

# Live South of the 'Wavy Line'? You Can Build a Solar House

By RENNIE TAYLOR  
Associated Press Science Reporter  
CORVALLIS—(AP)—If you live south of a wavy line drawn across the map of the United States by a Weather Bureau researcher, you may be in a place where it is feasible to build a solar house.

This sunshine area embraces about one-third of the geographical area of the country. However, sunshine is not the only factor. It takes into consideration such things as the intensity of the sun's radiation, wind velocity, the cost of coal, oil, gas and electricity.

THE MAP was worked out by Dr. Irving F. Hand of the Weather Bureau's Blue Hill Observatory at

Milton, Mass. It was shown at a meeting of the American Meteorological Society.

A long period of recording the sun's radiation at various places in the country made the map possible.

In the southwestern corner of the United States this solar radiation equals 1,600 BTU, or British Thermal Units, per square foot of surface per day. Farther northward it drops to 1,200 BTU and even lower.

Dr. Hand's wavy line starts on the Pacific Coast near Monterey, Calif., and extends northeastward to San Francisco, Reno and on to the Nevada-Idaho border, where it forms a round hump and starts

southeastward. It curves slowly toward the area just south of Salt Lake City then rises again northward to a spot near Cheyenne, Wyo., where it forms another round hump.

Then it curls southeastward again grazing the two southwestern corners of Nebraska and cutting diagonally through Kansas, taking in all of Oklahoma except the northeast corner. It includes all of Texas, the western half of Louisiana. Then it runs eastward just a little inland from the Gulf Coast and turns northward to include Florida, Southern Georgia and the coastal areas of South and North Carolina.

## Plucky Collie Goes 20 Days Without Food

SEATTLE — (AP) — A plucky collie dog named Lassie was recovering Tuesday after being rescued from an abandoned dry well in which she had been trapped for 20 days without food or water.

Mrs. Carl Hansen, owner of the three-year-old dog, said Lassie was so weak she couldn't stand up and her eyes were coated so badly she couldn't see. The dog had lost 30 pounds.

Volunteer fireman Frank Jacques discovered Lassie in the 30-foot well. The dog had dug a tunnel several feet long in a hopeless attempt to free herself.

## U.N. Troops Do Not Budge

### Reds Step Up Bloody War

SEOUL, Korea — (AP) — Chinese Communists Tuesday shot off their big guns at probably the fastest clip of the Korean War. They failed to budge United Nations infantrymen defending a T-shaped knobby hill.

A battalion of about 750 Chinese struck at the hill three times in 2½ hours and were turned back each time by bayonet wielding U. N. doughboys standing fast at the bottom.

THE SIX-DAY-OLD fight for the Western Front high point near Chorwon is the biggest and bloodiest of the war since January. Allied troops won a foothold on the bumpy formation. Last Thursday they now hold three of its rocky knobs. The Reds have been counterattacking bitterly.

U. S. Eighth Army briefing

officer said shelling by both sides was "very heavy" Monday and that the pace held up Tuesday.

Chinese tanks and self-propelled guns poured 5,000 shells on the three Allied-held knobs Monday. U. N. fighter-bombers and tanks delivered answering fire.

An Allied officer at the front said the Reds have lost more than 1,000 killed and wounded in the fight for hill T, and that the Red dead are "still piled up" on its approaches.

The Reds fired 18,500 artillery and mortar rounds at Allied positions across the 155-mile Korean front Sunday night and Monday. U. N. authorities said it probably was the biggest Red bombardment of the war, nearly two years old.

CHORWON was the Western

base of the Reds' iron triangle buildup area. Pryongyang was the apex and Kumhwa the eastern base.

The Eighth Army reported its forces last week killed 1,738 Reds, wounded 1,497 and captured 47 — the highest Red casualty figure since the third week in January.



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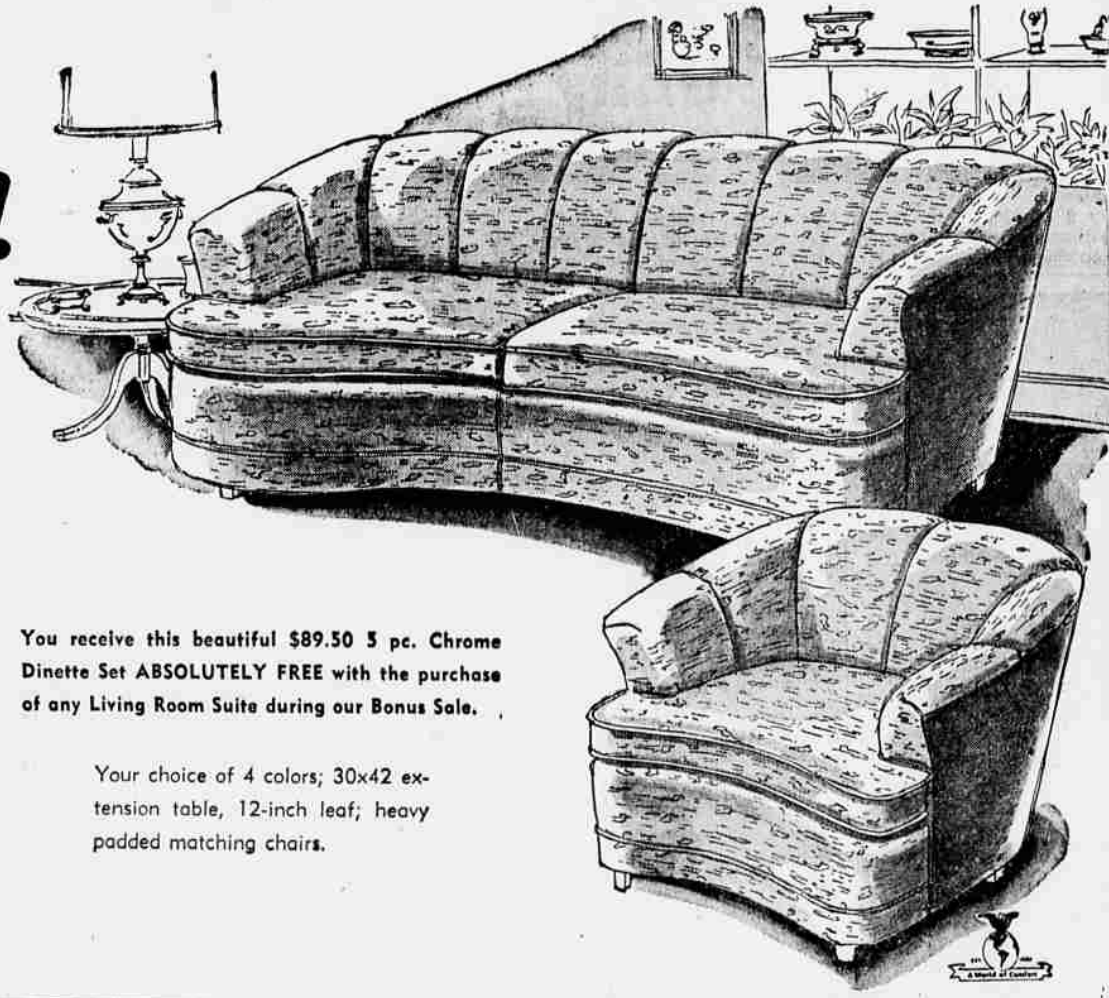
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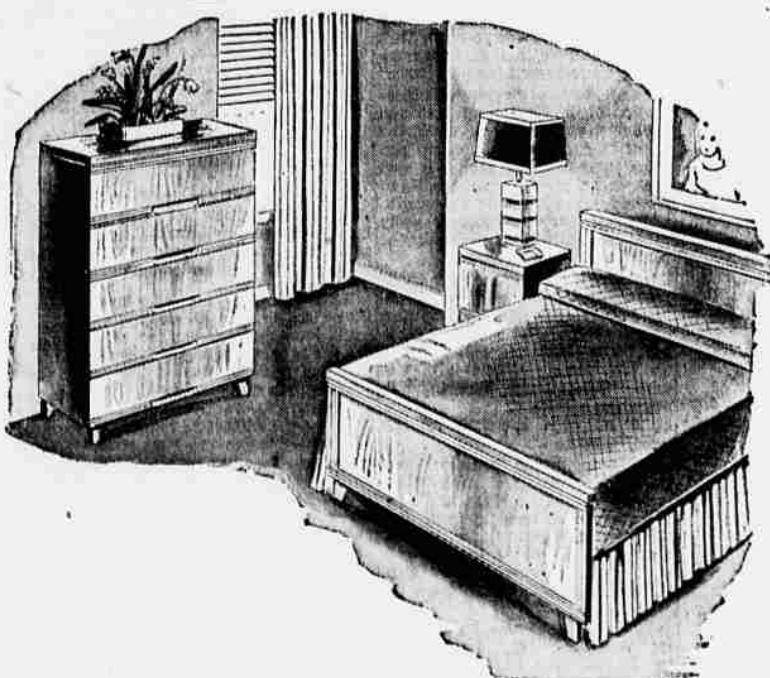
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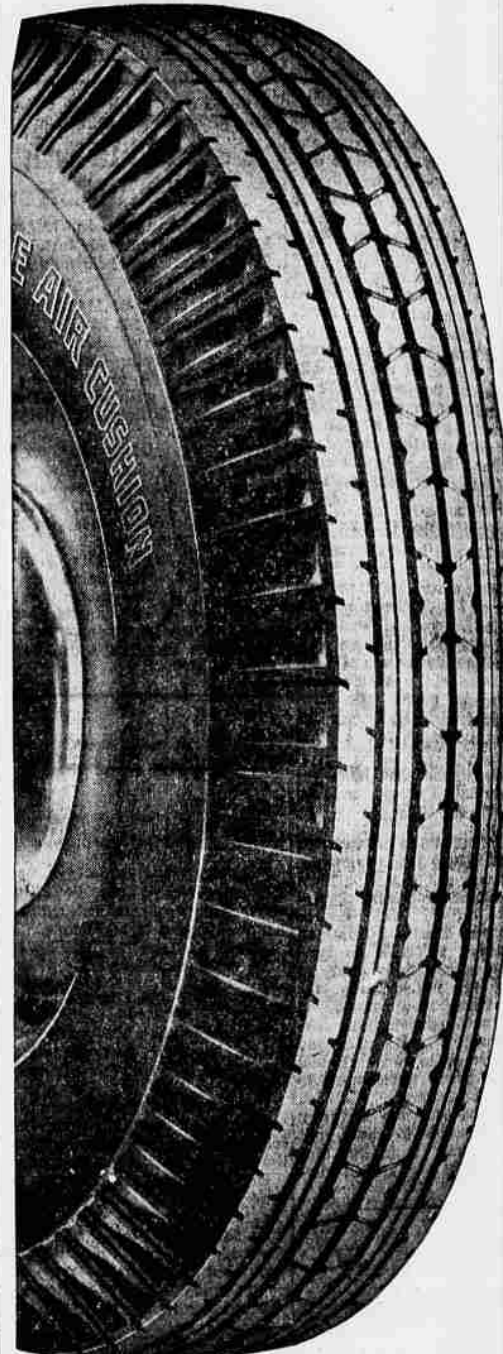
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