Editorial

1647 This Week in Science

1649 Congressional Fellowships for Science

Letters


News & Comment

1653 Quiet Soviet Subs Prompt Concern
1654 Mexican Research Center Closed
1655 Big Changes Urged for Precollege Math
1656 Consensus Elusive on Japan's Genome Plans
1657 Britain Launches Genome Program
1658 Science in Court
1659 Election Turmoil at Soviet Academy
1660 Waste Plan Bestirs Scots Nationalists

France to Raise Faculty Enticements

Research News

1661 Fusion Breakthrough?
1663 Judging Paternity in the Hedge Sparrow's World
1664 Brain Protein Yields Clues to Alzheimer's Disease
1666 Species Questions in Modern Human Origins

Articles

1668 Clinical Versus Actuarial Judgment: R. M. Dawes, D. Faust, P. E. Meehl
1674 Polar Solvent Dynamics and Electron-Transfer Reactions: M. Maroncelli, J. MacInnis, G. R. Fleming

Research Articles

1681 The DNA Binding Domain of the Rat Liver Nuclear Protein C/EBP Is Bipartite: W. H. Landschulz, P. F. Johnson, S. L. McKnight
1689 Leucine Repeats and an Adjacent DNA Binding Domain Mediate the Formation of Functional cFos-cJun Heterodimers: R. Turner and R. Tjan
1695 Parallel Association of Fos and Jun Leucine Zippers Juxtaposes DNA Binding Domains: R. Gentz, F. J. Rauscher III, C. Abate, T. Curran
Cover: Staining of the polar distribution of a viral envelope glycoprotein in a midgut columnar epithelial cell. Paraffin sections of the caterpillar, Trichoplusia ni, infected with a baculovirus were immunostained with a monoclonal antibody reactive with the glycoprotein, a peroxidase conjugate and diaminobenzidine as color substrate. See page 1728. [Photomicrograph by B. Andrew Keddie using a Zeiss Axioshot with differential interference contrast optics]

Reports

1703 Hexagonal Domain-Like Charge Density Wave Phase of TaS2 Determined by Scanning Tunneling Microscopy: X. L. Wu and C. M. Lieber

1706 Thirty Thousand Years of Human Colonization in Tasmania: New Pleistocene Dates: R. Cosgrove

1708 Scanning Tunnel Microscopy of Uncoated recA-DNA Complexes: M. Amrein, R. Dörn, A. Stasiak, H. Gross, G. Travaglini


1713 Mutations in a Protein Kinase C Homolog Confer Phorbol Ester Resistance on Caenorhabditis elegans: Y. Tabuse, K. Nishiyama, J. Miwa

1716 In Vivo Modulation of Cytolytic Activity and Thy-1 Expression in TCR-γδ + Intraepithelial Lymphocytes: L. Lefrancqois and T. Goodman

1718 Defensive Behaviors in Infant Rhesus Monkeys: Environmental Cues and Neurochemical Regulation: N. H. Kalin and S. E. Shelton

1721 Ethanol Inhibits NMDA-Activated Ion Current in Hippocampal Neurons: D. M. Lovinger, G. White, F. F. Weight

1725 Restriction Fragment Length Polymorphisms Associated with Water Use Efficiency in Tomato: B. Martin, J. Nienuhis, G. King, A. Schaefer

1728 The Pathway of Infection of Autographa californica Nuclear Polyhedrosis Virus in an Insect Host: B. A. Keddie, G. W. Aponte, L. E. Volkman

1731 HIV with Reduced Sensitivity to Zidovudine (AZT) Isolated During Prolonged Therapy: B. A. Larder, G. Darby, D. D. Richman

Technical Comments

1736 Factor XIIa—Expressing Dermal Dendrocytes in AIDS-Associated Cutaneous Kapozi’s Sarcomas: B. J. Nickoloff and C. E. M. Griffiths; R. C. Gallo, S. Z. Salahuddin, S. Nakamura

Book Reviews

1738 Caring for the Disabled Elderly, reviewed by C. E. Bishop ■ Private Acts, Social Consequences, D. E. Beauchamp ■ The Diffusion of Medical Innovation, J. R. Kimberly ■ Books Received

Author Index to Volume 243 is found on pages I–X. Information for Contributors is found on XI–XII.