
EDITORIAL The Impact Statement—Part II: R. W. Peterson

ARTICLES Meteorological Consequences of Atmospheric Krypton-85: W. L. Boeck
An Expanded Approach to the Problem of Disappearing Species: N. Myers
Rotational Motion in Nuclei: A. Bohr

NEWS AND COMMENT Howard Hughes Medical Institute: In the Reclusive Tradition
Office of Technology Assessment: Bad Marks on Its First Report Cards
Recombinant DNA: Chimeras Set Free Under Guard
Briefing: Coastal Zone: $1.2-Billion Energy Impact Fund Approved; Toxic Pollutants: Court Approves Agreement
Nuclear Proliferation (II): Will Fallout Kill Domestic Recycle?

RESEARCH NEWS Nuclear Science: X-ray Evidence for Superheavy Elements
Hormone Receptors: New Clues to the Cause of Diabetes
BOOK REVIEWS

A Century of Chemistry, reviewed by C. S. Marvel; The Study of Trace Fossils, R. G. Johnson; Electron Transfer Chains and Oxidative Phosphorylation, D. E. Green; Vision in Fishes, R. G. Northcutt; Cholinergic Mechanisms, E. L. Cohen; Book Order Service

REPORTS

Intensity Dependence of the Fluorescence Lifetime of In vivo Chlorophyll Excited by a Picosecond Light Pulse: A. J. Campillo, V. H. Kollman, S. L. Shapiro


Total Synthesis Benzene and Its Derivatives as Major Gasoline Extenders: M. A. Tamers

Radioimmunoassay for Colchicine in Plasma and Urine: N. H. Ertel et al.


Fever: Effect of Drug-Induced Antipyresis on Survival: H. A. Bernheim and M. J. Kluger

Herbicide (2,4-D) Increases Insect and Pathogen Pests on Corn: I. N. Oka and D. Pimentel

Brainstem Neurons Without Spontaneous Unit Discharge: J. M. Siegel and D. J. McGinty


Copper Supplementation in Quaking Mutant Mice: Reduced Tremors and Increased Brain Copper: C. L. Keen and L. S. Hurley

Technical Comments: Neuroelectric Correlates of Conditioning: R. D. Hall; M. Gabriel, S. E. Saltwick, J. D. Miller

COVER

Coloration of gibbons. Pileated and lar gibbons have white hands and feet. Concolor gibbons shown are from Laos; males farther east are entirely black. Borneo is divided between two species of entirely different voice but having similar polymorphic coloration in endless variety. Arrows connect taxa with the same female song. See page 235. [Painting by Joe T. Marshall, Jr., U.S. Army Medical Component, SEATO]