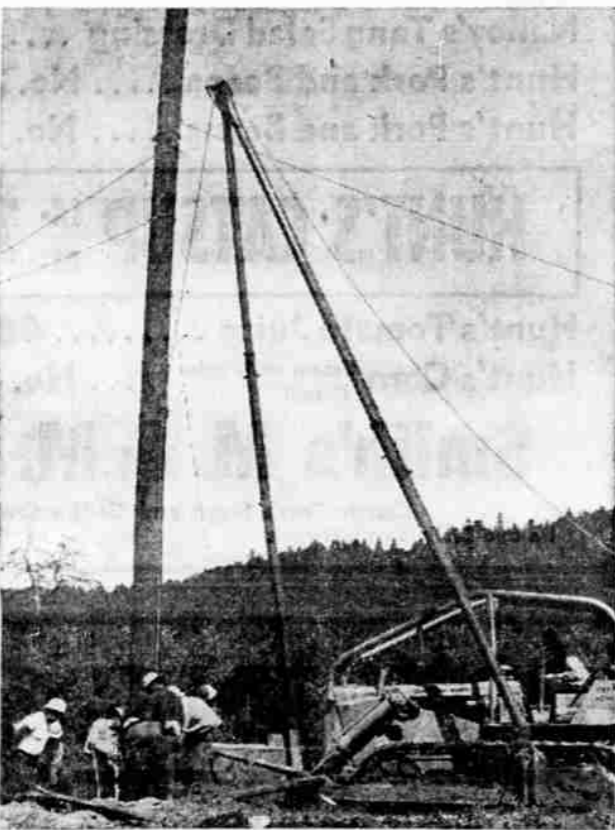
Structures in the substation will be of steel and, together with equipment, will occupy 3.85 acres. Three transformers each 41,667 kva, with a fourth as a spare, comprise the main equipment in the station Benesh said.

Each transformer weighs 138 tons and contains 16,890 gallons



**POWER PATH**—A transmission line to bring 230,000 volts of electricity to the Medford area will cross the foothills east of Medford. This is part of the path cleared for the line on Roxy Ann, paralleling the present 120,000-volt line. The installation, which already has

been done in the area above, will cost an estimated \$3,500,000 and will utilize power to be generated by California Oregon Power company's hydro-electric development under way on the Klamath river downstream from Keno.



**POLE RAISING**—A specially equipped Caterpillar and three guy wires hold a pole in place as a crew tamps dirt in around the bottom. The transmission line average span length is 750 feet with at least one being 2,400 feet. The two-pole towers will carry the aluminum line 75 miles to supplement Medford's electric power supply.

of oil. The main body measures 14.5 feet high, 14 1/4 feet wide and 26 feet long. Cost of these transformers alone will be \$725,000. The transformers will be shipped late this year and installation started with completion scheduled in 1958, he added.

### FOR NON-COMS

Detroit—Gardiner C. Voss, who failed to achieve officer's rank as a student at Wentworth Military Academy, Lexington, Mo., has established a \$100 cash award to be given corporals or sergeants with the highest scholastic average during their senior high school year.

### LICENSE PRICE RAISED

Augusta, Me.—Maine has raised its fee for automobile operators' licenses for the first time since 1912. This year's legislature hiked the fee from \$2 to \$3.



**POLE TRANSPORT**—A truck and trailer, which has a steering device, carry power poles to the point where they will be raised and set in the ground. The poles support three

transmission wires, each more than an inch in diameter. Two-pole H-frame towers are used along the route, with seven to eight towers per mile.

## Portland Orchestra Warmly Welcomed

Portland — The Little Chamber Orchestra of Portland arrived home Thursday night to face an ovation at Portland International Airport as enthusiastic as those heard on the orchestra's triumphant 82-day tour of Europe.

The all-girl orchestra played concerts in Finland, Sweden, Belgium, Germany, and France, all to critical and public acclaim. They will present homecoming concert here Monday night under the baton of Director Boris Sirpo who has taken the group on two successful European tours.

## Quotes From the News

By UNITED PRESS

New York — Horace Stoneham, president of the New York Giants, on plans to pull the baseball club out of New York: "We cannot accommodate fans here any more even if we want to."

Washington—Former heavyweight champion Joe Louis, on his attendance at the bribery-conspiracy trial of Teamsters Vice President James R. Hoffa: "I just came down to see what they're doing about my friend, Jimmy Hoffa."

Jerusalem—Israeli Premier David Ben-Gurion, on the alleged split in the Arab camp: "Arab rulers may quarrel among themselves over hegemony and other pleasant things, but let's not forget that what unites them is hatred of Israel."

Tallahassee, Fla.—Gov. Leroy Collins, criticizing major television and broadcasting networks for censoring southern folk songs: "There may be a lot of things going out over the air that we could get along better without, but let's not put the whammy on mammy."

Fucho, Japan—Airman 3c Donald Wheeler of Cortez, Colo., on charges he disobeyed orders to get a "white sidewall" haircut: "I do not want to look like a shaved jackass."

### Grant County Road Crew Strike Averted

John Day, Ore. — A possible strike of some 19 Grant county road department employees was averted Thursday night after the Grant County Court agreed to discuss wage and working conditions at a meeting Aug. 8.

Employees have asked a 44-hour work week without loss of present pay, sick leave of one day per month and a one week vacation after one year's work.

shortly before his death in 1941.

The ceremony was climaxed when the 50,000 scouts seated around the hillsides of the huge amphitheater each lighted a candle and recited with Boy Scout oath en masse.

## Rededication To Boy Scout Oath Ends Jamboree

Valley Forge, Va. — The fourth National Boy Scout jamboree ended Thursday night with an impressive candlelight ceremony of rededication to the principles of the Boy Scout oath. The big job of moving the mass of scouts and their equipment to their homes across the nation began in the early hours of the morning and continued through the day.

The scouts who came from the farthest parts of the country were allowed to strike camp and pack ahead of the rest who embarked on last minute trips to Philadelphia for a tour of the many historic shrines.

The big closing show, based on the theme of world friendship, paid honor to Lord Robert Baden-Powell who founded the first troop in England.

### First Encampment

A tabloid was presented on the huge stage Thursday night depicting the first encampment of scouts under Powell seated around a small camp fire. The fire grew into a large blaze symbolizing the spread of scouting throughout the world. The tabloid ended with a message for boys around the world recorded by Lord Baden-Powell

### Portland Youth Drowns In Lake Oswego Swim

Oswego, Ore. — Nathaniel Carter Jr., 19, Portland, drowned Thursday afternoon while swimming in Lake Oswego.

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