LETTERS

EDITORIAL
Federal Reorganization: Science and Technology: J. Schmandt

ARTICLES
Fish Culture: Problems and Prospects: A. H. Weatherley and B. M. G. Cogger
A Strategy for the Chemotherapy of Infectious Disease: S. S. Cohen
Prices of Physics and Chemistry Journals: F. F. Clasquin and J. B. Cohen

NEWS AND COMMENT
Computer Encryption and the National Security Agency Connection
New York Blackout: Weak Links Tie Con Ed to Neighboring Utilities
Executive Office Reorganization: OSTP and CEQ Are Still In

RESEARCH NEWS
Photovoltaics: The Semiconductor Revolution Comes to Solar
A National Facility for Making Submicron Structures

BOOK REVIEWS
Structure and Evolution of Close Binary Systems, reviewed by R. P. Kraft; The Generation of Antibody Diversity, R. F. Doolittle; The Measures of Man, C. E. Oxnard; The Biology of the Sticklebacks, M. A. Bell

REPORTS
Dihydrofolate Reductase: X-ray Structure of the Binary Complex with Methotrexate: D. A. Matthews et al.
Possible Surface Reactions on Mars: Implications for Viking Biology Results: C. Ponnamperuma et al.
Shock-Produced Olivine Glass: First Observation: R. Jeanloz et al.
Primary Bioassay of Human Tumor Stem Cells: A. W. Hamburger and S. E. Salmon

Harvesting Natural Populations in a Randomly Fluctuating Environment:
J. R. Beddington and R. M. May

Pesticide Uptake into Membranes Measured by Fluorescence Quenching: G. Omann and J. R. Lakowicz

L-Dopa: Selective Toxicity for Melanoma Cells in vitro: M. M. Wick, L. Byers, E. Fret, III


Erythrocyte Carbonic Anhydrase I: Inherited Deficiency in Humans: A. G. Kendall and R. E. Tashian

Calcium-Dependent Depression of a Late Outward Current in Snail Neurons:
R. Eckert and H. D. Lux

Inhibition of a Lymphocyte Membrane Enzyme by Δ9-Tetrahydrocannabinol in vitro:
J. H. Greenberg, M. E. Saunders, A. Melloni

Temporal Control of Urate Oxidase Activity in Drosophila: Evidence of an Autonomous Timer in Malpighian Tubes: T. B. Friedman and D. H. Johnson

Compressional and Surface Waves in Sand: Used by Desert Scorpions to Locate Prey: P. H. Brownell

Childhood IQ's as Predictors of Adult Educational and Occupational Status: R. B. McCall

Long-Term Effects of an Oil Spill on Populations of the Salt-Marsh Crab Uca pugnax: C. T. Krebs and K. A. Burns

Ovarian Dynamics in Heliconine Butterflies: Programmed Senescence versus Eternal Youth: H. Dunlap-Pianka, C. L. Boggs, L. E. Gilbert

Bag Cell Control of Egg Laying in Freely Behaving Aplysia: H. M. Pinsker and F. E. Dudek

Motion Sickness: An Evolutionary Hypothesis: M. Treisman

Refractoriness in Female Lizard Reproduction: A Probable Circannual Clock:
H. S. Cuellar and O. Cuellar

Chemical Basis for Feeding Adaptation of Pine Sawflies Neodiprion rugifrons and Neodiprion swainei: T. Ikeda, F. Matsumura, D. M. Benjamin

Visual Sensitivity: Significant Within-Species Variations in a Nonhuman Primate:
G. H. Jacobs

COVER

Nocturnal sand-dwelling scorpion (Paruroctonus mesaensis) exhumes burrowing cockroaches it locates by sensing compressional and surface waves generated by the prey's movements in sand. Photograph was taken under ultraviolet light at night. See page 479. [P. Brownell, D. McFarland, and R. Farley, University of California at Riverside]