
Adjusting the 1990 Census: D. A. Freedman

Healy Gets Off to a Fast Start ■ Political Savvy With Connections

MRI—Safety Issues Stimulate Concern

Chernobyl's Cloud: A Lighter Shade of Gray

NRC Panel: Abolish Mandatory Retirement

Environmentalists: Ban the (Population) Bomb

Britain Picks Wrong Way To Beat the Japanese

Briefer: Berg to Head NIH Genome Committee ■ Astro Redux ■ The Graying of Physics ■ Jekyll and Hyde GAO?

How Parents Make Their Mark on Genes

The Incredible Shrinking Tunneling Microscope

Cell Cycle Research: Down to the Nitty Gritty

The Stately Cycles of Ancient Climate

Finding DNA Sequencing Errors

Rhino Biology: Keeping Tabs on an Endangered Species: Bursting Bottlenecks ■ Isotopic IDs for Rhino Horn ■ Rhino Rumbles

The Potential for Ozone Depletion in the Arctic Polar Stratosphere:


The Response of Electrons to Structural Changes: K. B. Wiberg, C. M. Hadad, C. M. Breneman, K. E. Laidig, M. A. Murcko, T. J. LePage

Electronic Data Publishing and GenBank: M. J. Cinkosky, J. W. Fickett, P. Gilna, C. Burks

Atomic Structure of Adenosine Deaminase Complexed with a Transition-State Analog: Understanding Catalysis and Immunodeficiency Mutations:

D. K. Wilson, F. B. Rudolph, F. A. Quiocio
COVER A drawing of viral particle assembly at a membrane surface. Assembly of the filamentous bacteriophage Pf1 takes place by the addition of coat protein subunits to the growing virus cylinder as the DNA extrudes through the host cell membrane without incorporating lipids. The coat protein undergoes a structural transition during its translocation process in which its secondary structure remains essentially unchanged while its tertiary structure changes substantially. See pages 1303 and 1305. [Drawing by L. Makowski]

Reports

1285 Protein Electron Transfer Rates Set by the Bridging Secondary and Tertiary Structure: D. N. Beratan, J. N. Betts, J. N. Onuchic


1296 Identification of the DNA Binding Site for NGFI-B by Genetic Selection in Yeast: T. E. Wilson, T. J. Fahrner, M. Johnston, J. Milbrandt

1300 Proximate Constraints on the Evolution of Egg Size, Number, and Total Clutch Mass in Lizards: B. Sinervo and P. Licht

1303 NMR, Studies of the Structure and Dynamics of Membrane-Bound Bacteriophage Pf1 Coat Protein: K.-J. Shon, Y. Kim, L. A. Colnago, S. J. Opella

1305 Membrane-Mediated Assembly of Filamentous Bacteriophage Pf1 Coat Protein: R. Nambudripad, W. Stark, S. J. Opella, L. Makowski

1308 Separation of IL-4 Production from Th Cell Proliferation by an Altered T Cell Receptor Ligand: B. D. Evavold and P. M. Allen


1313 Two- Rather Than Three-Dimensional Representation of Saccades in Monkey Superior Colliculus: A. J. van Opstal, K. Hepp, B. J. M. Hess, D. Straumann, V. Henn


Technical Comments


Book Reviews

1324 Learning Together, reviewed by S. Schwager ■ Heavy Ion Reactions, R. Satchler ■ The Physics of Ultracold Neutrons, W. A. Lanford ■ Insects at Low Temperature, J. R. Hazell ■ Books Received