LETTERS
An Alternative Case for Sociobiology: S. T. Emlen; Plutonium and Christian Ethics: D. J. Rose; R. Roy; P. M. Boffey; Nuclear Power Decisions: A. Hobson; J. Stephens

EDITORIAL
Basic Research and Congress

ARTICLES
Solar Structure and Terrestrial Weather: J. M. Wilcox
Colligative Properties of a Solution: H. T. Hammel
Early Man at Holly Oak, Delaware: J. C. Kraft and R. A. Thomas

NEWS AND COMMENT
Biomedical Panel: Report Says The Enterprise Is Basically Sound
Agricultural Research: Committee Approves Big Boost
House Appropriations Subcommittee Cuts $50 Million Plus from Basic Research Section of NSF Funding Bill
Scientists' Rights: Academy Adopts “Affirmation of Freedom”

RESEARCH NEWS
Presolar Grains: Isotopic Clues to Solar System Origin
Chemotherapy: Renewed Interest in Platinum Compounds

BOOK REVIEWS
Probability, Statistics and Time, reviewed by G. S. Watson; The Enduring Effects of Education, S. B. Withey; Infectious Multiple Drug Resistance, D. R. Helinski; Small Mammals, M. L. Rosenzweig; Complex Adaptations in Evolving Populations, D. B. Wake; Tidal Deposits, T. J. M. Schope; Books Received

743 745 748 756 763 764 767 772 774 776
REPORTS

Paleogene Terrestrial Vertebrates: Northernmost Occurrence, Ellesmere Island, Canada: M. R. Dawson et al. .................................................. 781

Gating Currents Associated with Sodium and Calcium Currents in an Aplysia Neuron: D. J. Adams and P. W. Gage ........................................ 783

Deep-Sea Carbonates: Dissolution and Mass Wasting on Ontong-Java Plateau: W. H. Berger and T. C. Johnson ............................................. 785

Fossil Peccary from the Pliocene of South Africa: Q. B. Hendey ................................................................. 787


Uptake of Bovine Serum Albumin by Rainbow Trout from Hyperosmotic Solutions: A Model for Vaccinating Fish: D. F. Amend and D. C. Fender ............................................................. 793


DNA Structure in Sheared and Unsheared Chromatin: C. Nicolini, R. Baserga, F. Kendall ................................................................. 796

Inherited Retinal Dystrophy: Primary Defect in Pigment Epithelium Determined with Experimental Rat Chimeras: R. J. Mullen and M. M. LaVail ................................................................. 799

Lysergic Acid Diethylamide- and Mescaline-Induced Attenuation of the Effect of Punishment in the Rat: R. I. Schoenfeld ..................................... 801

Cholera Toxin Induces Pineal Enzymes in Culture: K. P. Minneman and L. L. Iversen ................................................................. 803

Phytohemagglutinin-Induced Lymphocyte Transformation in Humans Receiving Δ9-Tetrahydrocannabinol: R. J. Lau et al. .................................. 805

Aspartate: Distinct Receptors on Aplysia Neurons: P. J. Yarovsky and D. O. Carpenter ................................................................. 807


COVER

Adaptation of sketch of Holly Oak (Delaware) mammoth as carved on pendant. See page 756. [Sketch courtesy of B. J. Meggers, Department of Anthropology, National Museum of Natural History, Smithsonian Institution, Washington, D.C.]
Science 192 (4241), 736-814.