LETTERS

EDITORIAL
Spain—Another Japan? 449

ARTICLES
Use of Lasers to Control Selective Chemical Reactions: V. S. Letokhov 451
Chemical Structures of Pancreatic Ribonuclease and Deoxyribonuclease: S. Moore and W. H. Stein 458
Technology Assessment and Social Control: M. S. Baram 465

NEWS AND COMMENT
Agriculture: Signs of Dead Wood in Forestry and Environmental Research 474
New Energy Message Downplays R & D 475
British Science Policy: After the "Great Debate" 477
NASA Seeks New Funds to Replace Crashed Research Plane 478

RESEARCH NEWS
Restriction Enzymes: New Tools for Studying DNA 482
Holography: Beginnings of a New Art Form or at Least an Advertising Bonanza 484

BOOK REVIEWS
The Polaris System Development, reviewed by J. D. Steinbrunner; Hepatitis-Associated Antigen and Viruses, R. W. McCollum; Venezuelan Encephalitis, J. P. Fox; The Biochemical Genetics of Man, L. E. Rosenberg; Evolutionary Biology, L. Van Valen 486

REPORTS
Iodine-129/Xenon-129 Age of Magnetite from the Orgueil Meteorite: G. F. Herzog et al. 487
Glaciers and Nutrients in Arctic Seas: S. Apollonio ................................................. 491

Volcanic Production Rates: Comparison of Oceanic Ridges, Islands, and the Columbia Plateau Basalts: A. K. Bakst and N. D. Watkins ............................................. 493

Detritus in Lake Tahoe: Structural Modification by Attached Microflora: H. W. Paepl .......................................................... 496

Circadian Rhythms in Neurospora: Spatial Differences in Pyridine Nucleotide Levels: S. Brody and S. Harris .................................................. 498

Leukemia Virus Activation during Homograft Rejection: M. S. Hirsch et al. ............... 500

Arrested Development in Human Hookworm Infections: An Adaptation to a Seasonally Unfavorable External Environment: G. A. Schad et al. .................. 502

Acanthaster: Effect on Coral Reef in Panama: P. W. Glynn ........................................ 504


Neuronal Locus Specificity: Altered Pattern of Spatial Deployment in Fused Fragments of Embryonic Xenopus Eyes: R. K. Hunt and M. Jacobson ................. 509

Brain Aluminum Distribution in Alzheimer's Disease and Experimental Neurofibrillary Degeneration: D. R. Crapper, S. S. Krishnan, A. J. Dalton ..................... 511

Heart Activity and High-Pressure Circulation in Cirripedia: H. J. Fynh, J. A. Petersen, K. Johansen ..................................................... 513


Ecology and Deterioration of the Environment: N. L. Richards; Tourist Card Information and Travel Regulations for Mexico City ........................................ 518

Vertical air photograph of the northern end of South Cape Fiord, Ellesmere Island, Northwest Territories, showing three glaciers entering the fiord. See page 493. [Photo No. A-16722-10, courtesy National Air Photo Library, Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, Canada]