This Week in Science

Climate and Water

Good Science Advice: G. E. Brown, Jr. • Evolution and Family Homicide: S. A. George; A. H. Harcourt; M. Daly and M. Wilson

Accelerator Eyed for Warhead Tritium
If It’s Tuesday, This Must Be . . . Heraklion?
Britain Reveals Astronomy Plan
Chauvinism in Nobel Nominations
Space Cameras and Security Risks
Human Gene Transfer Test Approved
Leakey Leaves Kenya Museums
AAAS Meeting Draws a Crowd: Science’s Public Persona • “Oh, I Thought You Were a Man.” • A World of Megacities • Space Reactors and Arms Control

Sources and Sinks Complicate Ecology
Feeding the Monster in the Middle
Take Your Choice: Ice Ages, Quakes, or Impacts: A Combination of Impact and Volcano Is Dismissed • Taking the Pulse of the San Andreas Fault • New Way to Switch Earth Between Hot and Cold
Are Neural Nets Like the Human Brain?
Inbreeding Costs Swamp Benefits

A Specialization for Speech Perception: A. M. Liberman and I. G. Mattingly
Nonlinear Mixing of Electromagnetic Waves in Plasmas: V. Stefan, B. I. Cohen, C. Joshi
Functions of Sphingolipids and Sphingolipid Breakdown Products in Cellular Regulation: Y. A. Hannun and R. M. Bell

Chromosomal Rearrangement Generating a Composite Gene for a Developmental Transcription Factor: P. Stragier, B. Kunkel, L. Kroos, R. Losick

519 Rhenium-Osmium Isotope Systematics of Carbonaceous Chondrites: R. J. Walker and J. W. Morgan
522 The Effect of GTPase Activating Protein upon Ras Is Inhibited by Mitogenically Responsive Lipids: M.-H. Tsai, C.-L. Yu, F.-S. Wei, D. W. Stacey
526 Switch Protein Alters Specificity of RNA Polymerase Containing a Compartment-Specific Sigma Factor: L. Kroos, B. Kiener, R. Losick
538 Evidence That the Leucine Zipper Is a Coiled Coil: E. K. O'Shea, R. Rutkowski, F. S. Kim

Technical Comments


Book Reviews

552 America the Vulnerable; Gene Wars; Clouds of Secrecy, reviewed by R. Falk; Biodiversity, D. B. Wake; Books Received

Products & Materials

556 LC System for Methods Development; System to Profile pH; Text and Graphic Overlay for Microscopy; Temperature Controller for Microbiology; Magnetic Particles for Immunoassays; Micro HPLC Pump; Mathematical Functions Software; Literature
Science 243 (4890), 459-556.