LETTERS
Available Thyroid Protection: F. von Hippel; Rodent Repeller Not Recommended: W. Proxmire; Darvon: Effectiveness and Safety: G. D. Sturges; Burt's Missing Ladies: O. Gillie

EDITORIAL
The Quiet Shops of Academe: B. Burke

ARTICLES

Regulation of Gene Expression: Possible Role of Repetitive Sequences: E. H. Davidson and R. J. Britten

NEWS AND COMMENT
Jump in Funding Feeds Research on Nutrition

Briefing: Bureau of Oceans Struck by Fiscal Thunderbolt; BEIR Report on Radiation Hazards Comes Unglued; Hamburg Moves to Harvard; Washington Breeds Candidate (for MIT)

A New and Searching Look at NSF

Paul MacLean and the Triune Brain

RESEARCH NEWS
Petroleum Exploration: Discouragement About the Atlantic Outer Continental Shelf Deepens

BOOK REVIEWS
Particulars of My Life and The Shaping of a Behaviorist, reviewed by R. C. Bolles; Highly Conducting One-Dimensional Solids, J. C. Scott; Tidal Friction and the Earth's Rotation, D. L. Anderson; Comparative Endocrinology of Prolactin, M. Sage; Books Received and Book Order Service

REPORTS
Rings of Uranus: Invisible and Impossible?: T. C. Van Flandern

Chesterton Soil Concretions: Ilmenite and Not Iron-Manganese Cementing Matrix: K. L. White

Efficiency of Convection in Variable Stars and the Sun: B. C. Cogan

Nitrite Promotes Lymphoma Incidence in Rats: P. M. Newberne
N-Formyliminodiacetic Acid, a New Compound from the Reaction of Nitrilotriacetic Acid and Chlorine: R. L. Spanggord and C. A. Tyson

DNA Organization of Methanobacterium thermoautotrophicum: R. M. Mitchell et al.


Nuclear Transcripts of Mouse Heavy Chain Immunoglobulin Genes Contain Only the Expressed Class of C-Region Sequences: K. B. Marcu, U. Schibler, R. P. Perry

Low Urinary Estrogen Glucuronides in Women at Risk for Familial Breast Cancer: J. Fishman et al.

Racial Differences in Blood Pressure Control: A. W. Voors et al.

Lung Maturation in the Fetal Rat: Acceleration by Injection of Fibroblast-Pneumonocyte Factor: B. T. Smith

Neuronal Supersensitivity to Acetylcholine Induced by Kindling in the Rat Hippocampus: J. L. Burchiel, M. S. Duchowny, F. H. Duffy


Membrane Potential Changes During Chemokinesis in Paramecium: J. Van Houten

Experimental Allergic Neuritis Induced by Sensitization with Galactocerebroside: T. Saida et al.

GABA Receptor Control of Parasympathetic Outflow to Heart: Characterization and Brainstem Localization: J. A. DiMicco et al.

Alteration of Cortical Orientation Selectivity: Importance of Asymmetric Input: B. Gordon et al.

The Forebrain Is Not Essential for Sympathoadrenal Hyperglycemic Response to Glucoprivation: R. J. DiRocco and H. J. Grill

Structure of Physiologically Identified X and Y Cells in the Cat’s Lateral Geniculate Nucleus: M. J. Friedlander, C. S. Lin, S. M. Sherman


PRODUCTS AND MATERIALS

Laboratory Freezer; Centrifuge for Blood Components; Data Acquisition System; Blood Chemistry Analysis; Volumetric Collection for Liquid Chromatography; Radiopharmaceutical Analyzer; Spectrometer; Optical Scanner; Literature

COVERAGE

Artist’s conception of a new model for the rings of Uranus. Individual satellites shed gaseous material in their wakes, which refract starlight. Viewed from Uranus’ shadow, the rings might scatter enough sunlight to become visible. See page 1076. [© Sally Benesussen, U.S. Naval Observatory, Washington, D.C.]