LETTERS
Academic Freedom: D. Doverspike; Genetic Engineering: D. E. Comings; J. R. Nelson; Hamster Chromosome: S. M. Gollin; Primates and Malaria: C. Amsbury

EDITORIAL
Rain Forests of Amazonia

ARTICLES
"Frozen" Transition States: Pentavalent Carbon et al.: J. C. Martin
Ribonucleotide Reductase—A Radical Enzyme: P. Reichard and A. Ehrenberg
Acid Rain on Acid Soil: A New Perspective: E. C. Krug and C. R. Fink

NEWS AND COMMENT
Yellow Rain Experts Battle Over Corn Mold
CEQ Staggering Under Latest Budget Cut
Delaware Battles Hughes Institute
Critics Dispute India-U.S. Nuclear Trade-off
Briefing: Sun Sets at RCA, Rises at Solarex; Peace at Hand for Nuclear Physics; Oak Ridge Retracts Reprimand of Biologist

RESEARCH NEWS
Space Telescope (II): A Science Institute
Do Ape-Size Legs Mean Ape-Like Gait?
Cell Surgery to Reconnect Nerves

AAAS NEWS
Environmental and Media Fellows at Work; Changes in AAAS Insurance Program Announced; Logan Hosts Joint Division Meeting; Arctic Division to Meet in Yukon; Science Museum Update; Obituaries

BOOK REVIEWS
The Montgolfier Brothers and the Invention of Aviation, 1783–1784, reviewed by S. L. Chapin; Oxygenases and Oxygen Metabolism, D. P. Ballou; Stability of...
REPORTS

Origin of Española Island and the Age of Terrestrial Life on the Galápagos Islands: M. L. Hall.......................................................... 545

Boron in Sillimanite: E. S. Grew and J. R. Hinthorne ............ 547

The Start of Sulfur Oxidation in Continental Environments: About 2.2 × 10^9 Years Ago: K. Hattori, H. R. Krouse, F. A. Campbell........... 549

High Efficiency DNA-Mediated Transformation of Primate Cells: C. Gorman, R. Padmanabhan, B. H. Howard ......................... 551

Expression of the Major Neurofilament Subunit in Chicken Erythrocytes: B. L. Granger and E. Lazarides .......................... 553

Potent Interaction Between Glucocorticoids and Growth Hormone-Release Factor in vivo: W. B. Wehrenberg, A. Baird, N. Ling................. 556


Coronary Artery Spasm Induced in Atherosclerotic Miniature Swine: H. Shimokawa et al........................................ 560

Deformed Whiskers in Mice Infected with Certain Exogenous Murine Leukemia Viruses: W. P. Rowe ........................................ 562

The Immune Response Evokes Changes in Brain Noradrenergic Neurons: H. Besedovsky et al........................................ 564

Thrombin Stimulation of Guanosine 3',5'-Monophosphate Formation in Murine Neuroblastoma Cells (Clone N1E-115): R. M. Snider and E. Richelson........ 566

Coping and Immunosuppression: Inescapable but Not Escapable Shock Suppresses Lymphocyte Proliferation: M. L. Laudenslager et al........................................ 568

Population Density of Tropical Forest Frogs: Relation to Retreat Sites: M. M. Stewart and F. H. Pough........................................ 570

Rate of Synaptic Replacement in Denervated Rat Hippocampus Declines Precipitously from the Juvenile Period to Adulthood: J. R. McWilliams and G. Lynch.................. 572

Sex Change in a Coral-Reef Fish: Dependence of Stimulation and Inhibition on Relative Size: R. M. Ross, G. S. Losey, M. Diamond........ 574

Local Cerebral Blood Flow Increases During Auditory and Emotional Processing in the Conscious Rat: J. E. LeDoux et al................................. 576

Epstein-Barr Virus: Inhibition of Replication by Three New Drugs: J.-C. Lin et al........................................ 578

COVER

Sulfurane dioxide anion, a "frozen transition state" for nucleophilic attack at sulfonil sulfur. The x-ray crystallographic structure is shown in computer-generated drawings produced by a version of the SCHAKAL program. See page 509. [Structure obtained by C. W. Perkins, S. E. Wilson, and J. C. Martin (University of Illinois, Urbana); program of E. Keller and A. J. Arduengo III (University of Illinois, Urbana)]