LETTERS

EDITORIAL
Scientists' Responsibility for Public Information: C. B. Raleigh

ARTICLES
Selection by Consequences: B. F. Skinner
Laser Microsurgery in Cell and Developmental Biology: M. W. Berns et al.
Biomass as a Source of Chemical Feedstocks: An Economic Evaluation: B. O. Palsson et al.

NEWS AND COMMENT
Nutrition Research: End of an Empire
Keyworth to Review Space Program
Reagan Energy Plan Reluctantly Unveiled
Brain of Einstein Continues Peregrinations
Reagan Outlines Nonproliferation Policy

Briefing: Drug Shows Promise Against Herpes; For Sale: A Billion Acres of Outer Continental Shelf; UC Regents Extend Weapons Lab Agreement; Chilean Physicians Released; Science Board Cautiously Supports Social Research; Iraq to Rebuild Reactor

RESEARCH NEWS
Malathion Threat Debunked
Earthquake Prediction Retracted
CERN Council Defers LEP Approval

BOOK REVIEWS
Harvey and the Oxford Physiologists, reviewed by T. S. Hall; Environmental Physiology of Fishes, J. N. Cameron; Parmana, O. F. Linares; The Hurricane and its Impact, K. A. Anthes; Dynamics of the Upper Atmosphere, J. M. Forbes; Books Received

REPORTS
Initial Effects of Ashfall from Mount St. Helens on Vegetation in Eastern Washington and Adjacent Idaho: R. N. Mack
Mount St. Helens Eruption of 18 May 1980: Air Waves and Explosive Yield: W. L. Donn and N. K. Balachandran
Rapid Massive Assembly of Tight Junction Strands: B. Kachar and P. Pinto da Silva ............................................ 541
Diketopiperazine Formation During Investigations of Amino Acid Racemization in Dipptides: Š. Steinberg and J. L. Bada ............................................. 544
Benzodiazepine Inhibition of the Calcium-Calmodulin Protein Kinase System in Brain Membrane: R. J. DeLorenzo, S. Burdette, J. Holderness. .......... 546
Nullisomic Tetrahymanas: Eliminating Germlinal Chromosomes: P. J. Bruns and T. E. B. Brussard ................................................................. 549
Diameter of the Cell-to-Cell Junctional Membrane Channels as Probed with Neutral Molecules: G. Schwarzmann et al. ........................................ 551
Falciparum Malaria-Infected Erythrocytes Diketopiperazine Formation to Estradiol in Skin: F. W. George, J. F. Noble, J. D. Wilson .................. 557
Female Feathering in Sebright Cocks Is Due to Conversion of Testosterone to Estradiol in Skin: F. W. George, J. F. Noble, J. D. Wilson ........ 557
Copper Deficiency Suppresses the Immune Response in Mice: J. R. Prohaska and O. A. Lukasewycz ............................................................. 559
Role of Golgi Apparatus in Sorogenesis by the Cellular Slime Mold Fonticula alba: M. C. Deasey and L. S. Olive ........................................... 561
Mesenchymal Cells from the Human Embryonic Palate Are Highly Responsive to Epidermal Growth Factor: T. Yoneda and R. M. Pratt .................. 563
Tumor-Induced Anorexia in the Wistar Rat: J. P. Mordes and A. A. Rossini .... 565
Pentapeptide (Proctolin) Associated with an Identified Neuron: M. O'Shea and M. E. Adams ................................................................. 567
Thyroidectomy Increases Rat Hepatic Ferritin Iron: J. C. Winkelmann et al. .... 569
Early Removal of One Eye Reduces Normally Occurring Cell Death in the Remaining Eye: D. R. Senegaub and B. L. Finlay ........ 573
Ethanol Tolerance in the Rat Is Learned: J. R. Wenger et al. ................................................................. 575
Environmental Sex Determination: Interaction of Temperature and Genotype in a Fish: D. O. Conover and B. E. Kynard ........................................ 577
The AF64A-Treated Mouse: Possible Model for Central Cholinergic Hypofunction: C. R. Mantione, A. Fisher, I. Hanin ....................................... 579
Δ²-Tetrahydrocannabinol Increases Plasma Testosterone Concentrations in Mice: S. Dallerio, A. Bartke, D. Mayfield .............................................. 581
Tolerance and Cross-Tolerance in Chronic Alcoholics: Reduced Membrane Binding of Ethanol and Other Drugs: H. Rottenberg, A. Waring, E. Rubin... 583
Technical Comment: Radiation Doses from Mount St. Helens 18 May 1980 Eruption: J. K. Soldat et al. ................................................................. 585

COVER
Computer-pseudocolor-enhanced video images of red blood cells following placement of a 2-micrometer laser lesion (dark spots in black-and-white photo). Different color enhancements bring out specific detail not detectable by conventional microscopy. Note small white spot (0.4 micrometer) in red enhancements; this is a hot spot in center of laser lesion not detectable in black-and-white photo. See page 505. [Michael W. Berns, Department of Developmental and Cell Biology, University of California, Irvine 92717]