LETTERS

Mouse Pox Threat: G. D. Wallace; Radioactive Biomedical Waste: R. E. Cunningham; Scientific Spoofs: P. Woolf

EDITORIAL

It Is People Who Use Energy: K. Davis

ARTICLES

The Great Tumaco, Colombia Earthquake of 12 December 1979: D. G. Herd et al.
ACID LAKES FROM NATURAL AND ANTHROPGENIC CAUSES: R. Patrick, V. P. Binetti, S. G. Halterman
TRANSPORT OF ENERGY IN MUSCLE: THE PHOSPHORYLCREATINE SHUTTLE: S. P. Bessman and P. J. Geiger
THE FRAMING OF DECISIONS AND THE PSYCHOLOGY OF CHOICE: A. Tversky and D. Kahneman

NEWS AND COMMENT

Carter Transmits an Interim Budget
Biomedical Budget: A Slight Boost
Utilities Lose Power on Wall Street

BRIEFING: CARTER TEAM DEPARTS WITH WORDS OF WARNING; BY FLOOD, IF NOT BY FIRE, SAYS CEQ; EPA TO INVESTIGATE TREE SMOG

Priority War: Discord in Pursuit of Glory

RESEARCH NEWS

SICKLE CELL (II): MANY AGENTS NEAR TRIALS

Massive Neutrinos: Masters of the Universe?

BOOK REVIEWS

Seeds of Famine, reviewed by J. Swift; Cardiovascular Risk Factors in Children, D. R. Labarthe; Aspects of Vertebrate History, K. Padian; Ninth Texas Symposium on Relativistic Astrophysics, G. Lake; Books Received
REPORTS

Early Proterozoic Microfossils and Penecontemporaneous Quartz Cementation in the Sokoman Iron Formation, Canada: A. H. Knoll and B. Simonson .................................................. 478

Effects of Trace Gases and Water Vapor on the Diffusion Coefficient of Polonium-218: G. Frey, P. K. Hopke, J. J. Stukel .......................................................... 480

Arsenic Accumulation in Great Barrier Reef Invertebrates: A. A. Benson and R. E. Summons .......................................................... 482

Phenytoin-Induced Teratogenesis: A Mouse Model: R. H. Finnell .......................................................... 483

Potassium Chloride versus Voltage Clamp Contractures in Ventricular Muscle: M. Morad, S. Reeck, M. Rao .......................................................... 485

Therapy of Mouse Lymphoma with Monoclonal Antibodies to Glycolipid: Selection of Low Antigenic Variants in vivo: W. W. Young, Jr., and S. Hakomori .......................................................... 487


Nonenzymatic Browning in vivo: Possible Process for Aging of Long-Lived Proteins: V. M. Monnier and A. Cerami .......................................................... 491


Myosin Phosphorylation and the Cross-Bridge Cycle in Arterial Smooth Muscle: P. F. Dillon et al. .......................................................... 495

Chemical Defense Mechanisms on the Great Barrier Reef, Australia: G. J. Bakus .......................................................... 497

Extinctions and Introductions in the New Zealand Avifauna: Cause and Effect?: J. M. Diamond and C. R. Veitch .......................................................... 499


Suckling Infant Rats Learn a Preference for a Novel Olfactory Stimulus Paired with Milk Delivery: S. C. Brake .......................................................... 506

Difference in Brain Densities Between Chronic Alcoholic and Normal Control Patients: C. J. Golden et al. .......................................................... 508

Competition in Desert Rodents: An Experiment with Semipermeable Exclosures: J. C. Munger and J. H. Brown .......................................................... 510

COVER

San Juan, Colombia, a small Pacific Coast village about 100 kilometers north of the Ecuadorian border, was nearly destroyed by a magnitude 8 earthquake that struck southwest Colombia on 12 December 1979. The coastline tectonically subsided nearly 1.6 meters during the earthquake, only 15 minutes before a 2.2-meter high tsunami swept inland. The tsunami overtopped the barrier island on which the village stood. Now inundated at high tide, the village has been abandoned. See page 441. [Darrell G. Herd, U.S. Geological Survey, Menlo Park, California]