LETTERS

EDITORIAL
Science, Technology, and the Gold Drain

ARTICLES
Magnetic Fields in Interplanetary Space: L. J. Cahill, Jr.

A weak magnetic field pulled out from the sun has considerable influence on interplanetary processes.

Biosynthesis of Alkaloids: E. Leete

New and unexpected routes to the pyridine and piperidine rings have been discovered.

Animal Communication: T. A. Sebeok

A communication network model for languages is applied to signaling behavior in animals.

NEWS AND COMMENT

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Origin and Evolution of Atmospheres and Oceans: P. E. Cloud, Jr.


REPORTS
Coesite Discovered in Tektites: L. S. Walter

Magnetite Oxidation: A Proposed Mechanism: U. Colombo et al.

Disposable Hydrogen Generator: J. H. Brewer and D. L. Allgeier

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COVER
Keiki, a trained Pacific bottlenose porpoise, swims free in the ocean near Oahu, Hawaii. During speed
tests the animal would respond to signals emitted underwater by an
electronic device. See page 1048
[Camera Hawaii, Honolulu]