LETTERS

Tanker Safety: Vessel Traffic Control?: A. H. Schuyler, Jr.; Cancer and Mental Illness: R. M. Roppel. .................................................. 398

EDITORIAL

The Management of Weather Resources: H. Cleveland. ................................................................. 399

ARTICLES

A Terminal Mesozoic "Greenhouse": Lessons from the Past: D. M. McLean ........................................ 401
Higher Order Structure of Simian Virus 40 Chromatin: U. Müller et al. .............................................. 406
Research Instrument Sharing: C. L. Coulter ....................................................................................... 415

NEWS AND COMMENT

Peter Bourne’s Mistake: A Prescription for Trouble .............................................................................. 421
American-Soviet Relations: The Canceled Computer ............................................................................ 422
Briefing: Post-Apollo Astronauts Train for Shuttle; Detour on the Road to Brave New World; NRC Study Tracks Trends in Doctorates .............................................................. 424
Endangered Species Act Survives Senate Hunters .................................................................................. 426
Efforts to Stop Paraquat Set Back ........................................................................................................ 427

RESEARCH NEWS

Ultrahigh Pressure: New Highs Spur Pursuit of Exotic Goals ............................................................... 429
Holographic Filing: An Industry on the Verge of Birth .......................................................................... 431

AAAS NEWS

Math Called Key to Indian Self-Determination: R. Green; Call for Nominations: 1979 General Election; Science Education for Handicapped Theme of Conference: C. A. Davis; Change in Section H Election Slate; For the Library; 1977 AAAS Summary Financial Statements ............................................................... 433

ANNUAL MEETING

Call for Contributed Papers ................................................................................................................... 436
BOOK REVIEWS
The Essential Tension, reviewed by R. S. Westman; Environmental Aerodynamics, H. A. Panofsky; Endopolyploidy and Polymity in Differentiation and Evolution, B. B. Spear; Books Received

REPORTS
Velocity Anomalies in Dilatant Rock: C. H. Scholz
Flowering Induced on Young Loblolly Pine Grafts by Out-of-Phase Dormancy: M. S. Greenwood
Light-Stimulated Morphogenesis in the Fruiting Myxobacterium Stigmatella aurantiaca: G. T. Qualls, K. Stephens, D. White
Mutant Strains of Rhizobium japonicum with Increased Ability to Fix Nitrogen for Soybean: R. J. Maier and W. J. Brill
Abnormal Auditory Evoked Potentials in Early Infancy Malnutrition: A. B. Barnet et al.
Proteins in a Nonvenomous Defensive Secretion: Biosynthetic Significance: J. R. Aldrich et al.
 Biosynthesis and Accumulation of Formic Acid in the Poison Gland of the Carpenter Ant Camponotus pensylvanicus: A. Hefetz and M. S. Blum
Adherence of Group A Streptococci to Pharyngeal Cells: A Role in the Pathogenesis of Rheumatic Fever: D. S. Selinger et al.
Genomic Masking of Nondefective Recombinant Murine Leukemia Virus in Moloney Virus Stocks: P. J. Fischinger, C. S. Blevins, N. M. Dunlop
Suid Evolution and Correlation of African Hominid Localities: An Alternative Taxonomy: H. B. S. Cooke
Enkephalin-Like Material Elevated in Ventricular Cerebrospinal Fluid of Pain Patients After Analgetic Focal Stimulation: H. Akil et al.
Central Nervous System Dysfunction Due to Lead Exposure: J. A. Valcikas et al.

COVER
Spinal cord cells grown in dissociated cell culture. The yellow fluorescence throughout the central nerve cell represents endogenous neuronal reactivity to antiserum against enkephalin antibody. The intimate apposition of the "opiate peptide" containing neuronal processes and nonreactive cells suggests the possibility of peptide-mediated communication. See page 467. [Joseph Neale et al., Georgetown University, Washington, D.C.]