LETTERS
A Scientist-Senator on Recombinant DNA Research: H. Schmitt

EDITORIAL
Public and Private Policies for R & D.

ARTICLES
Quantum Mechanics: The Key to Understanding Magnetism: J. H. Van Vleck
Irreversible Gene Repression Model for Control of Development: A. I. Caplan and C. P. Ordahl
Statistical Problems in ESP Research: P. Diaconis

NEWS AND COMMENT
NATO Builds a Better Battle Tank but May Still Lose the Battle.
Senate Approves a Permanent Ethics Commission.
Costs of Environmental Regulation Draw Criticism, Formal Assessment.
DOD Vacillates on Wisconsin Cryptography Work.

RESEARCH NEWS
Climate Control: How Large a Role for Orbital Variations?

BOOK REVIEWS
British Weights and Measures, reviewed by J. D. North; Radio Astronomy and Cosmology, H. Spinrad; Genetic Engineering for Nitrogen Fixation, P. S. Carlson; Books Received and Book Order Service

REPORTS
Investigation of Electron Tunneling Between Cytochrome c Peroxidase and Cytochrome c: M. J. Potasek

Monensin and the Prevention of Tryptophan-Induced Acute Bovine Pulmonary Edema and Emphysema: A. C. Hammond, J. R. Carlson, R. G. Breeze

Rise and Fall of Cyclic AMP Required for Onset of Lymphocyte DNA Synthesis: T. Wang, J. R. Sheppard, J. E. Foker

Microcirculation of the Spleen: An Open or Closed Circulation?: L.-T. Chen

Serologically Defined (SD) Locus in Cattle: B. Amorena and W. H. Stone

Loss of Hippocampal Theta Rhythm Results in Spatial Memory Deficit in the Rat: J. Winson

Sex Ratio and Local Resource Competition in a Prosimian Primate: A. B. Clark

The Stomach Signals Satiety: J. A. Deutsch, W. G. Young, T. J. Kalogeris

Avian Pollination Studies: A Simple Scanning Electron Microscopic Technique: J. D. Boeke and F. I. Ortiz-Crespo

Evoked Response Correlate of Symbol and Significate: E. Grastyán, E. R. John, F. Bartlett

Long-Term Treatment with Lithium Prevents the Development of Dopamine Receptor Supersensitivity: A. Pert et al.

Acute Effects of Alcohol on Auditory Brainstem Potentials in Humans: K. C. Squires, N.-S. Chu, A. Starr

Sympathetic Nervous Control of Cerebrospinal Fluid Production from the Choroid Plexus: M. Lindvall, L. Edvinsson, C. Owman


Products and Materials

Instrumentation Recorder; High-Performance Liquid Chromatograph; Automatic Clinical Analyzer; Nephelometer; Thermal Analysis and Mass Spectrometry; Tissue Freeze Dryer; Literature

Cover

Wild six-month-old bush baby (Gallago crassicaudatus umbrosus) grasps a branch of Acacia woodii from which she has just eaten an insect. Insects and gum from Acacia karroo comprise most of the diet for this population in the Northern Transvaal, South Africa. See page 163. [Anne Barrett Clark, University of California, Davis]