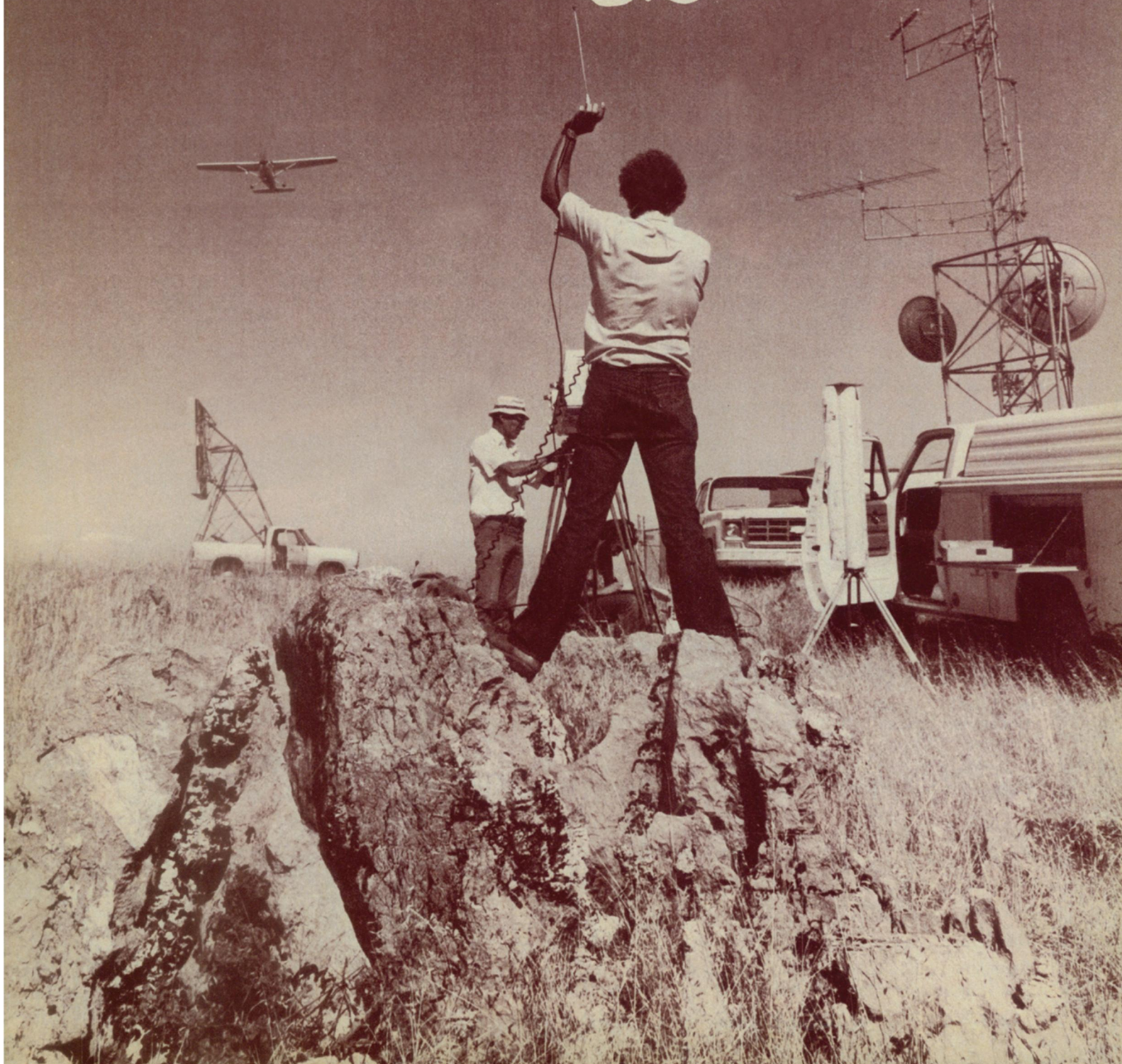


# SCIENCE NEWS

FEBRUARY 3, 1979  
VOL. 115, NO. 5

## Predicting Quakes



# New Dimension in Planetary Astronomy

The most significant technological developments in planetary astronomy since the invention of the telescope are here. Unmanned space probes like the Viking and Voyager series and Project Galileo are opening a new era in sophisticated planetary observation and exploration.

## Planetary Encounters

the future of unmanned spaceflight

by **ROBERT M. POWERS**, science writer and member of the Royal Astronomical Society.

Accompany a flyby and probe mission to Venus, orbit Jupiter, walk on the surface of Mars and distant Titan; discover the intricacies of automated spacecraft that become extensions of man's senses on other worlds; examine up close the technical capabilities and scientific applications of flyby, orbiter, lander, and rover spacecraft; join in the plans for chasing Halley's Comet and other projects in the future of both the United States and Soviet unmanned space programs; learn of the most recent planetary discoveries such as the tenth planet, Chiron, and Pluto's newly discovered satellite Charon; add new dimensions to your knowledge of every planet with up-to-the-minute scientific data.

- The development of comet-chasing spacecraft
- Robot-piloted landers touching down on distant Titan
- How remote-sensing devices can examine the debris from the remains of the early solar nebula and tell us about planetary origins
- Complete astronomical history for every planet in our solar system
- The latest data transmissions from Viking, Venera, and other previous United States and Soviet unmanned space flights
- Mission objectives for upcoming unmanned spacecraft including the new Project Galileo and the benefits to mankind
- The next logical steps for continued unmanned exploration of space

The latest views of planet surfaces, atmospheres, and satellites are all pictured in photographs taken by automated spacecraft. From *Sputnik 1* to the future Voyager series, here is the exciting past, present, and future of unmanned spaceflight.

**PLANETARY ENCOUNTERS**. 296 pages, including 8 pages of color illustrations and more than 120 black-and-white photos and original line drawings. Large format, hardcover \$13.95

Send me \_\_\_\_\_ copies of **PLANETARY ENCOUNTERS, The Future of Unmanned Space Flight** by Robert M. Powers at \$13.95 each, plus 75¢ shipping. SN2/3/79

I enclose \$ \_\_\_\_\_ check or money order (no COD's)  
Charge my  BankAmericard/Visa  Master Charge

Account # \_\_\_\_\_

Expires \_\_\_\_\_ Interbank # \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Signature \_\_\_\_\_

Send this order to: **Stackpole Books**, P.O. Box 1831, Harrisburg, PA 17105 :

