LETTERS
Recombinant DNA Research: Proposed Revised Guidelines: W. J. Gartland, Jr.;
Human Rights in Argentina: J. H. Coleman; The Image on the Shroud:
C. S. Smith; Human Cloning: An Apathetic View: J. J. Swetnam

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 V;
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
Evolution of a Nitrogen Atmosphere on Titan: S. K. Atreya, T. M. Donahue,
W. R. Kuhn
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 $\alpha_2$-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]