Editorial

1123 This Week in Science

1125 Combating High Journal Costs

Letters


News & Comment

1130 China's Turmoil Touches U.S. Science
1131 U.S.–Chinese Scientists See Dreams Imperiled
1133 U.S. Physicians Probe Deaths in Soviet Georgia
1134 Fighting the Bends in the Indian Ocean
1135 Global Ban Sought on Ivory Trade
1136 NIH, CDC Search Committees Formed
1136 MIT–Industry Links Draw Congressional Attention

Research News

1137 Telling Weathermen When to Worry ■ Forecasting Pushed Too Far
1140 Skepticism Fades Over Pre-Clovis Man ■ Invisible Evidence? New Type of Receptor Found
1141 Superconductivity Stars Move

Articles

1145 Enzymatic Catalysts in Organic Synthesis: C.-H. WONG
1152 The Role of Somatic Hypermutation in the Generation of Antibody Diversity: D. L. FRENCH, R. LASKOV, M. D. SCHARFF

Research Articles

1158 Catalytic Hydrolysis of Vasoactive Intestinal Peptide by Human Autoantibody: S. PAUL, D. J. VOLLE, C. M. BEACH, D. R. JOHNSON, M. J. POWELL, R. J. MASSEY

Reports

1163 Autoimmune Target in Heymann Nephritis Is a Glycoprotein with Homology to the LDL Receptor: R. RAYCHOWDHURY, J. L. NILES, R. T. McCLUSKEY, J. A. SMITH
1165 Neptune Cloud Structure at Visible Wavelengths: H. B. HAMMEL
1167 Expression of a Bacterial Gene in a Trypanosomatid Protozoan: V. BELLOFATTO AND G. A. M. CROSS
The arrangement of the electron density in a tetragonal crystal of human serum albumin. Prominent features of the molecular packing arrangement are large (90 Å by 90 Å) solvent channels (shown in purple) that pass through the crystal parallel to the crystallographic c-axis. The unit cell and symmetry operations parallel to the c-axis are illustrated. See page 1195. [D. C. Carter et al., NASA, Space Sciences Laboratory, Code ES76, Marshall Space Flight Center, AL 35612]


1174 Potassium Channels in Cardiac Cells Activated by Arachidonic Acid and Phospholipids: D. KIM and D. E. CLAPHAM

1176 Arachidonic Acid and Other Fatty Acids Directly Activate Potassium Channels in Smooth Muscle Cells: R. W. ORDWAY, J. V. WALSH, JR., J. J. SINGER


1189 Localization and Mobility of ω-Conotoxin–Sensitive Ca2+ Channels in Hippocampal CA1 Neurons: O. T. JONES, D. L. KUNZE, K. J. ANGELIDES

1193 The Neuronal Growth-Associated Protein GAF-43 Induces Filopodia in Non-Neuronal Cells: M. X. ZUBER, D. W. GOODMAN, L. R. KARNS, M. C. FISHERMAN


Book Reviews

1200 Stalking the Academic Communist, reviewed by W. P. METZGER Molecular Biology of Dictyostelium Development, E. LUNA The Geological Evolution of Tibet, K. Hodges Books Received

Products & Materials

1206 Molecular Modeling System Electrophoresis Staining System Image Recognition Software Large-Scale Cell Culture Container Automatic Titration Plasmid Preparation Kits Biocompatible Antibody-Purification Column Literature

Table of Contents 1121