LETTERS
University Budget Cuts: A. B. Lovins and L. H. Lovins; Nuclear Tests: J. F. Evernden; EPA Funds: J. P. Horton

EDITORIAL
Scientists and Engineers in the World of Lawyers, Legislators, and Regulators: A. J. Harrison

ARTICLES
Optimization by Simulated Annealing: S. Kirkpatrick, C. D. Gelatt, Jr., M. P. Vecchi
Bone Cell Differentiation and Growth Factors: M. R. Urist, R. J. DeLange, G. A. M. Finerman
Toward a Theory of Bargaining: An Experimental Study in Economics: A. E. Roth

NEWS AND COMMENT
The Mysterious Expulsion of Steven Mosher
U.S.–India Project: Bold Plan, Few Dollars
Scientists Fault Charges of Soviet Cheating
Briefing: NRC Relents on Salem, Clears Plant for Restart; Astronomers Ponder a Catch-22; The Breeder: Selling the Unsalable?; Landsat Agonistes (Continued); Formaldehyde Ban Is Overturned

RESEARCH NEWS
Were Lucy’s Feet Made for Walking?
Fractional Quantum Numbers in Solids
Monkey Model of Parkinson’s Disease

AAAS NEWS
Call for Symposium Proposals—New York Meeting

BOOK REVIEWS
From Cyclotrons to Cytochromes, reviewed by H. Z. Sable; Bark Beetles in North American Conifers, F. Gould; The Ecology of Whales and Dolphins, R. R. Reeves; Axoplasmic Transport and Axoplasmic Transport in Physiology and Pathology, D. L. Wilson; Books Received
REPORTS

Photochemical Formation of Hydrogen Peroxide in Surface and Ground Waters Exposed to Sunlight: W. J. Cooper and R. G. Zika .................................................. 711

Adaptations for Climbing in North American Multituberculates (Mammalia): F. A. Jenkins, Jr., and D. W. Kause .......................................................... 712

The Effects of Direct-Current Magnetic Fields on Turtle Retinas in vitro: M. S. Raybourn .......................................................... 715

Single-Channel Fluctuations in Bimolecular Lipid Membranes Induced by Rat Olfactory Epithelial Homogenates: V. Vodyanoy and R. B. Murphy .................. 717

Formation in vitro of Sperm Pronuclei and Mitotic Chromosomes Induced by Amphibian Ooplasmic Components: M. J. Lohka and Y. Masui .................. 719

Ectopic Pro-Opiolipomelanocortin: Sequence of cDNA Coding for β-Melanocyte-Stimulating Hormone and β-Endorphin: C. R. DeBold et al. ................. 721

Formation of an Adenine-Thymine Photoadduct in the Deoxyribonucleoside Monophosphate (TpA) and in DNA: S. N. Bose et al. .......................... 723

Gene Transfer by Polyoma-Like Particles Assembled in a Cell-Free System: S. N. Sliity and H. V. Aposhian .................................................. 725

Passive Transfer of Diabetes in the BB/W Rat: S. Koevary et al. .................. 727

Monocyte Chemotaxis: Stimulation by Specific Exosite Region in Thrombin: R. Bar-Shavit et al. .................................................. 728

A Direct and Active Influence of Gravity on the Behavior of a Marine Invertebrate Larva: A. Pires and R. M. Wooliacott .................................................. 731

Social Stress and Atherosclerosis in Normocholesterolemic Monkeys: J. R. Kaplan et al. .................................................. 733

Parthenogenesis in the Endemic Australian Lizard Heteronotia binoei (Gekkonidae): C. Moritz .................................................. 735

Functional Organization of the Second Cortical Visual Area in Primates: R. B. H. Tootell et al. .................................................. 737


Evidence for Sensory-Selective Set in Young Infants: B. J. Anthony and F. K. Graham .................................................. 742


PRODUCTS AND MATERIALS

Chromatogram Processor; Vacuum Oven; Liquid Chromatograph; Peak Output Simulator for Data Systems; Ion Chromatography Module; Mathematics Software; Laboratory Microcomputer; Literature .................................................. 746

COVER

Restoration of a multituberculate based principally on a specimen of Ptilodus kummae from the late Paleocene of western North America. Ptilodus kummae possessed several specialized forms for climbing, including an unusual range of tarsal mobility characteristic of arboreal mammals that descended trees headfirst, with a divergent, grasping hallux, and a prehensile tail. See page 712. [L. L. Sadler, Biomedical Communications, University of Texas Health Center at Dallas 75235]