LETTERS

Potassium Iodide Policy: F. von Hippel; S. Wolfe and C. LaCheen; Oil Consumption: T. M. Besmann; The LEP Experiment: B. Richter

EDITORS

Constraints on Surface Science Research: J. M. White

ARTICLES

Banded Corals: Changes in Oceanic Carbon-14 During the Little Ice Age: E. M. Druffel

Theory and Observation in Cultural Transmission: L. L. Cavalli-Sforza et al.

Rethinking Science Policy: F. Press

NEWS AND COMMENT

Heart Study Produces a Surprise Result

Can the Administration Sell Reprocessing?

The Academy Under Frank Press

Briefing: Martin Cline Loses Appeal on NIH Grant; Yale Announces Plan to Handle Charges of Fraud; Science Council Previews Report on Federal Labs; Centaur Wars (Continued)

RESEARCH NEWS

Cell Biology Yields Clues to Lung Cancer

Atomic Beams Probe Surface Vibrations

Extinction Leaves Its Mark on Ecology

BOOK REVIEWS

Climatic Geomorphology, reviewed by V. R. Baker; Westward in Eden and The Politics of Wilderness Preservation, M. Sherwood; The Collected
Letters of Colin MacLarin, T. L. Hankins: Biology of Spiders, B. D. Opell; Books Received............................ 44

REPORTS

Paleodictyon: The Traces of Infaunal Xenophyophores?: D. D. Swinbanks ........ 47
Crystal Site Location of Iron and Trace Elements in a Magnesium-Iron Olivine by a New Crystallographic Technique: J. Tafto and J. C. H. Speice ............ 49
Evidence of High Natural Radiation Doses in Certain Mid-Water Oceanic Organisms: R. D. Cherry and M. Heyraud ....................... 54
Modulation of Striatal Dopaminergic Function by Local Injection of 5'-N-Ethylcarboxamide Adenosine: R. D. Green, H. K. Proudfit, S.-M. H. Yeung ............................................ 58
Relation of Soil Water Movement and Sulfide Concentration to Spartina alterniflora Production in a Georgia Salt Marsh: G. M. King et al. ................................................. 61
Patterns of Human Local Cerebral Glucose Metabolism During Epileptic Seizures: J. Engel, Jr., D. E. Kuhl, M. E. Phelps ................... 64
Development of Mouse Embryos in vitro: Preimplantation to the Limb Bud Stage: L. T. Chen and Y. C. Hsu ......................... 66
Interoceanic Differences in the Reproduction of Coral-Reef Fishes: R. E. Thresher .............................................. 70
Colony Defense by Africanized and European Honey Bees: A. M. Collins et al. .................................................. 72
Occlusal Variation Related to Soft Diet in a Nonhuman Primate: R. S. Corruccini and R. M. Beecher .......................... 74
Associative Learning in Egglaying Site Selection by Apple Maggot Flies: R. J. Prokopy et al. ........................................ 76

MASSEY WYER SHEILA E. WIDNALL HARriet ZUCKERMAN WILLIAM T. GOLDEN TREASURER WILLIAM D. CAREY EXECUTIVE OFFICER

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

ANNUAL MEETING 1976

SOUTHWESTERN COMMISSION ON HUMAN ORIGINS

COlLABORATIVE PROJECTS

ARCHAEOLOGICAL RESEARCH CENTER

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE PROCEEDINGS

Cloud of Laboratory Waste (Type SRL-131) during Exposure to Water Vapor. Such hydration reactions can be used to age glass, thereby simulating conditions in a waste repository. Results also add insight to the age dating of natural artifacts (about x750). See page 51. [J. K. Bates and J. Thallemer, Chemical Engineering Division, Argonne National Laboratory, Argonne, Illinois 60439]