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 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
Temperatures of Desert Plants: Another Perspective on the Adaptability of Leaf Size: W. K. Smith .................................................. 614
Experiments with Controlled Langmuir Circulations: A. J. Fallar .................................................. 618
Left Ventricular Receptors Inhibit Brain Serotonin Neurons During Coronary Artery Occlusion: M. J. Sole et al. .................................................. 620
Cryoprecipitate Reversal of Opsonic α2-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