This Week in Science

Editorial
Andrei Sakharov, 1921–1989

Letters

News & Comment
Defense Research After the Cold War
East German Environment Comes into the Light
The Fluoride Debate: One More Time
University Restructuring Based on False Premise?

Research News
Emerging Viruses, Emerging Threat • Influenza Mutants Deadly
Whatever Happened to the Genetic Map?
Planetary Science Funds Cut
Sunny Chemistry Outlook Revealed in Hawaii • Mountain in the Sea • Reaching for the Ring • Getting the Blues • CO2 in Space • Ceramic Membranes

Briefings:
Inspector General Cracks Down at NSF • Africanized Bees Near Texas Border • Students: Watson Gets Mixed Grades • NSF Grant Sizes Trimmed for 1990 • Johns Hopkins Talks with MIT’s Deutch • Oak Ridge Seeks Fusion Reactor • Melting the Cold War • Treatment Lacking for Pregnant Addicts

Articles
The Loma Prieta, California, Earthquake: An Anticipated Event: U.S. Geological Survey Staff
Asbestos: Scientific Developments and Implications for Public Policy: B. T. Mossman, J. Bignon, M. Corin, A. Seanon, J. B. L. Gee

Reports

Effects of Fish and Plankton on Lake Temperature and Mixing Depth: A. Mazumder, W. D. Taylor, D. J. McQueen, D. R. S. Lean
Phenotypic Switching in Mycoplasmas: Phase Variation of Diverse Surface Lipoproteins: R. ROSENGARTEN AND K. S. WISE


Identification of Geranylgeranyl-Modified Proteins in HeLa Cells: C. C. FARNSWORTH, M. H. GELB, J. A. GLOMSET

A Dominant Mutation That Predisposes to Multiple Intestinal Neoplasia in the Mouse: A. R. MOSER, H. C. PITTOT, W. F. DOVE


Microinjection of a Conserved Peptide Sequence of p34cdc2 Induces a Ca2+ Transient in Oocytes: A. PICARD, J.-C. CAVADORE, P. LORY, J.-C. BERNEngo, C. OJEDA, M. DORÈE


Specific Expression of a Tyrosine Kinase Gene, blk, in B Lymphoid Cells: S. M. DYMIECKI, J. E. NIEDERHUBER, S. V. DESIDERIO

Auditory Association Cortex Lesions Impair Auditory Short-Term Memory in Monkeys: M. COLOMO, M. R. D'AMATO, H. R. RODMAN, C. G. GROSS

Survival of Adult Basal Forebrain Cholinergic Neurons After Loss of Target Neurons: M. V. SOFRONIEV, N. P. GALLETTY, O. ISAACSON, C. N. SVENDSEn

California Aftershock Model Uncertainties: P. A. RYDELEK; P. A. REASENBERG AND M. V. MATTHEWS California Aftershock Hazard Forecasts: P. A. REASENBERG AND L. M. JONES


Magnetic Stirrer for Hazardous Areas Factory-Formatted Disks for the Macintosh Corrosion Database HPLC Chemistry for Protein Purification Software for Unit Conversion Time-Saving Crosslinker Measuring Through Microscope or Macro Lenses Literature