LETTERS

EDITORIAL
Discovery and Evaluation of Resources

ARTICLES
Diffusion and Chemical Transformation: P. B. Weisz
Actomyosin-Like Protein in Brain: S. Berl, S. Puskin, W. J. Nicklas
What's Wrong with Plastic Trees?: M. H. Krieger

NEWS AND COMMENT
Science in Government: Outline of New Team Emerges
Federal Science: Filling the Blanks in Policy and Personnel
Box Score: Hired, Fired, Retired
Science Adviser's Exit: What Does It Mean for Science Policy?
Jason Division: Defense Consultants Who Are Also Professors Attacked

RESEARCH NEWS
The New Mars: Volcanism, Water, and a Debate over Its History

BOOK REVIEWS
The Serengeti Lion, reviewed by E. O. Wilson; Biological Fixation of Atmospheric Nitrogen, R. W. F. Hardy and R. C. Burns; Theory of the Unmagnetized Plasma and Theory of Fully Ionized Plasmas, B. D. Fried; Robust Estimates of Location, K. Takeuchi; Aphid Technology, J. B. Kring

REPORTS
Pumice from Thera (Santorini) Identified from a Greek Mainland Archeological Excavation: G. Rapp, Jr., S. R. B. Cooke, E. Henrickson
2,3,7,8-Tetrachlorodibenzo-p-dioxin: A Potent Inducer of 8-Aminolevulinic Acid Synthetase: A. Poland and E. Glover .............................. 476
Lower pH Limit for the Existence of Blue-Green Algae: Evolutionary and Ecological Implications: T. D. Brock .............................. 480
Struvite and Prebiotic Phosphorylation: G. J. Handschuh and L. E. Orgel .......... 483
Plant Taxonomy: Ultraviolet Patterns of Flowers Visible as Fluorescent Patterns in Pressed Herbarium Specimens: T. Eisner et al. .......... 486
Pheromone Concentration as a Mechanism for Reproductive Isolation between Two Lepidopterous Species: R. S. Kaes, H. H. Shorey, L. K. Gaston .............. 487
Lack of Tolerance to Δ9-Tetrahydrocannabinol in Chimpanzees: D. P. Ferraro and D. M. Grilly ........................................ 490
Sexual Behavior in Rhesus Monkeys after Vasectomy: C. H. Phoenix .......... 493
Cytidyllic Acid “a” Trihydrate: Structure and Conformation: G. Kartha, G. Ambady, M. A. Viswanathira .......... 495
Polar Desert Adaptations of a High Arctic Plant Species: J. A. Teeri .......... 496
Motor Cortex Reflexes Associated with Learned Movement: E. V. Evans .......... 501

COVER

Swiss Family Robinson Treehouse, Disneyland, California. The tree has 150,000 handmade leaves and blossoms; its steel roots extend 40 feet below ground. See “What's wrong with plastic trees?,” page 446. [Disneyland, Anaheim, California]