
Defense R&D Priorities

The Formation of Stellar Systems from Interstellar Molecular Clouds: R. D. Gehrz, D. C. Black, P. M. Solomon

Cyclic AMP Receptor Protein: Role in Transcription Activation: B. de Crombrugghe, S. Busby, H. Buc


Tentative Agent Orange Settlement Reached

Can Fish Quota Save the Whales?

EPA Regulators Take on the Delaney Clause

New Directions for TVA?

Judge Says Atom Tests Caused Cancer

Briefing: House Committee Bars Plutonium Transfers; Medical School Dean Chosen to Head FDA; A "Death Knell" for Acid Rain Bill in 1984; Sakharov Hunger Strike Casts Doubt on NAS Plans; Obsolete Equipment; White House Enters Fray on DNA Regulation

NASC Elects New Members

Nuclear Squeeze at Lawrence Berkeley Lab

An Impact but No Volcano

More Progress on the T Cell Receptor

Man the Scavenger
BOOK REVIEWS

The Very Early Universe, reviewed by A. P. Lightman; Lakes of the Warm Belt and Lake Chad, J. M. Melack; Springs of Scientific Creativity, R. G. Olson; The Deer Wars, A. R. E. Sinclair; Books Received ...................................................... 863

REPORTS

Mineralogic Evidence for an Impact Event at the Cretaceous-Tertiary Boundary: B. F. Bohor et al. ................................................................. 867

Seismic Potential Revealed by Surface Folding: 1983 Coalinga, California, Earthquake: R. S. Stein and G. C. P. King ..................................... 869

Chondrites: A Trace Fossil Indicator of Anoxia in Sediments: R. G. Bromley and A. A. Ekdal ................................................................. 872

Inhibition of Plant Microtubule Polymerization in vitro by the Phosphoric Amide Herbicide Amiprophos-Methyl: L. C. Morejohn and D. E. Fosket ...................................................... 874


Vitamin D₃-Resistant Fibroblasts Have Immunoassayable 1,25-Dihydroxyvitamin D₃ Receptors: J. W. Pike et al. ............................................. 879

The Structural Gene for Tetanus Neurotoxin Is on a Plasmid: C. W. Finn, Jr., et al. .................................................................................. 881

Reactive Metabolites from the Bioactivation of Toxic Methylfurans: V. Ravindranath, L. T. Burka, M. R. Boyd ........................................ 884

Synthesis of Compounds with Properties of Leukotrienes C₄ and D₄ in Gerbil Brains After Ischemia and Reperfusion: M. A. Moskowitz et al. ...................................................................................... 886


Genetic Influences in Criminal Convictions: Evidence from an Adoption Cohort: S. A. Mednick, W. F. Gabrielli, Jr., B. Hutchings ............. 891

Directional Specificity in the Regeneration of Lamprey Spinal Axons: H. S. Yin, S. A. Mackler, M. E. Selzer ............................................. 894

Prenatal Alcohol Exposure Alters Adult Expression of Sexually Dimorphic Behavior in the Rat: R. F. McGivern et al. ......................... 896


Forebrain Lesions Disrupt Development But Not Maintenance of Song in Passerine Birds: S. W. Bottjer, E. A. Miesner, A. P. Arnold .......... 901

Decreased Oxidation of Labeled Glucose by Dissociated Brain Cells in the Presence of Fetal Bovine Serum: J. T. Tildon and J. H. Stevenson ...................................................... 903


COVER

False color infrared image produced by displaying 5-, 10-, and 20-micrometer images on the blue, green, and red guns of a cathode-ray tube showing a newborn star in the core of the W3 Molecular Cloud. The shell-like structure is produced as a luminous young central star, visible at 2 (white star), and dissipates its protostellar cocoon through radiation and stellar wind pressure. The dark central hole indicates a low-density region swept clean by the stellar wind; reddening around the outside of the shell indicates cooler outlying dust grains. The region is invisible to optical telescopes. (North is at the top; east is to the left.) See page 823 [R. D. Gehrz, G. L. Gradalen, and J. A. Hackwell, Wyoming Infrared Observatory]