LETTERS

Wind Generators and the Oil Reserve: M. F. Merriam; Biological "Strategies": G. Louw; Carcinogen Report to the Public?: K. A. Devor; The Piltdown Hoax: Piltdown 2: S. L. Washburn; The Humanities and Science: J. F. Schaefer, Jr.; J. Woodcock; Reflections: P. Helmers

EDITORIAL

FITC: Something New or More of the Same? B. C. Denny

ARTICLES

Peopling and Early Cultures of the Pacific Northwest: C. E. Borden
Thyroid Hormone Action at the Cellular Level: J. H. Oppenheimer

NEWS AND COMMENT

Visiting Experts Find the "Mystery Disease" of Naples Is a Common Virus.
Does High School Grade Inflation Mask a More Alarming Trend?
Congressman Eckhardt, Legislative Craftsman
Pain, Dying, and the Health Care System
Controversy over Study of Diabetes Drugs Continues for Nearly a Decade

RESEARCH NEWS

Biological Applications for Voltage Sensitive Dyes

AAAS NEWS

1978 AAAS Awards Presented at Houston Meeting; First of AAAS Regional Energy Seminars Held in Seattle; Grants Offered for Foreign Students to Attend R & D Colloquium; Report on 1978 French Association Meeting; Nominations of AAAS Fellows Invited; For the Library; CSFR Committee to Meet

BOOK REVIEWS

Induced Innovation, reviewed by M. I. Kamien; Terrestrial Rare Gases, J. H. Reynolds; The Ecology of Fossils, T. J. M. Schopf; Drugs and the Inheritance of Behavior, G. P. Horowitz; Books Received and Book Order Service
Fixation of Nitrogen in the Prebiotic Atmosphere: Y. L. Yung and M. B. McElroy ................................................. 1002

Observations of Hydrogen at Room Temperature (25°C) and High Pressure (to 500 Kilobars): H. K. Mao and P. M. Bell .................. 1004

Mars Gravity: High-Resolution Results from Viking Orbiter 2: W. L. Sjogren .......................................................... 1006

The Estuarine Surface Microlayer and Trace Metal Cycling in a Salt Marsh: R. E. Pellenbarg and T. M. Church .................. 1010

β-Galactosidase and Selective Neutrality: R. Holmquist .................. 1012


Regional Localization of the Gene for Human Phosphoribosylpyrophosphate Synthetase on the X Chromosome: M. A. Becker et al. ........ 1016

Methylation of Mouse Liver DNA Studied by Means of the Restriction Enzymes Msp I and Hpa II: J. Singer, J. Roberts-Emes, A. D. Riggs .......... 1019


Capture Enhancement in a Carnivorous Aquatic Plant: Function of Antennae and Bristles in Urticularia vulgaris: D. G. Meyers and J. R. Strickler ............ 1022

Radiation from Tritiated Thymidine Perturbs the Cell Cycle Progression of Stimulated Lymphocytes: A. Pollack, C. B. Bagwell, G. L. Irvin, III ............ 1025

Retinoblastoma with 13q- Chromosomal Deletion Associated with Maternal Paracentric Inversion of 13q: R. S. Sparkes et al. ........ 1027


Spectrophotometer; Spectrofluorometer; Electrophoresis Chamber; Digital Electrometer; Laboratory Freezer; Reversed-Phase Thin-Layer Plates; Microbial Plating and Counting; Computer Interface for Mass Spectrometers; Literature .............. 1032

COVER

High water banding on a standard boat in a Delaware salt marsh resulting from interception of the estuarine surface microlayer and resulting fouling. See page 1010. [Dan Murphy, College of Marine Studies, University of Delaware, Newark]