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 .......................... 658

EDITORIAL  Groundwater Contamination ........................................ 673

ARTICLES  Windows on a New Cosmology: G. Lake .................. 675
Endocytosis: Relation to Capping and Cell Locomotion: M. S. Bretscher .......... 681
Replication Timing of Genes and Middle Repetitive Sequences: M. A. Goldman et al. .................................................. 686

NEWS AND COMMENT  Aerospace Experts Challenge ASAT Decision............. 693
Pentagon Neglects Satellite Defenses ........................................ 695
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 .......................... 696
FDA Spars with HHS on Advisory Posts .................................. 698
The Gas Reactor Makes a Comeback ...................................... 699
Mosher Case Enters Final Phase ............................................ 701

RESEARCH NEWS  Venetian Geology Coming into Focus ..................... 702
Managing the Inland Sea.......................................................... 703
CMOS Future for Microelectronic Circuits .................................. 705

BOOK REVIEWS  Thoughts on Science Policy: J. M. Ziman; other reviews by W. H. Friedland, J. F. Fries ................................. 708
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 reviews 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 Reviewed in Science .......................... 743

Books Received .......................... 762

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


REPORTS

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]