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

ARD OF DIRECTORS
EMILIO Q. DADDARIO, Retiring President, Chairman
EDWARD E. DAVID, JR., President
KENNETH E. BOULDING, President-Elect
ELOISE E. CLARK, MARTIN M. CUMMINGS, RENÉE C. FOX, EDWARD E. GIFFORD

AIMEN AND CREATORIES OF AS SECTIONS
MATHMATICS (A)
Mark Kac
Ronald Graham

PHYSICS (B)
D. Allan Bromley
Rolf M. Sinclair

SOCIAL AND ECONOMIC SCIENCES (K)
Zurn W. Barts
Gillian Linnio

HISTORY AND PHILOSOPHY OF SCIENCE (L)
Robert S. Cohen
Dina L. Hall

PHARMACEUTICAL SCIENCES (S)
John G. Wagner
Raymond Jang

INFORMATION, COMPUTING, AND COMMUNICATION (T)
Eugene Garfield
Madeline M. Henderson

VISIONS
ALASKA DIVISION
Chief: Donald H. Rosenberg
PACIFIC DIVISION
Chief: Keith B. Mather
SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
Chief: Glenn C. Lewis

Printed in the U.S.A.
Copyright © 1978 by the American Association for the Advancement of Science.
Temperatures of Desert Plants: Another Perspective on the Adaptability of Leaf Size: W. K. Smith


Experiments with Controlled Langmuir Circulations: A. J. Faller

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

Cryoprecipitate Reversal of Opsonic α2-Surface Binding Glycoprotein Deficiency in Septic Surgical and Trauma Patients: T. M. Saba et al.

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

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

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

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


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

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

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

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

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

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

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

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

**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]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  
Visit the online version of this article to access the personalization and article tools:  
[http://science.sciencemag.org/content/201/4356.citation](http://science.sciencemag.org/content/201/4356.citation)

**Permissions**  
Obtain information about reproducing this article:  
[http://www.sciencemag.org/about/permissions.dtl](http://www.sciencemag.org/about/permissions.dtl)