LETTERS

EDITORIAL
United States-Soviet Scientific Exchanges: V. F. Weisskopf and R. R. Wilson ........................................... 977

ARTICLES
Solar Wind Control of the Earth's Electric Field: R. Markson and M. Muir .......................................................... 979
Biopolyester Membranes of Plants: Cutin and Suberin: P. E. Kolattukudy ......................................................... 990
Contribution of the Ocean Sector to the United States Economy: G. Pontecorvo et al. ........................................ 1000

NEWS AND COMMENT
Congress Challenges MX Basing Plan .................................................. 1007
Roll with Coal ............................................................................ 1008
Gus Speth, Planning the "Conserver Society" ........................................ 1009
Bern Dibner: Science Bibliophile .................................................. 1012
Briefing: NRC Skirts Safety Issues in Export Approval; CIA Charter Proposals Die in Congress; Proposals to Study Veterans Criticized .................................................. 1014
Nerve Gas in Afghanistan? .......................................................... 1016
Experts Endorse Biomass Energy .................................................. 1018

RESEARCH NEWS
New Ways to Make Microcircuits Smaller ........................................ 1019

BOOK REVIEWS
Managerial Hierarchies, reviewed by L. Galambos; The Triumph of Evolution, S. Coben; La Matière Mal Condensée, R. G. Palmer; Relativistic Particle Physics, C. Quigg; Books Received .................................................. 1023
REPORTS

Acid Precipitation and Sulfate Deposition in Florida: P. L. Brezonik, E. S. Edgerton, C. D. Hendry .......... 10


Aryl Hydrocarbon Hydroxylase Is Inhibited by Antibody to Rat Liver Cytochrome P-450: K. Robie-Suh et al. .......... 10

Insertion of a New Gene of Viral Origin into Bone Marrow Cells of Mice: K. E. Mercola et al. .......... 10

Synthesis of Human Plasminogen by the Liver: D. Raum et al. .......... 10


Regional Assignment of Genes for Human Esterase D and Retinoblastoma to Chromosome Band 13q14: R. S. Sparkes et al. .......... 10

Pro-Adrenocorticotropic/Endorphin-Derived Peptides: Coordinate Action on Adrenal Steroidogenesis: R. C. Pederson, A. C. Brownie, N. Ling .......... 10


Simian Virus 40 Crystals: E. E. Lattman .......... 10

Interaction of Laminae of the Cingulate Cortex with the Anteroventral Thalamus During Behavioral Learning: M. Gabriel, K. Foster, E. Orona .......... 10


Picroroxic Convolusions Involve Nonsynaptic Mechanisms on Cultured Mouse Spinal Neurons: J. L. Barker and J. F. MacDonald .......... 10

Choline Acetyltransferase-Containing Neurons in Rodent Brain Demonstrated by Immunohistochemistry: H. Kimura et al. .......... 10


PRODUCTS AND MATERIALS

Vertical Slab Electrophoresis; Stirrer; Thermogravimetric Analysis; Universal Counter; Ion Gun; Spectrometers; Microhardness Tester; Literature .......... 10

COVER

Turret in thunderstorm top (taken from a U-2 airplane at 14.6 kilometers over Kansas). Such turrets can penetrate or 2 kilometers above the flat cloudbase ( anvils) which form near the tropopause. The electric currents between thunderstorms and the ionosphere which maintain the earth's fair-weather electric field may flow predominantly over such turrets. See page 979. [D. Fitzgerald, Air Force Geophysics Laboratory, Hanscom Field, Bedford, Massachusetts]