LETTERS
Biomedical Research: Ethics and Rights: F. Hecht; L. C. Allen; Limits to Understanding?: E. A. Smith; C. D. Leake; T. H. Nilsson; J. W. Gyr; R. Barasch; G. S. Stent .......................... 502

EDITORIAL
Ethics and the Wrong Answer: E. A. Kabat .................................................. 505

ARTICLES
Aleuts: Ecosystem, Holocene History, and Siberian Origin: W. S. Laughlin ............. 507
Morphogenesis and Developmental Interactions in Myxobacteria:
J. W. Wireman and M. Dworkin ....................................................... 516
Distributive Computer Networking: Making It Work on a Regional Basis:
R. W. Cornew and P. M. Morse ......................................................... 523

NEWS AND COMMENT
White House Science Adviser: House Committee Rewrites Its Bill ....................... 531
PSAC Lives! .................................................................................. 532
A Conversation with Frank Zarb ........................................................................ 533
NSF: Defense of Closed Peer Review System Not Persuasive .......................... 535
Briefing: Navy Mississippi Move Approved .................................................. 536
Institute of Medicine Names New Members .................................................. 537

RESEARCH NEWS
Solar Energy Reconsidered: ERDA Sees Bright Future .................................. 538
Microelectronics: Lithographic Technologies Progress ................................. 540
BOOK REVIEWS

All in Our Time, reviewed by L. W. M. Libby; Hydrogen Bonding, A. J. Hopfinger; The Life and Contributions of Walter Bradford Cannon, 1871–1945, C. L. Prosser; EPR of Free Radicals in Radiation Chemistry, L. Kevan; Genetics of Flowering Plants, O. T. Solbrig

REPORTS

Nitrogen Dioxide in the Stratosphere and Troposphere Measured by Ground-Based Absorption Spectroscopy: J. F. Naxon

Origin of Life: Clues from Relations Between Chemical Compositions of Living Organisms and Natural Environments: A. Banin and J. Navot

Exposure to Asbestos in the Use of Consumer Spackling, Patching, and Taping Compounds: A. N. Rohl et al.

Water Wells as Possible Indicators of Tectonic Strain: H. Wakita

Oxygen and Carbon Isotopes from Calcareous Nannofossils as Paleoceanographic Indicators: S. V. Margolis et al.

Hybridization Analysis of Histone Messenger RNA: Association with Polyribosomes During the Cell Cycle: J. L. Stein et al.

Anals of Cyclic Adenosine Monophosphate: Correlation of Inhibition of Purkinje Neurons with Protein Kinase Activation: G. R. Siggins and S. J. Henriksen


Photosynthese and Nitrogen Requirements for Seed Production by Various Crops: T. R. Sinclair and C. T. de Wit

Rapid Food-Aversion Learning by a Terrestrial Mollusk: A. Gelperin

Sea Anemone with Zooxanthellae: Simultaneous Contraction and Expansion in Response to Changing Light Intensity: W. B. Gladfelter


COVER

Anangula core with articulated platform tablets illustrating their removal by horizontal blows to prepare the platform before striking blades off vertically. The blades were used for tools, points, and knives (actual size about 5 meters across). See page 507. [W. S. Laughlin, University of Connecticut, Storrs]
Editor's Summary