LETTERS
Microbial Containment: DeWitt Stetten, Jr.; Grants: The Time Factor: H. Waters; Lionel F. Jaffe; H. G. Langford; Szent-Györgi's Research: B. Lipinski; T. M. Vogt; Cancer Incidence: R. Wilson

EDITORIAL
Dependence on Imports of Oil

ARTICLES
Tree Dispersion, Abundance, and Diversity in a Tropical Dry Forest: S. P. Hubbell.
The Mutual Embrace of Electricity and Magnetism: M. N. Wise

NEWS AND COMMENT
Henry Waxman Still Faces an Uphill Battle.

Briefing: Nuclear Reactors and Eastern Earthquakes; Interagency Group Cautious on Nuclear Waste Disposal; Possible Postponement for Troublesome Ethics Law

H-Bomb Issue Hits Where It Hurts

Dispute over Cancer Risk Quantification

RESEARCH NEWS
The 1979 Pittsburgh Conference: A Special Instrument Report

Instrument Industry, Users in State of Flux

Toxicology: New Laws Mean New Instruments

HPLC: The New King of Analytical Chemistry?

Instrument Highlights: Three-Dimensional Fluorescence Spectroscopy; New Tools for Mass Spectrometry
BOOK REVIEWS

Biogeography and Adaptation, reviewed by D. S. Woodruff; Amino Acids as Chemical Transmitters, K. Krnjević; Books Received. .......................... 1333

REPORTS

Paleocurrent Indicators in Deep-Sea Sediment: B. B. Ellwood and M. T. Ledbetter .................................................. 1335

Geologic Migration Potentials of Technetium-99 and Neptunium-237: E. A. Bondietti and C. W. Francis ................................. 1337

Variable Porosity in Siliceous Skeletons: Determination and Importance: D. C. Hurd et al. ............................................. 1340

Distribution of Transmembrane Polypeptides in Freeze Fracture: H. H. Edwards, T. J. Mueller, M. Morrison .......................... 1343

Amino Acid Sequence Homology Between Histone H5 and Murine Leukemia Virus Phosphoprotein p12: L. E. Henderson, R. V. Gilden, S. Oroszlan . 1346

Control of Oscillations in Hematopoiesis: N. D. Kazarinoff and P. van den Driessche .......................... 1348


Membrane Surface Potential Changes May Alter Drug Interactions: An Example, Acetylcholine and Curare: W. G. Van der Kloot and I. Cohen ........................ 1351


Magnetite in Freshwater Magnetotactic Bacteria: R. B. Frankel, R. P. Blakemore, R. S. Wolfe ........................................ 1355


A Brain Event Related to the Making of a Sensory Discrimination: W. Ritter et al. .................................................. 1358

Smooth Pursuit Eye Movements: Is Perceived Motion Necessary?: A. Mack, R. Fendrich, J. Pleune ........................................ 1361

Technical Comments: The Dodo and the Tambahacque Tree: A. W. Owadally; S. A. Temple; Developmental Dyslexia: Research Methods and Inferences: K. Gross and S. Rothenberg; S. F. Witelson ................................. 1363

COVER

Tropical deciduous forest tree, Cochlospermum vitifolium (Cochlospermaceae), flowering in leafless condition in the dry season (Guanaacaste Province, Costa Rica). See page 1299. [Stephen P. Hubbell, University of Iowa, Iowa City].