LETTERS
Nucleic Acid Sequences: Data Bank: E. Jordan; Cancer Risk Counseling; M. Swift

EDITORIAL
America's Vanishing Lead in Electronics

ARTICLES
Applications of Laser Radiation Pressure: A. Ashkin
Seismic Models of the Root of the Sierra Nevada: L. C. Pakiser and J. N. Brune
Solar Tracking by Plants: J. Ehleringer and I. Forseth

NEWS AND COMMENT
Resource Wars: The Lure of South Africa
Birzeit: The Search for National Identity
Briefing: Will Biocommerce Ravage Biomedicine?: Hiatt Warns of the "Last Epidemic"; Waiting for Reagan
Harvard Marches Up Hill and Down Again
NSF Boosts Engineering, Applied Research
Brailovsky Arrested

RESEARCH NEWS
Voyager I at Saturn
Rings Within Rings Within Rings Within

AAAS NEWS
1980 Election Results; Short Courses at the Toronto Annual Meeting; AAAS Establishes Award for Scientific Freedom and Responsibility; Meeting Notes; Report on the 99th Meeting of the French Association for the Advancement of Science; For the Library
REPORTS

Epileptiform Burst Afterhyperpolarization: Calcium-Dependent Potassium Potential in Hippocampal CA1 Pyramidal Cells: B. E. Alger and R. A. Nicoll

Effects of EGTA on the Calcium-Activated Afterhyperpolarization in Hippocampal CA3 Pyramidal Cells: P. A. Schwartzkroin and C. E. Staafstrom

Insulin Receptors: Differences in Structural Organization on Adipocyte and Liver Plasma Membranes: L. Jarett, J. B. Schweitzer, R. M. Smith


Relation of Mammalian Sperm Chromatin Heterogeneity to Fertility: D. P. Evenson, Z. Darzynkiewicz, M. R. Melamed

High-Affinity [3H]Imipramine Binding in Rat Hypothalamus: Association with Uptake of Serotonin but Not of Norepinephrine: S. Z. Langer et al.

Blood Lead Concentrations in a Remote Himalayan Population: S. Piomelli et al.

Endogenous Substrate for Cyclic AMP-Dependent Protein Kinase in Adrenocortical Polyadenylated Messenger Ribonucleoproteins: R. E. Moore and R. K. Sharma

Curvilinear Motion in the Absence of External Forces: Naïve Beliefs About the Motion of Objects: M. McCloskey, A. Caramazza, B. Green

Neurochemical and Behavioral Evidence for a Selective Presynaptic Dopamine Receptor Agonist: D. B. Goodale et al.

Electrophysiological Correlates of Ethanol-Induced Sedation in Differentially Sensitive Lines of Mice: S. Sorensen et al.

Osmolality and Potassium Ion: Their Roles in Initiation of Sperm Motility in Teleosts: M. Morisawa and K. Suzuki

Antbutterflies: Butterflies That Follow Army Ants to Feed on Antbird Dropings: T. S. Ray and C. C. Andrews

Evolution of Clutch Size in Birds: Adaptive Variation in Relation to Territory Quality: G. Högestedt

Correction of Enzyme Deficiency in Mice by Allogeneic Bone Marrow Transplantation with Total Lymphoid Irradiation: S. Slavin and S. Yatziv

Hormone Binding Alters the Conformation of the Insulin Receptor: P. F. Pich and M. P. Czech

COVER

Fluorescence photomicrograph of spermatozoa obtained from a subfertile bull. Cells were heated and subsequently stained with a metachromatic fluorochrome, acridine orange. The orthochromatic green fluorescence represents AO intercalation into native, nondenatured DNA while red metachromasia reflects stainability of DNA denatured in situ. The proportion of metachromatically stained cells was increased in subfertile sample (about × 2000). See page 1131. [D. P. Evenson et al., Memorial Sloan-Kettering Cancer Center, New York]