LETTERS


EDITORIAL

Evolving Patterns of Energy Production and Use

ARTICLES

Metal Oxide Chemistry in Solution: Early Transition Metal Polyoxoanions: V. W. Day and W. G. Klemperer

Bond Order and Charge Localization in Nucleoside Phosphorothioates: P. A. Frey and R. D. Sammons

Crystallographic Structure of the Octameric Histone Core of the Nucleosome at a Resolution of 3.3 A: R. W. Burlingame et al.

Insertion Mutagenesis of Embryonal Carcinoma Cells by Retroviruses: W. King et al.

NEWS AND COMMENT

China Plans Sweeping Reforms in Science

Gene Therapy Guidelines Revised

Shuttle Encounters Landing Trouble

In Defense of "Star Wars"

Briefing: New Biotechnology Research Program in Britain; House Opens Broad Science Policy Hearings; Baby Doe Regs Set; Panel Examines Costs of Nuclear Warheads; Utilities Look to New Coal Combustion Technology

Court Gives CIA Broad Secrecy Rights

RESEARCH NEWS

Gregarious Grazers Eat Better

NSF Commits to Supercomputer

Molecular Clocks Scrutinized

BOOK REVIEWS

Quantum Theory of Gravity, reviewed by R. D. Sorkin; Atmospheric
REPORTS

Disturbance and Ecologic Succession in an Upper Ordovician Cobble-Dwelling Hardground Fauna: *M. A. Wilson.*

Expression of a Microinjected Porcine Class I Major Histocompatibility Complex Gene in Transgenic Mice: *W. I. Freis et al.*

Location of Gene for β Subunit of Human T-Cell Receptor at Band 7q35, a Region Prone to Rearrangements in T Cells: *M. Isobe et al.*

Genes for β Chain of Human T-Cell Antigen Receptor Map to Regions of Chromosomal Rearrangement in T Cells: *C. C. Morton et al.*


Epizootic Carcinoma in the Winter Flounder, *Pseudopleuronectes americanus:* *R. A. Murchelano and R. E. Wolke.*

Comparative Toxinology of *Laxoscus reclusa* and *Corynebacterium pseudotuberculosis* *pseudotubercolus*: *A. W. Bernheimer, B. J. Campbell, L. J. Forrester.*


Characterization of Envelope and Core Structural Gene Products of HTLV-III with Sera from AIDS Patients: *W. G. Robey et al.*


Brain Dopamine and Serotonin Receptor Sites Revealed by Digital Subtraction Autoradiography: *C. A. Altar et al.*

Regenerating Fish Optic Nerves and a Regeneration-Like Response in Injured Optic Nerves of Adult Rabbits: *M. Schwartz et al.*

Habitat Selection in a Clonal Plant: *A. G. Saltzman.*

Amygdectomy Impairs Crossmodal Association Monkeys: *E. A. Murray and M. Mishkin.*

Methionine and Leucine Enkephalin in Rat Neurohypophysis: Different Responses to Osmotic Stimuli and T2 Toxin: *N. Zamir et al.*

COVER

Color-coded image of dopamine (D2) and serotonin (S2) receptors in brain. These receptors are revealed by the binding of [3H]spiroperidol to a thin horizontal slice of rat brain. An autoradiograph results from exposing the brain slice to tritium-sensitive film. Differing gray tones of the developed film are color-coded, whereby increasing amounts of [3H]spiroperidol binding are represented by black, blue, green, yellow, and red. [3H]Spiperon binding principally labels S2 receptors in the neocortex and D2 receptors in the striatum. See page 597. [Photograph prepared using the image analysis facility of the LASER Microbeam Program, University of California, Irvine. Image preparation and photography by J. N. Joyce]