439 This Week in Science

Editorial
441 A Serious Parlor Game

Letters

News & Comment
443 Research Pinched in First Year of the Gramm-Rudman Law Era ■ NIH Faces $236-Million Budget Cut in FY 1986
445 The Global Flight Over Plant Genes
447 A Plea from Academia
448 Briefing: Study Estimates Higher Risk from Ethylene Oxide Exposure ■ British Committee Rebuked Over Archaeology Congress ■ Internal Audit Scores Contracting by DOD Labs ■ Working Women Still Segregated and Underpaid ■ Comings and Goings

Research News
450 The Slow, Insidious Nature of the HTLV’s
452 New Test Finds “Certified” Primes in Record Time
453 Polynesian’s Litter Gives Clues to Islands’ History

Articles
463 Terrestrial Observations from NOAA Operational Satellites: H. Yates, A. Strong, D. McGinnis, Jr., D. Tarpley

Research Articles
470 The Intervening Sequence RNA of Tetrahymena Is an Enzyme: A. J. Zaug and T. R. Cech
COVER East Amatuli Island, one of the Barren Islands in the northern part of the Gulf of Alaska, is home to several hundred thousand fork-tailed storm petrels that return to the island only at night. Regional water quality can be monitored by collecting storm-petrel regurgitate and analyzing it for the presence or absence of fossil fuel hydrocarbons. See page 373. [P. DeBoersma, Institute for Environmental Studies, University of Washington, Seattle 98195]

Reports

480 What Perturbs the $\gamma$ and $\delta$ Rings of Uranus?: R. G. FRENCH, J. A. KANGAS, J. L. ELLIOT

483 Model for the Intrusion of Batholiths Associated with the Eruption of Large-Volume Ash-Flow Tuffs: J. A. WHITNEY and J. C. STORMER, JR.


488 Indirect Observation by $^{13}$C NMR Spectroscopy of a Novel CO$_2$ Fixation Pathway in Methanogens: J. N. S. EVANS, C. J. TOLMAN, M. F. ROBERTS

491 Genetic Control of Melatonin Synthesis in the Pineal Gland of the Mouse: S. EBIHARA, T. MARX, D. J. HUDSON, M. MENAKER

493 Bacterial Grazing by Planktonic Lake Algae: D. F. BIRD and J. KALFF

495 Diet-Induced Head Allometry Among Foliage-Chewing Insects and Its Importance for Graminivores: E. A. BERNAIS

497 Presence of Nonoxidative Ethanol Metabolism in Human Organs Commonly Damaged by Ethanol Abuse: E. A. LAPOSATA and L. G. LANGE

499 Optical Image Quality and the Cone Mosaic: A. W. SNYDER, T. R. J. BOSSOMAIRE, A. HUGHES

Technical Comments


AAAS Meetings

503 Philadelphia: Where It All Began

Book Reviews

504 Counsels of War, reviewed by G. A. GREB ■ Science versus Practice, C. MEINEL ■ Black Scientists, White Society, and Colorless Science, C. B. MARRETT ■ Prehistory of the Eastern Arctic, W. W. Fitzhugh ■ Books Received