This Week in Science

Editorial
585 Science, Journalism, and Whistle-Blowing

Letters

News & Comment
593 Tight Times for Materials R&D
595 Growth of Information Management by Government Pilloried in Report
596 Briefing: Britain Agrees to Spend $470 Million on New European Space Program ■ Animal Day ■ Heterosexual AIDS: Setting the Odds ■ Supreme Court Denies Plea of Alcoholic Vets
598 The Big Problem of Brittle Books ■ Rare Treatment for Rare Items
601 Briefing: Industrial, Government Cooperation Urged ■ Commission to Assess Science and Government ■ Acid Rain Said to Threaten Bay

Research News
602 Genome Projects Ready to Go
603 Chance and Repetition
604 Advances in Measurement Science
606 Indoor Radon: The Deadliest Pollutant

Articles
611 The Science of Patterns: L. A. Stern
617 Microemulsions: M. Kahliweit
622 Apolipoprotein E: Cholesterol Transport Protein with Expanding Role in Cell Biology: R. W. Mahley

Reports
Stratospheric Response to Trace Gas Perturbations: Changes in Ozone and Temperature Distributions: G. BRASSEUR and M. H. HITCHMAN

Iron Photoreduction and Oxidation in an Acidic Mountain Stream: D. M. McKnight, B. A. Kimball, K. E. Bencala

Toxic DNA Damage by Hydrogen Peroxide Through the Fenton Reaction in Vivo and in Vitro: J. A. Imlay, S. M. Chin, S. Linn


Dextran Sulfate Suppression of Viruses in the HIV Family: Inhibition of Virion Binding to CD4 Cells: H. Mitsuwa, D. J. Looney, S. Kuno, R. Ueno, F. Wong-Staal, S. Broder

Sustained Dendritic Gradients of Ca2+ Induced by Excitatory Amino Acids in CA1 Hippocampal Neurons: J. A. Connor, W. J. Wadman, P. E. Hockberger, R. K. S. Wong

Highly Cooperative Opening of Calcium Channels by Inositol 1,4,5-Trisphosphate: T. Meyer, D. Holowka, L. Stryer


Aggregation of Lysine-Containing Zeins into Protein Bodies in Xenopus Oocytes: J. C. Wallace, G. Galili, E. E. Kawata, R. E. Cuello, M. A. Shotwell, B. A. Larkins

Technology, the Economy, and Society, reviewed by D. Montgomery ■ The Evolution of Reef Communities, J. E. Sorauf ■ Arthropod Brain, R. R. Hoy ■ Structure and Dynamics of Elliptical Galaxies, R. H. Miller ■ Books Received