LETTERS
Cancer and Diet: A. M. Weinberg; D. E. Ingmanson; A. M. Shapiro; J. E. Hunter; S. S. Epstein and J. B. Swartz; B. N. Ames

EDITORIAL
Groundwater Contamination

ARTICLES
Windows on a New Cosmology: G. Lake
Endocytosis: Relation to Capping and Cell Locomotion: M. S. Bretscher
Replication Timing of Genes and Middle Repetitive Sequences: M. A. Goldman et al.

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Briefing: NAS to Explore Expansion of Programs with Soviets; France Invites U.S. Participation on Breeders; Academy Roundtable Seeks Better Research Links; NASA Asks for Review of Space Science
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The Gas Reactor Makes a Comeback
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RESEARCH NEWS
Venusian Geology Coming into Focus
Managing the Inland Sea
CMOS Future for Microelectronic Circuits

BOOK REVIEWS
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Underdevelopment: Test of a Theory: L. G. Thomas; other reviews by P. H. Calkins, J. R. Bartholomew

Designs and Ideals: T. Bender; other reviews by L. S. Swenson, Jr., J. H. Morrow, Jr.

Psychologist’s Memoirs: H. Levin; other review by K. Hufbauer

A Stage in Female Development: R. K. Unger; other reviews by J. M. Horn, J. J. Gallagher

Newton on Optics: G. N. Cantor; other reviews by R. S. Westfall, H. Pycior, L. Stryker, S. G. Kohlstedt

The Fundamentals of Physics: P. Langacker; other reviews by M. Van Dyke, T. B. Greenslade, Jr.

The Status of the Neutral Theory: J. H. Gillespie; other review by T. Uzzell

Ecology Around the World: D. G. Frey; other reviews by P. Harvey, D. M. Power

Biological Structures and Processes: reviews by P. F. A. Maderson, A. Konopka, L. W. Swanson

France in the Stone Age: P. Bogucki; other review by N. Hammond

Books Received

Books Reviewed in Science

REPORTS

Saturn Ring Particles as Dynamic Ephemeral Bodies: D. R. Davis et al.

Holocene Eruptive Activity of El Chichón Volcano, Chiapas, Mexico: R. I. Tilling et al.

Single-Crystal Elastic Properties of the Modified Spinel (Beta) Phase of Magnesium Orthosilicate: H. Sawamoto et al.

A Candidate Magnetic Sense Organ in the Yellowfin Tuna, Thunnus albacares: M. W. Walker et al.

Progressive Accumulation of Toxic Metabolite in a Genetic Leukodystrophy: H. Igisu and K. Suzuki


COVER

Color disks and machine to rotate them. James Clerk Maxwell’s 1849 theory of color was studied with the use of such disks. Appropriate combinations of red, blue, and green gave the various colors as the wheels were spun. The apparatus shown here, from the University of Pavia, was made around 1865, probably in Italy. [From G. L’E. Turner, Nineteenth-Century Scientific Instruments, reviewed on page 731]