559 This Week in Science

Editorial

561 A "One License—One Hearing" Policy

Letters

563 Federal Research Funding: Open Competition: H. Postma; L. C. Ianniello • NAS Acid Rain Study: S. F. Singer

News & Comment

564 Pressure to Cut the Deficit Creates Uncertainty for Biomedical Research • NIH Starts New Grants Program
567 Approval Seen for New U.S. Chemical Weapons • Binary Deployment Remains Controversial
569 Homelessness: Experts Differ on Root Causes
571 Briefing: Science and Engineering Academies Elect New Officers • Congressmen Urge Support for Supercollider • Congress Urged to Change Patterns of Research Support • Copyrights Obsolete in an Electronic Age, OTA Finds

Research News

573 Greenhouse Warming Still Coming
574 Briefing: Did Ancient Humans Make Stone Caches?
575 Manic-Depression: Is It Inherited?
577 "Computer Genome" Is Full of Junk DNA
578 Briefing: A Solution to the Solar Neutrino Puzzle?

Articles

595 Basic Research and Economic Health: The Coming Challenge: E. Bloch
600 Marine Cobalt Resources: F. T. Manheim

Research Articles

613 Fine Structure Genetic Analysis of a β-Globin Promoter: R. M. Myers, K. Tilly, T. Maniatis

Reports

626 Reduction in Summer Soil Wetness Induced by an Increase in Atmospheric Carbon Dioxide: S. Manabe and R. T. Wetherald
The open ocean is a potential source of cobalt, a strategic metal. Cobalt-rich ferromanganese crusts on the floor of the huge, new United States Exclusive Economic Zone are attracting interest as a potential mineral resource. See page 600. [Photograph courtesy of Dann S. Blackwood, U.S. Geological Survey, Woods Hole, Massachusetts 02543]


Protection of Cattle Against Foot-and-Mouth Disease by a Synthetic Peptide: R. DiMarchi, G. Brooke, C. Gale, V. Cracknell, T. Doel, N. Mowat

A Mutation in the R Body—Coding Sequence Destroys Expression of the Killer Trait in P. tetraurelia: J. A. Dilts and R. L. Quackenbush


A Neuronal Antigen in the Brains of Alzheimer Patients: B. L. Wolozin, A. Pruchnicki, D. W. Dickson, P. Davies


The Nuclear Suppliers and Nonproliferation and The Nuclear Connection, reviewed by R. L. Williamson, Jr. ■ The Origins of Behaviorism, M. M. SOKAL ■ Attribution, A. W. Kruglaniski ■ Some Other Books of Interest ■ Books Received

Statistics Software ■ Automated Chemistry Analyzer ■ DNA Electrophoresis ■ Fraction Collector ■ Plant Growth Chamber ■ Electrophoresis System ■ Pipettor ■ NMR Simulator ■ Chemistry Workstation
Science 232 (4750), 559-669.