LETTERS

EDITORIAL
Domestic Exploration for Materials.

ARTICLES
An Unusual Lightning Flash at Kennedy Space Center: M. A. Uman et al.
Neural Organization and Evolution of Thermal Regulation in Mammals: E. Satinoff
Nuclear Waste: Increasing Scale and Sociopolitical Impacts: T. R. LaPorte

NEWS AND COMMENT
Resources for the Future, Will It Merge with Brookings?
Briefing: House’s Mr. Health Seeks New Career; Flexible Thought Gets Tentative Blessing; Speculative Thought Gets Definite Blessing
Assumptions About R & D’s Link to Economic Growth Questioned
Science in Europe/British May Use Telephones, TV’s, to Tap Data Bank
Animal Rights Advocate Urges New Deal

RESEARCH NEWS
Capturing Sunlight: A Revolution in Collector Design

AAAS NEWS
Hans Nussbaum, AAAS Business Manager, Retiring After 32 Years: J. Walsh; NSF Chautauqua-Type Short Courses; Twenty Media Interns in 1978 Program; Fourth Candidate for Board of Directors Election; Kirtley F. Mather, 1888–1978
BOOK REVIEWS

The Work Ethic in Industrial America, 1850–1920, reviewed by C. N. Degler; Comets, Asteroids, Meteorites, T. Owen; Recognition of Complex Acoustic Signals, J. L. Gould; Books Received ........................................... 42

REPORTS

Copper Porphyrins in Deep-Sea Sediments: A Possible Indicator of Oxidized Terrestrial Organic Matter: S. E. Palmer and E. W. Baker .................. 49

Noble Gases in the Murchison Meteorite: Possible Relics of s-Process Nucleosynthesis: B. Srinivasan and E. Anders ................................. 51

Seismic Amplitude Measurements Suggest Foreshocks Have Different Focal Mechanisms than Aftershocks: A. Lindh, G. Fuis, C. Mantis .......... 56

Daylight Time-Resolved Photographs of Lightning: R. E. Orville, G. G. Lala, V. P. Idone ................................................................. 59

β-Adrenergic Receptors in Aged Rat Brain: Reduced Number and Capacity of Pineal Gland to Develop Supersensitivity: L. H. Greenberg and B. Weiss .................................................. 61

Attraction by Repellents: An Error in Sensory Information Processing by Bacterial Mutants: M. A. Muskavitch et al ................................. 63

6-Mercaptopurine Treatment of Pregnant Mice: Effects on Second and Third Generations: T. J. Reimers and P. M. Sluss .................................. 65


Histamine H1 Receptor-Mediated Guanosine 3',5'-Monophosphate Formation by Cultured Mouse Neuroblastoma Cells: E. Richelson ..................... 69

Enhancement of Conditioned Arterial Pressure Responses in Cats After Brainstem Lesions: M. A. Nathan et al ............................................. 71

Effects of Naloxone on Schizophrenia: Reduction in Hallucinations in a Subpopulation of Subjects: S. J. Watson et al ..................................... 73

Induction of Zugunruhe by Photostimulation of Encephalic Receptors in White-Crowned Sparrows: K. Yokoyama and D. S. Farner .................. 76

Anxiety Change Through Electroencephalographic Alpha Feedback Seen Only in High Anxiety Subjects: J. V. Hardt and J. Kamiya ................. 79