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.

NEWS AND COMMENT
Aerospace Experts Challenge ASAT Decision
Pentagon Neglects Satellite Defenses
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
FDA Spars with HHS on Advisory Posts
The Gas Reactor Makes a Comeback
Mosher Case Enters Final Phase

RESEARCH NEWS
Venusian Geology Coming into Focus
Managing the Inland Sea
CMOS Future for Microelectronic Circuits

BOOK REVIEWS
Thoughts on Science Policy: J. M. Ziman; other reviews by W. H. Friedland, J. F. Fries
Underdevelopment: Test of a Theory: L. G. Thomas; other reviews by P. H. Calkins, J. R. Bartholomew 711

Designs and Ideals: T. Bender; other reviews by L. S. Swenson, Jr., J. H. Morrow, Jr. 715

Psychologist’s Memoirs: H. Levin; other review by K. Hufbauer 720

A Stage in Female Development: R. K. Unger; other reviews by J. M. Horn, J. J. Gallagher 722

Newton on Optics: G. N. Cantor; other reviews by R. S. Westfall, H. Pycior, L. Stryker, S. G. Kohlstedt 724

The Fundamentals of Physics: P. Langacker; other review by M. Van Dyke, T. B. Greenslade, Jr. 729

The Status of the Neutral Theory: J. H. Gillespie; other review by T. Uzzell 732

Ecology Around the World: D. G. Frey; other reviews by P. Harvey, D. M. Power 734

Biological Structures and Processes: reviews by P. F. A. Maderson, A. Konopka, L. W. Swanson 737

France in the Stone Age: P. Bogucki; other review by N. Hammond 740

Books Received 743

Books Reviewed in Science 762

REPORTS

Saturn Ring Particles as Dynamic Ephemeral Bodies: D. R. Davis et al. 744

Holocene Eruptive Activity of El Chichón Volcano, Chiapas, Mexico: R. I. Tilling et al. 747

Single-Crystal Elastic Properties of the Modified Spinel (Beta) Phase of Magnesium Orthosilicate: H. Sawamoto et al. 749

A Candidate Magnetic Sense Organ in the Yellowfin Tuna, Thunnus albacares: M. W. Walker et al. 751

Progressive Accumulation of Toxic Metabolite in a Genetic Leukodystrophy: H. Igisu and K. Suzuki 753


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]