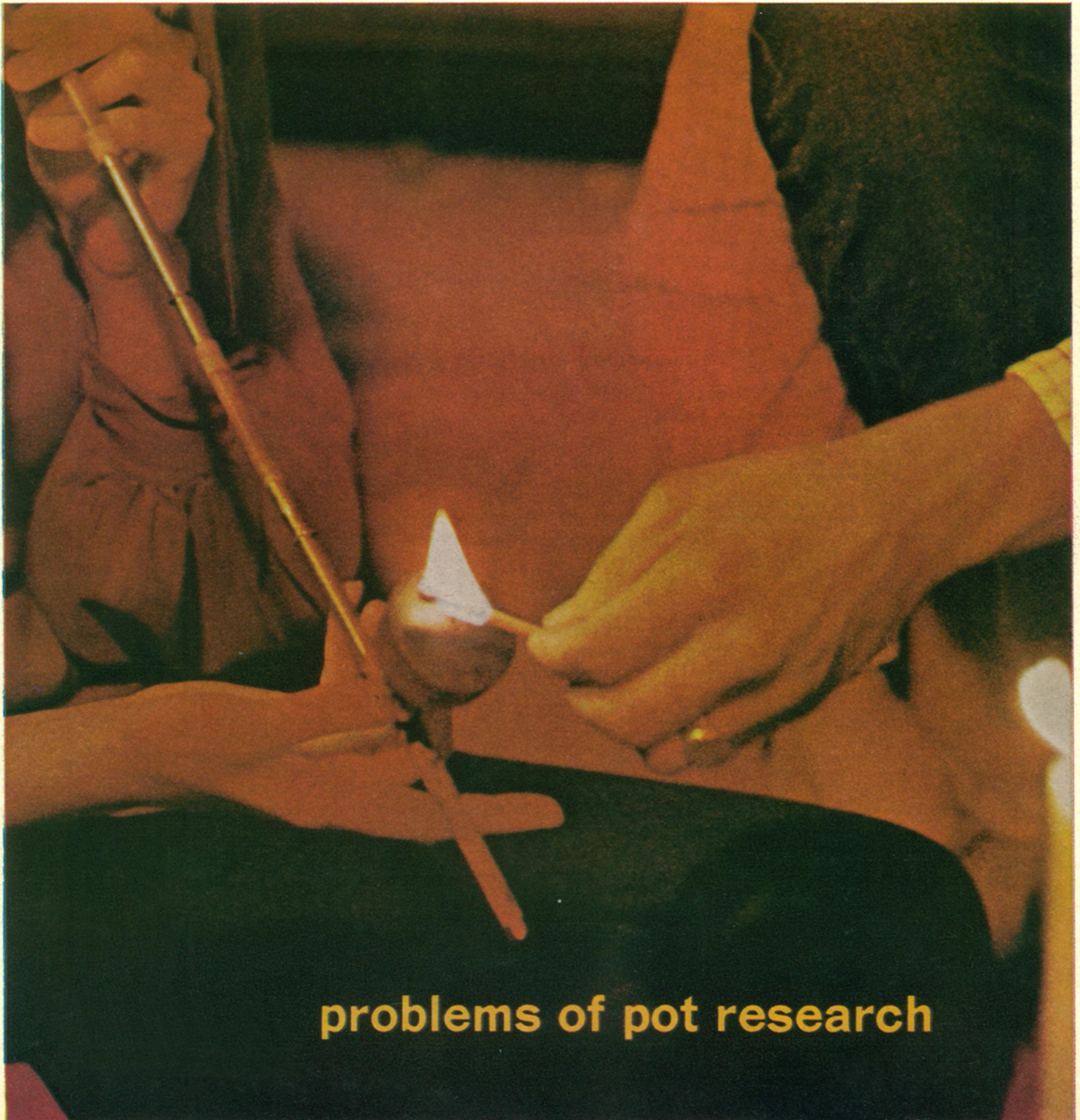


science news

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- 97 **Nuclear Sciences:** Blasting for oil and gas; Water and nuclear craters; Regulating seismic shock; Wet environment and fallout; Test series from Plowshare; Tritium residue; Radioactivity in a reservoir
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As marijuana becomes more and more a public issue, scientists are marshaling resources for a thorough investigation of the biological effects of the drug. There may be some answers in the next two years. See page 102. (Photo: Bureau of Narcotics)

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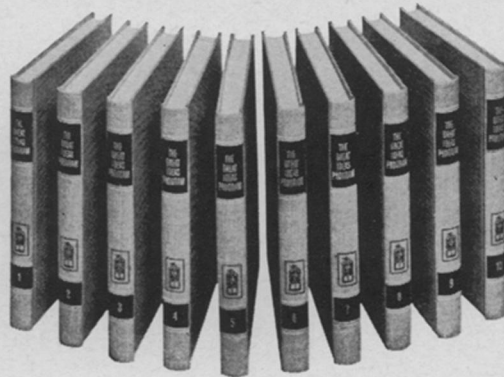
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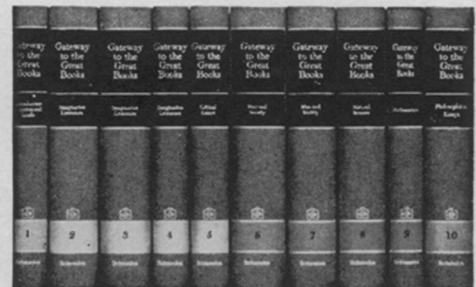
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THE SHORT-LIVED EVENTS OF 1969

Documentation includes information on 64 earth science events: 18 *volcanic eruptions* in Alaska, Antarctica, Costa Rica, Hawaii, Indonesia, Japan, the Marianna Islands, New Zealand, Nicaragua, Peru, the Philippines, and the Soviet Union; 23 *earthquakes* in Alaska, the Aleutian Islands, California, the Caribbean, Ethiopia, Indonesia, the Mediterranean Sea, Peru, the Philippines, Portugal, the Red Sea, the Solomon Islands, South Africa, Turkey, the USSR, and Yugoslavia; and other earth science events such as *landslides, landrises, storm surges, and tsunamis*; 51 ecological events including 11 *animal irruptions, migrations, colonizations*, 17 *major oil spills and pollution events*; 21 astrophysical events including 16 *major fireball events* in Brazil, Greece, Japan, Malawi, New Zealand, Tunisia and the United States, and 5 *meteorite falls* in Australia, Canada, Czechoslovakia, Ireland and Mexico, and their recovery; 7 *urgent anthropological/urgent archaeological events* including two new tribe discoveries (in Surinam and Colombia) and a number of other events of interest including a floating island in the Caribbean, a submarine volcanic eruption in the Solomon Islands, the Indo-Pacific Starfish Plague and reports of *transient lunar events* observed during the Apollo manned lunar missions.

The report is now available at a cost of \$5.00 per copy including postage. If you desire to receive the Smithsonian Institution Center For Short-Lived Phenomena 1969 Annual Report, please send a check, money order, or purchase order to: Smithsonian Institution, Center For Short-Lived Phenomena, 60 Garden Street, Cambridge, Mass. 02138. Please make checks payable to the "Smithsonian Institution."

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