1191 This Week in *Science*

**Editorial**

1193 The Addictive Personality

**Letters**

1194 Cool Diamonds: T. H. Geballe; R. O. Pohl; R. Seitz

**News & Comment**

1196 A Storm Over Steroid Therapy
1198 NIH Readies Plan for Cost Containment ■ FASEB Challenges IOM Study
1200 Astronomers to Map 1 Million Galaxies
1201 Archaeologist Cleared in California Case
1202 Images of an Unquiet Planet


**Research News**

1204 Biology Goes to the Movies
1206 New Maps of a Very Strange Place
1207 Closing in on Einstein's Special Relativity Theory ■ Tilting at Einstein
1209 Genetic Defect Identified in Rare Cancer Syndrome

**Articles**

1210 Organizational Aspects of Engineering System Safety: The Case of Offshore Platforms: M. E. Paté-Cornell
1217 Highly Parallel Computation: P. J. Denning and W. F. Tichy
1223 Olfactory Recognition: A Simple Memory System: P. Brennan, H. Kaba, E. B. Keverne

**Research Articles**

1227 Retroviral Recombination and Reverse Transcription: W. -S. Hu and H. M. Temin

**Reports**

1239 Structure of the Reduced TiO₂(110) Surface Determined by Scanning Tunneling Microscopy: G. S. Rohrer, V. E. Henrich, D. A. Bonnell
1241 Surface Displacements in the 1906 San Francisco and 1989 Loma Prieta Earthquakes: P. Segall and M. Lisowski
Two hypothalamic neurons that have been stimulated by the neurotransmitter glutamate show an increase in intracellular calcium. The red color indicates calcium visualized with the calcium-sensitive dye fluo-3 and digital video microscopy. See page 1276. [Photograph by Anthony van den Pol]

1244 Modern Cyanobacterial Analogs of Paleozoic Stromatoporoids: J. KAZMIERCZAK and S. KEMPE
1248 Simulation of Tsunamis from Great Earthquakes on the Cascadia Subduction Zone: M. E. NG, P. H. LEBLOND, T. S. MURTY
1251 Exploitation of Herbivore-Induced Plant Odors by Host-Seeking Parasitic Wasps: T. C. J. TURLINGS, J. H. TUMLINSON, W. J. LEWIS
1259 Binding of the Wilms’ Tumor Locus Zinc Finger Protein to the EGR-1 Consensus Sequence: F. J. RAUSCHER III, J. F. MORRIS, O. E. TOWNAY, D. M. COOK, T. CURRAN
1262 Mapping of Herpes Simplex Virus–1 Neurovirulence to γ34.5, a Gene Nonessential for Growth in Culture: J. CHOU, E. R. KERN, R. J. WHITLEY, B. ROIZMAN
1266 Calcium Mobilization and Exocytosis After One Mechanical Stretch of Lung Epithelial Cells: H. R. W. WIRTZ and L. G. DOBBS
1273 Diet-Induced Hypercholesterolemia in Mice: Prevention by Overexpression of LDL Receptors: M. YOKODE, R. E. HAMMER, S. ISHIBASHI, M. S. BROWN, J. L. GOLDSTEIN
1276 Glutamate, the Dominant Excitatory Transmitter in Neuroendocrine Regulation: A. N. VAN DEN POL, J.-P. WUARIN, F. E. DUDEK
1278 A Borna Virus cDNA Encoding a Protein Recognized by Antibodies in Humans with Behavioral Diseases: S. VANDEWOUDE, J. A. RICHT, M. C. ZINK, R. ROTT, O. NARAYAN, J. E. CLEMENTS

Book Reviews

1282 Cooperative Breeding in Birds, reviewed by L. A. FREED ■ Social Insects, G. C. EICKWORT ■ Nature as the Laboratory, W. MONTGOMERY ■ The Highlands Controversy, R. LAUDAN ■ Some Other Books of Interest ■ Books Received