

**Geysers** and hot springs

76 UNION



Boiling lake in a volcanic park sends out steam and sulphurous fumes. Groundwater drained down to magma far below, superheated and shot up cracks to the surface; the acid steam then dissolved any soil around the opening and, as this slid down, churned up a huge mudpot. Such steam also dissolves weak rock underground—and you hear mudpots rumbling beneath the surface. Iron oxides color these pools red, yellow and brown, and delicate sulphur needles decorate the banks.

Warm pools delight children at a spa, and the quiet, informal atmosphere appeals to their parents. Steam, minerals and massage seem to ease arthritis and rheumatism, and the privacy—most spas are isolated—fosters relaxation, reading and family companionship.



SHOOTING OUT IN GEYSERS, bubbling up in mudpots and overflowing in hot springs, waters from the earth's inferno break to the surface all over the West.

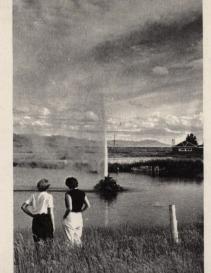
Some of these waters can delight you with spectacular displays—steam vents 200 feet high, rock veins filling with dissolved minerals, electric plants running on geothermal power and lakes "boiling" before your eyes.

Others, however, can soothe you with relaxing warmth, or leave a tingle on your tongue.

You'll find developments as varied as the waters, from hand-hewn cedar tubs in a Forest Service camp to the tiled, canopied pools of a resplendent resort.

Here, from your Union 76 Minute Man, is a guide to this hot-water world, and the hope you enjoy its wonders on your Weekend Adventure Drive.





Geyser at a lodge sprays high for guests —while another, capped and unseen, heats the rooms and fills the pool. Traditional geysers, such as at Yellowstone, "percolate" water intermittently. Most Western geysers and steam vents (fumaroles) are continuous, will spout until capped or caved in.





Tile tubs now come in form-fitting shapes, complete with aerators, agitators and temperature dials. A mineral bath or plunge in the pool costs only a few dollars at even the most posh resorts. Mud baths, salt packs, rubdowns, massage sessions and figure analysis are extra, however, along with the latest infrared heat and ancient medicated vapors.



The modern spa, like its turn-of-the-century predecessor, counts on lake views, woods strolling, hearty food and mountain air to work along with the mineral springs. You will be urged to "take the waters" inside and out, so bring robes and slippers for lounging. For a quick snap back into action, try a steam bath followed by a swim. Several spas can offer both in the same spot, for the hot springs bubble out right beside the stream.

## **GEYSERS AND HOT SPRINGS** IN WASHINGTON AND OREGON - A SAMPLING OF THE SPAS



WASHINGTON 1) Harrison Hot Springs (B.C.) A 200-room luxury resort on a huge mountain lake an hour north of the border.

(2) Olympic National Park Sol Duc and Olympic Hot Springs—the "hot tears" of frustration from two legendary mountain monsters who battled each other to a draw

(3) Garland Mineral Springs Free mineral waters-hot, cold, clear or carbonated-12 miles northeast of Index.

(4) Soap Lake

A natural "bubble bath" in the coulee country-free swimming in the mineral lake. and hot baths nearby.

(5) Bonneville Dam area St. Martin Hot Springs to the east and Bonneville Mineral Spring to the north-both off Highway 830.

OREGON (6) Austin Hot Springs

A free 12-acre picnic area and campground run by Portland General Electric along the Clackamas river 65 miles southeast of the city. Hot-spring waters (200 degrees) spill into the river to make a warm wading pool-and get piped into the campground for cleaning up the dishes.

7) Bagby Hot Springs

A free Forest Service bath-house (with hand-hewn cedar tubs) far up the Clackamas and Collawash roads and then by trail 11/2 miles to the camp-ground and spring.

(8) Warm Springs Kahneeta hot springs-by the Deschutes river inside the Indian reservation.

(9) Breitenbush Hot Springs Lodge and steam mineral baths at the edge of the Mount Jefferson primitive

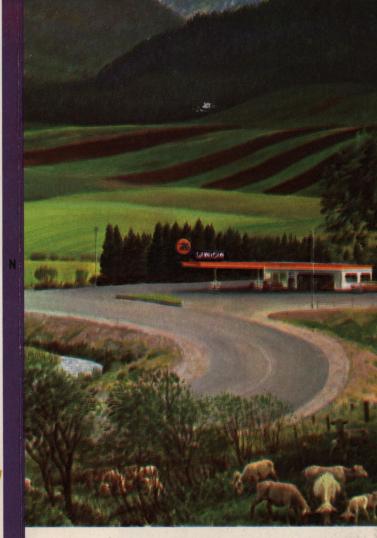
(10) Belknap Springs Popular baths and pool by the McKenzie River east of Eugene,

(11) Lehman Hot Springs A huge warm-water swimming pool among the Blue Mountain forests just east of Ukiah.

(12) Radium Hot Springs Picnic area and warm-water pool along the old Oregon Trail one mile from Haines.

(13) Jackson Hot Springs Pool and baths off Highway 99 two miles north of Ashland.

(14) Lakeview A 60-foot geyser north one mile along Highway 395— another, 35 miles east near Crump Lake, shoots up 150 to 200 feet.



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