LETTERS

EDITORIAL
Adjusting to Change.

ARTICLES
The Maunder Minimum: J. A. Eddy
Settlement and Cultural Development at Chalcatzingo: D. C. Grove et al.

NEWS AND COMMENT
Nuclear Navy: Rickover Thwarted Research on Light Weight Reactors
Project Seafarer: Critics Attack National Academy's Review Group
Chemical Carcinogens: Industry Adopts Controversial "Quick" Tests
Nuclear Testing: U.S.-Soviet Treaties Viewed with Doubts and Misgivings

RESEARCH NEWS
Another New Particle: Charmed Quarks Look Better Than Ever.
Water Structure and Ion Binding: A Role in Cell Physiology?

ASSOCIATION AFFAIRS
Annual Meeting, Denver: Call for Contributed Papers: A. Herschman

BOOK REVIEWS
Challenges Past, Challenges Present, reviewed by J. F. Kauffman; Effects of Interferon on Cells, Viruses and the Immune System, G. E. Gifford; Photoperiodism in Plants, R. Satter; Palaeobiology of Angiosperm Origins, J. A. Wolfe; Comet Kohoutek, E. Roemer; Books Received
REPORTS

Denitrification Studies with $^{15}$N-Labeled Nitrate: R. Gersberg et al. ........................................ 1229


Carbon-Nitrogen Cycling Through Microbial Formamide Metabolism: R. C. Thatcher and T. L. Weaver ............ 1234

Xenon-133: Ambient Activity from Nuclear Power Stations: C. O. Kunz and C. J. Paperiello ....................... 1235

Lymphocyte-Induced Angiogenesis in Tumor-Bearing Mice: Y. A. Sidky and R. Auerbach ............................ 1237

Ingestion of Streptococcus mutans Induces Secretory Immunoglobulin A and Caries Immunity: S. M. Michalek et al. .................................................................................................................. 1238

Lekking Behavior in Kafue Lechwe: R. H. Schuster ...................................................................................... 1240

Evaluation of Transcendental Meditation as a Method of Reducing Stress: R. R. Michaels, M. J. Huber, D. S. McCann ................................................................................................................... 1242

Retardation of Autoshaping: Control by Contextual Stimuli: A. Tomie .................................................... 1244

Baboon Infant Produced by Embryo Transfer: D. C. Kraemer, G. T. Moore, M. A. Kramen .......................... 1246

Imprinting to Chemical Cues: The Basis for Home Stream Selection in Salmon: A. T. Scholz et al. ............ 1247

Residual Learning Deficit After Heavy Exposure to Cannabis or Alcohol in Rats: K. A. Fehr, H. Kalant, A. E. LeBlanc ...................................................................................................................... 1249


PRODUCTS AND MATERIALS

Clinical Specimen Blender: Cell Counter; Urine Culture System; Microcomputer System; Carboxylic Acid Analyzer; Portable Infusion System; Survey of Serum Protein Concentrations; Literature ........................................................................................................ 1254

COVER

Danish astronomer Olaus Römer sweeps the sky with a meridian telescope in 1689, in the middle of a 70-year span of anomalous solar behavior. See page 1189. [From Peder Horrebow, Basis Astronomiae, 1735; permission of the Houghton Library, Harvard University, Cambridge, Massachusetts]