LETTERS
West German Breeder Cost: O. Keck; Investigating Paranormal Claims: M. Truzzi; Cryptology and National Security: C. Blair; Einstein on ESP: J. Ehrenwald; G. B. Kolata

EDITORIAL
How Much More Oil?

ARTICLES
Mars and Earth: Origin and Abundance of Volatiles: E. Anders and T. Owen
Landsat, Computers, and Development Projects: P.-M. Adrien and M. F. Baumgardner

NEWS AND COMMENT
Texas Power Companies Converting from Natural Gas to Coal, Lignite
Briefing: Senate Panel Wants OSTP to Take the Long View; Academics Urged to Join Sun Day Observance; CEQ Nominee Learns Judge Not, Lest Ye Be Judged
Alaska Wilderness: Congress Debates Resources “Lock Up”
Cryptography Meeting Goes Smoothly

RESEARCH NEWS
High-Energy Physics: A Proliferation of Quarks and Leptons
Neutron Scattering: New Look at Biological Molecules

AAAS NEWS
AAAS Seminars Examine National Energy Plan, Indian Resources; NGO’s Review Roles in 1979 U.N. Conference; CSFR to Head Azbel; Annual Meeting Notes: AAAS People: AAAS and AISLE to Aid Maryland Legislature; For the Library; Program in Marine Science for Precollege Handicapped

ANNUAL MEETING
Science and Technology: New Tools, New Dimensions: A. Herschman; Meeting Information; Preliminary Program; Registration and Housing Forms
BOOK REVIEWS

Eugenics and Politics in Britain, 1900–1914, reviewed by R. S. Cowan; Problems in Vertebrate Evolution, R. Estes; Electrical Phenomena at the Biological Membrane Level, J. E. Hall; The Cell Surface in Animal Embryogenesis and Development, R. Marchase .......................... 498

REPORTS

Uranus: The Rings Are Black: W. M. Sinton ............. 503
Radiocarbon Dating Using Electrostatic Accelerators: Negative Ions Provide the Key: C. L. Bennett et al. .......... 508
Unilateral Nephrectomy: Effect on Survival in NZB/NZW Mice: M. M. Beyer et al. .......... 511
Metal Mutagens and Carcinogens Affect RNA Synthesis Rates in a Distinct Manner: D. J. Hoffman and S. K. Niyogi ............ 513
Axon-Sparing Brain Lesioning Technique: The Use of Monosodium-L-Glutamate and Other Amino Acids: E. L. Simson et al. .......... 515
Selective Vocal Learning in a Sparrow: P. Marler and S. Peters .......... 519
Biogenic Amine Synthesis Defect in Dihydropyridine Reductase Deficiency: S. H. Kostow and I. J. Butler .......... 522
Spatial Frequency and the Mediation of Short-Term Visual Storage: G. E. Meyer and W. M. Maguire .......... 524
Corneal Endothelium Damage with Intraocular Lenses: Contact Adhesion Between Surgical Materials and Tissue: H. E. Kaufman et al. .......... 525


COVER
