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
## REPORTS

- **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
- **Binding of cis- and trans-Dichlorodiammineplatinum (II) to DNA: Evidence for Unwinding and Shortening of the Double Helix:** G. L. Cohen et al. ..................... 1014
- **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 EnzymesMsp I and Hpa II:** J. Singer, J. Roberts-Ems, A. D. Riggs .................. 1019
- **Feathers of Archaeopteryx: Asymmetric Vanes Indicate Aerodynamic Function:** A. Feduccia and H. B. Tordoff .................................. 1021
- **Capture Enhancement in a Carnivorous Aquatic Plant: Function of Antennae and Bristles in Utricularia 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
- **On the Nature of Human Interlimb Coordination:** J. A. S. Kelso, D. L. Southard, D. Goodman .................................................. 1029

## PRODUCTS AND MATERIALS

- 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]