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ARTICLE

Biochemistry of Nitric Oxide and Its Redox-Activated Forms 1898
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Impaired Long-Term Potentiation, Spatial Learning, and Hippocampal Development in fyn Mutant Mice 1903
Selection of a Ribozyme That Functions as a Superior Template in a Self-Copying Reaction 1910
R. Green and J. W. Szostak

CO2 sequestration during deglaciation

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Cultured human neurons, one of the targets of the potent signaling molecule nitric oxide (the NO of the cover). The diverse and important roles of NO are just beginning to be discovered; see the Editorial on page 1861 and the Molecule of the Year story on page 1862. [Photograph: Visuals Unlimited]

**REPORTS**

**Structural and Electronic Properties of La@C_{32}**
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**Scanning Tunneling Microscopy of Electrodeposited Ceramic Superlattices**

**Dynamics of Soil Carbon During Deglaciation of the Laurentide Ice Sheet**
J. W. Harden, E. T. Sundquist, R. F. Stallard, R. K. Mark

**Evidence from the Lamarck Granodiorite for Rapid Late Cretaceous Crust Formation in California**
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**Allometric Engineering: A Causal Analysis of Natural Selection on Offspring Size**
B. Sinervo, P. Doughty, R. B. Huey, K. Zamudio

**Components of Sterol Biosynthesis Assembled on the Oxygen-Avid Hemoglobin of Ascaris**
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**Cryobiological Preservation of Drosophila Embryos**

**Cellular Proteins Bound to Immunodeficiency Viruses: Implications for Pathogenesis and Vaccines**

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**Targeted Degradation of c-Fos, But Not v-Fos, by a Phosphorylation-Dependent Signal on c-Jun**
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**Retinoids Selective for Retinoid X Receptor Response Pathways**

**Isolation and Structure of a Brain Constituent That Binds to the Cannabinoid Receptor**

**Direct Visualization of the Dendritic and Receptive Fields of Directionally Selective Retinal Ganglion Cells**
G. Yang and R. H. Masland

**Cloning of a Delta Opioid Receptor by Functional Expression**

**Prevention of Programmed Cell Death in Caenorhabditis elegans by Human bcl-2**
D. L. Vaux, I. L. Weissman, S. K. Kim

**Neutrophil Recruitment by Tumor Necrosis Factor from Mast Cells in Immune Complex Peritonitis**
Y. Zhang, B. F. Ramos, B. A. Jakschik

1955 Foiling the hangman's noose ... in worms