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

BOOK REVIEWS
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

Complement: Inactivation of Second Component by p-Hydroxymercuribenzoate: M. A. Leon
Hot Shadows of Jupiter: R. L. Wildey 


Cholesterol Biosynthesis: Mevalonate Synthesis Inhibited by Bile Salts: G. M. Fimognari and V. W. Rodwell 


Histoplasma capsulatum from the Liver of a Bat in Colombia: C. J. Marinkelle and E. Grose 

Absence of Taste-Bud Papillae in Familial Dysautonomia: A. Smith, A. Farbman, J. Dancis 

X Chromosome DNA Replication: Developmental Shift from Synchrony to Asynchrony: R. B. Nicklas and R. A. Jaqua 

Tylotrich (Hair) Follicle: Association with a Slowly Adapting Tactile Receptor in the Cat: S. J. Mann and W. E. Straile 


Itch and Vibration: R. Melzack and B. Schecter 

Trained Porpoise Released in the Open Sea: K. S. Norris 

Perception of Stroboscopic Movement: Evidence for Its Innate Basis: I. Rock, E. S. Tauber, D. P. Heller 


MEETINGS 


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]