LETTERS

EDITORIAL
Data Evaluation: A Critical Activity: W. H. Stockmayer

ARTICLES
Homeokinetics: A Physical Science for Complex Systems: H. Soodak and A. Iberall
Economics of Nuclear Power: A. D. Rossin and T. A. Rieck
Need for Reform in Health Professions Accrediting: D. C. Brodie and R. P. Heaney

NEWS AND COMMENT
Pipeline Problems Exacerbate West Coast Oil Surplus
Briefing: Court Upholds Refusal To Be Medical Good Samaritan; Leaning over Backwards on a No-Politics Rule
Environmental Assessment Sought for Federal Actions Abroad
New Rulebook for Gene Splicers Faces One More Test

RESEARCH NEWS
Superconducting Electronics: Toward an Ultrafast Computer
Rickettsiae: A New Vaccine for Rocky Mountain Spotted Fever

BOOK REVIEWS
The Prehistory of Chalchuapa, El Salvador, reviewed by E. W. Andrews
Deserts of the World, M. Evenari; Mechanics and Energetics of Animal Locomotion, J. T. Stern; Books Received

REPORTS
Military Uses of Uranium: Keeping the U.S. Energy Accounts: K. R. Smith
Temperatures of Desert Plants: Another Perspective on the Adaptability of Leaf Size: W. K. Smith ............................................. 614


Experiments with Controlled Langmuir Circulations: A. J. Faller ................................................................. 618

Left Ventricular Receptors Inhibit Brain Serotonin Neurons During Coronary Artery Occlusion: M. J. Sole et al ............................................. 620

Cryoprecipitate Reversal of Opsonic α-Surface Binding Glycoprotein Deficiency in Septic Surgical and Trauma Patients: T. M. Saba et al ............................................. 622

Skin Color and Nutrient Photolysis: An Evolutionary Hypothesis: R. F. Branda and J. W. Eaton ............................................. 625

Tentaculites: Evidence for a Brachiopod Affinity?: K. M. Towe ................................................................. 626

Lymphocyte Ecto-5'-Nucleotidase Deficiency in Agammaglobulinemia: N. L. Edwards et al ............................................. 628

Isopod and Insect Root Borers May Benefit Florida Mangroves: D. Simberloff, B. J. Brown, S. Lowrie ............................................. 630


Terminal Arbors of Axons That Have Formed Abnormal Connections: J. A. Robson, C. A. Mason, R. W. Guillery ............................................. 635

Lead Exposure During Infancy Permanently Increases Lithium-Induced Polydipsia: R. B. Mailman et al ............................................. 637

Human Auditory Frequency-Following Responses to a Missing Fundamental: J. C. Smith et al ............................................. 639

Symbolic Communication Between Two Chimpanzees (Pan troglodytes): E. S. Savage-Rumbaugh, D. M. Rumbaugh, S. Boysen ............................................. 641

Genetic Basis of XX Male Syndrome and XX True Hermaphroditism: Evidence in the Dog: J. R. Selden et al ............................................. 644

Morphological Alterations in Hippocampus After Long-Term Alcohol Consumption in Mice: J. N. Riley and D. W. Walker ............................................. 646

Aminophylline Increases Cerebral Metabolic Rate and Decreases Anoxic Survival in Young Mice: J. H. Thurston, R. E. Hauhart, J. A. Dirgo ............................................. 649

Stimulated DNA Synthesis in Frog Nuclei by Cytoplasmic Extracts of Temperature-Sensitive Mammalian Cells: J. Floros, H. Chang, R. Baserga ............................................. 651

**COVER**

Variation in leaf size and pubescence for the desert shrub Encelia farinosa following a rapid growth period. The larger, less pubescent leaves developed soon after rain, followed by much smaller, highly pubescent leaves which develop as the soil dries out. These rapid changes in leaf morphology have significant effects on leaf temperature and water-use efficiency. See page 614. [William K. Smith, Botany Department, University of Wyoming, Laramie]