LETTERS

Use of Energy: R. W. Jackson; P. K. Hanley; Ecology: P. B. Sears; Linear Algebra Problem: M. Tableson

EDITORIAL

Mass Transfer and Urban Problems: E. S. Savas

ARTICLES

Liquid Hydrogen as a Fuel for the Future: L. W. Jones


Education and Science in North Vietnam: A. W. Galston and E. Singer

NEWS AND COMMENT

Magruder in White House: SST Man Plans New Technology Take-Off

Cancer Legislation: Pro-NIH Bill Advances in House

Human Environment Conference: The Rush for Influence

The 1971 Nobel Prize for Medicine or Physiology: I. H. Pastan

RESEARCH TOPICS

Global Meteorology (II): Numerical Models of the Atmosphere

BOOK REVIEWS

Science in American Society and Science in America, reviewed by H. S. Miller; other reviews by P. F. Brussard, R. D. O'Brien, B. M. Carlson, W. A. Reynolds; Books Received

REPORTS


Hyperfine Zeeman Effect Atomic Absorption Spectrometer for Mercury: T. Hadeishi and R. D. McLaughlin
Riboflavin Photosensitized Oxidation of 2,4-Dichlorophenol: Assessment of Possible Chlorinated Dioxin Formation: J. R. Plimmer and U. I. Klingebiel .......................... 407

Dopamine: Release from the Brain in vivo by Amantadine: P. F. Von Voigtlander and K. E. Moore ................................................................. 408

Differences in the Distribution of Catecholamine Varicosities in Cat and Rat Reticular Formation: J. R. Sladek, Jr. .................................................. 410

Freezing and Melting of Lipid Bilayers and the Mode of Action of Nonactin, Valinomycin, and Gramicidin: S. Krasne, G. Eisenman, G. Szabo .................... 412

Morphological Basis for a Mechanical Linkage in Otolithic Receptor Transduction in the Frog: D. E. Hillman and E. R. Lewis ........................................... 416

Molecular Structure of Starch-Type Polysaccharides from Hericium ramosum and Hericium coralloides: D. A. McCracken and J. L. Dodd .......................... 419


Disposition of Morphine in Man: S. Spector and E. S. Vesel ......................................................... 421

Intestinal Secretion: Stimulation by Peptides: G. O. Barbezat and M. I. Grossman ..................... 422

Inhibition of Normal Growth by Chronic Administration of Δ-9-Tetrahydrocannabinol: F. J. Manning et al. .......................................................... 424

Growth Effects of Vanadium in the Rat: K. Schwarz and D. B. Milne ............................... 426

Social Behavior of Monkeys Selectively Depleted of Monoamines: D. E. Redmond, Jr., et al. ........ 428

Operant Conditioning of Specific Patterns of Neural and Muscular Activity: E. E. Fetz and D. V. Finocchio ......................................................... 431


ASSOCIATION AFFAIRS

Application of Science in the Management of National Parks: T. Sudia; Indicators of Environmental Quality: W. A. Thomas; Mineral Elements in the Food Chain: M. A. Farrell ........................................ 437

Ciliary tufts which protrude from the sensory surface of vestibular receptor cells are minute mechanical units. The ability of each tuft to deform the surface membrane of its receptor cell indicates a mechanism for transduction (×7000). See page 416. [D. E. Hillman, University of Iowa; E. R. Lewis, University of California, Berkeley.]
Science 174 (4007), 360-438.