1619 This Week in Science

Editorial

1621 Methodology and Theory at the Frontier

Letters


ScienceScope

1631 NIH puts congressmen on the map; FDA whips up a policy on biotech foods; etc.

News & Comment

1632 Piccemeal Rescue for Soviet Science • A Clearinghouse That Could Get Clogged • A Profusion of Projects
1635 Biotech's Chinese Connection
Bush Tries Trimming R&D Pork
1636 In the Trenches, Doubts About Scientific Integrity
1637 Do NASA Images Create Fantastic Voyages?
1638 Briefings: New Stanford Head • Liver Transplants Good for Brains • Bone Like Plywood • A Voice for Bio-Engineering • Red Ink at Harvard • Top Science Jobs Lose Appeal • Precolombian Trees • Asbestos Regs To Be Re-examined

Research News

1640 Signals Into Unknown Territory
1642 You Can't Hear the Shape of a Drum
1643 Controlling Chemical Reactions with Laser Light
1645 Previewing This Year's FASEB Offerings
1646 Challenging the "No New Neurons" Dogma
1647 Finding Out How a Viral Hitchhiker Snaps a Ride

Articles

1663 Raising Tibet: T. M. HARRISON, P. COPELAND, W. S. F. KIDD, A. YIN
1671 Intercellular Communication and Cell-Cell Adhesion: S. J. SINGER

Research Article

1678 The Inner Core Translational Triplet and the Density Near Earth's Center: D. E. SMYTLIE

Reports

1683 Laser-Enhanced NMR Spectroscopy: W. S. WARREN, S. MAYR, D. GOSWAMI, A. P. WEST, JR.
1685 The Breakup of a Meteorite Parent Body and the Delivery of Meteorites to Earth: P. H. BENIOIT AND D. W. G. SEARS
1687 Response of Regional Seismicity to the Static Stress Change Produced by the Loma Prieta Earthquake: P. A. REASENBERG AND R. W. SIMPSON
1690  The Fossil Record and Evolution: Comparing Cladistic and Paleontologic Evidence for Vertebrate History: M. A. NORELL and M. J. NOVACEK

1693  Predisposition to Renal Cell Carcinoma Due to Alteration of a Cancer Susceptibility Gene: C. WALKER, T. L. GOLDSWORTHY, D. C. WOLF, J. EVERTT

1695  Evidence of a Role for Heterotrimeric GTP-Binding Proteins in Endosome Fusion: M. I. COLOMBO, L. S. MAYORGA, P. J. CASEY, P. D. STAHL


1700  Inhibition of Myeloid Differentiation by the Helix-Loop-Helix Protein Id: B. L. KREIDER, R. BENEZRA, G. ROVERA, T. KADESCH


1705  An Amino Acid Mutation in a Potassium Channel That Prevents Inhibition by Protein Kinase C: A. E. BUSCH, M. D. VARNUM, R. A. NORTH, J. P. ADELMAN

1707  Generation of Neurons and Astrocytes from Isolated Cells of the Adult Mammalian Central Nervous System: B. A. REYNOLDS and S. WEISS

1710  Evidence for a Computational Distinction Between Proximal and Distal Neuronal Inhibition: E. T. VU and F. B. KRAINE

1712  The Size of Gating Charge in Wild-Type and Mutant Shaker Potassium Channels: N. E. SCHOPPA, K. MCCORMACK, M. A. TANOUYE, F. J. SUGWORTH

1715  Tumor Necrosis Factor-α Activates the Sphingomyelin Signal Transduction Pathway in a Cell-Free System: K. A. DRESSLER, S. MATHIAS, R. N. KOLESNICK


Inside AAAS

Meetings

1726  New AAAS Fellows Join Roster of Members Elected as Distinguished Scientists

1727  Science Innovation '92: New Techniques and Instruments in Biomedical Research, 21–25 July 1992, San Francisco ■ Preconvention Program ■ Call for Papers ■ Invitation to Exhibit ■ Hotel Reservation Form ■ Advance Registration Form

Book Reviews

1750  Health in the Headlines, reviewed by T. E. COOK ■ Parasite-Host Associations, D. J. Futyma ■ Knott and Physics, W. B. R. LICKORISH ■ Vignettes: Gustatory Excursions ■ Books Received

Products & Materials

1758  Plasmid DNA Kit ■ Rugged Portable Computer ■ Graphing Software ■ Antibody Isotoping and Testing ■ Diode Array Detector ■ Polyclonal Antibodies ■ Pulse-Free Electrophoresis Pumping ■ Literature

Author Index for Volume 255 is on pages 1797–1806

27 MARCH 1992

TABLE OF CONTENTS 1617