LETTERS


EDITORIAL

Clean Fuels from Coal

ARTICLES

Paleofool Hydrology: R. C. Kochel and V. R. Baker

Autocidal Control of Screwworms in North America: R. H. Richardson, J. R. Ellison, W. W. Averhoff

Environmental Uses of the NIH-EPA Chemical Information System: G. W. A. Milne et al.

NEWS AND COMMENT

A Long-Term Problem for the Nuclear Industry

Isotopes the Nuclear Industry Overlooked

Rehnquist’s Drug Dependence Poses a Dilemma

At AAAS Meeting, a Closing of Ranks

Judge's Ruling Hits Hard at Creationism

Briefing: Goyan Sees Risks in Academic Drug Ventures; Ethicist Approves Test-Tube Baby Research; CIA Director Warns Scientists; Scientists Honored for Freedom and Responsibility

RESEARCH NEWS

California’s Shaking Next Time

AAAS Research Briefing: A Better Chance for Kidney Transplantation; A Boundary for the Quasars?; A New Look Inside the Sickle Erythrocyte; Extinctions: Iridium and Who Went When

BOOK REVIEWS

Errors in Linguistic Performance, reviewed by J. B. Gleason; The Urban Climate, W. P. Lowry; Conservation and Evolution, D. Rabinowitz; Survival in the Cold, G. L. Florant; The Shore Environment, P. K. Dayton; Books Received
Heat Production by Sediment: Ecological Significance: M. M. Pamatmat .............................................. 395
Visibility of Comet Nuclei: E. P. Ney ................................................................. 397
Biosynthesis and Processing of a Human Precursor Complement Protein, pro-C3, in a Hepatoma-Derived Cell Line: K. M. Morris et al. ............................................................. 399
Isolation of Chlorine-Containing Antibiotic from the Freshwater Cyanobacterium Scytonema hofmannii: C. F. Mason et al. ................................................................. 400
A 7-Hydroxymethyl Sulfate Ester as an Active Metabolite of 7,12-Dimethylbenz[a]anthracene: T. Watabe et al. .......................................................... 403
Expression of Bovine Leukemia Virus Genome Is Blocked by a Nonimmunoglobulin Protein in Plasma from Infected Cattle: P. Gupta and J. F. Ferrer .......................................................... 405
An Inhibitor of the Binding of Thyroid Hormones to Serum Proteins Is Present in Extrathyroidal Tissues: I. J. Chopra et al. .................................................. 407
Recombinant Inversion Chromosomes in Phenotypically Normal Chickens: J. S. Bitgood et al. .......................................................... 409
Molecular Weight of Human Gamma Interferon Is Similar to That of Other Human Interferons: Y. K. Yip et al. .......................................................... 411
Dynorphin Is a Specific Endogenous Ligand of the \( \kappa \) Opioid Receptor: C. Chavkin, L. F. James, A. Goldstein ................. 413
Polyamines Inhibit the Protein Kinase 380-Catalyzed Phosphorylation of Eukaryotic Initiation Factor 2a: Y. Kuroda, W. C. Merrick, R. K. Sharma .......................................................... 415
Physiophysical Evidence for More Than Two Kinds of Cone in Dichromatic Color Blindness: F. S. Frome, T. P. Plantanida, D. H. Kelly .......................................................... 417
Viral Receptors on Isolated Murine and Human Ependymal Cells: M. Tardieu and H. L. Weiner .......................................................... 419
 Helpers: Effects of Experimental Removal on Reproductive Success: J. L. Brown et al. ........................................................ 421

Fixative Without Formaldehyde; Balances; Vibration Isolation Benches; Microtome Cryostat; Laboratories; DNA Sequencer; Literature .................................................. 428

The seasons understand that balance is the heart of change, And understanding that, the seasons always rearrange. Yet still the order seems as endless cycles round the sun, And when we think we’ve learned something, the lesson’s just begun.

[From “Lighten Up and Let It Go,” Bobby Bridger, © 1981 Stareyes Music (ASCAP), 7085 West 8th, Austin, Texas 78701; words used by permission; painting by George D. Boutwell, Jr., Austin] Texas longhorns at a waterhole. As the grazing industry developed at the turn of the century, the parasite Cochliomyia hominivorax became a major pest of livestock. Autocidal control of the pest has led to new problems. See page 361.