Letters

Potassium Iodide: Effectiveness After Nuclear Accidents: R. S. Yalow

Editorial

International Science

Articles

Role of Frontier Orbitals in Chemical Reactions: K. Fukui
The 1982 Nobel Prize in Physics: P. W. Anderson
The 1982 Nobel Prize in Physiology or Medicine: J. A. Oates

News and Comment

Rewriting the History of the H-Bomb
No Fraud Found in Alcoholism Study
Briefing: Deaths Halt Interferon Trials in France; DOE to Gut Solar and Conservation Programs; Cornell Cancels Accelerator Plan; Knapp Nominated to Be NSF Director; Making Cells While the Sun Shines
Bomb-Building Plan Runs into Trouble
Nuclear Freeze Candidates Claim Mandate

Research News

Surprising Discovery with a Small RNA
Does Gödel's Theorem Matter to Mathematics?

Book Reviews

Problems of Phylogenetic Reconstruction, reviewed by G. V. Lauder; Psychological Perspectives on the Self, W. B. Swann, Jr.; Physiological...
Reports

Deep Circulation of the North Atlantic over the Last 200,000 Years: Geochemical Evidence: E. A. Boyle and L. D. Keigwin


Discovery of a Large-Magnitude, Late Pleistocene Volcanic Eruption in Alaska: J. A. Westgate

Bacterial Bioluminescence: Isolation and Expression of the Luciferase Genes from Vibrio harveyi: R. Belas et al.

Complex Venation Patterns in the Leaves of Selaginella: Megaphyll-Like Leaves in Lycophytes: W. H. Wagner, Jr., J. M. Beitel, F. S. Wagner

Heterotrophic Bacteria and Bacterivorous Protozoa in Oceanic Macroaggregates: D. A. Caron et al.


Odor Quality: Semantically Generated Multidimensional Profiles Are Stable: A. Dravnieks

Color Vision Is Altered During the Suppression Phase of Binocular Rivalry: E. L. Smith, III et al.

Rotational Invariance in Visual Pattern Recognition by Pigeons and Humans: V. D. Holland and J. D. Delius

Chemical Mimicry in the Myrmecophilous Beetle Myrmecaphodius excavaticollis: R. K. Vander Meer and D. P. Wojcik

Lesion-Induced Sprouting in the Rat Dentate Gyrus Is Inhibited by Repeated Ethanol Administration: J. R. West et al.

Synchronous Neural Afterdischarges in Rat Hippocampal Slices Without Active Chemical Synapses: C. P. Taylor and F. E. Dudek


Cover

Sun-drying cassava chips in Thailand. See page 755. [C. Hershey, Centro Internacional de Agricultura Tropical, Cali, Colombia]