LETTERS
Nuclear Waste Management: M. Resnikoff; R. O. Pohl; Solar Eclipses and Ancient Artistic Motifs: R. M. Sinclair

EDITORIAL
International Conferences and Tax Reform: L. M. Branscomb

ARTICLES
Laser Enrichment of Uranium: The Proliferation Connection: A. S. Krass
Cardiac Pacemaking: An Obligatory Role of Catecholamines?: G. H. Pollock

NEWS AND COMMENT
National Academy of Sciences: How the Elite Choose Their Peers
Califano Takes Richmond
NAS Elects 60 New Members
Academy to Campaign Publicly for Oppressed Scientists
Briefings: Will Science Adviser Suffer in Shuffle?; Congress Rescues Military Med School
ERDA Laboratories: Los Alamos Attracts Some Special Attention
Critics Seek "Conversion" of Labs

RESEARCH NEWS
Elusive Quarks: Hints of Two from a Stanford Experiment
Hormone Receptors: How Are They Regulated
Call for Contributed Papers: A. Herschman; Instructions for Contributors

The NSF: Past and Present Issues: S. A. Lakoff; other reviews by J. Guthrie, J. L. Heilbron

Unfoldings of Mental Life: N. K. Humphrey; other review by J. H. Kaas

The Play by Nature: W. D. Hamilton

A Setting for Cultural Evolution: K. V. Flannery; other review by B. J. Williams

Measuring the Effects of Education: B. Heyns

Cognition and Social Behavior: M. R. Lepper; other reviews by S. H. White, C. Trevarthen

Personal Recollections: J. T. Edsall; other reviews by S. J. Counce, R. E. Kane

Jodrell Bank and Cambridge: D. J. Kevles; other reviews by R. D. Richtmyer, E. J. Wampler, J. R. Heirtzler, P. Colinvaux, R. N. Ginsburg

On the Uses of Rigorous Proof: P. Kitcher; other reviews by T. L. Hankins, M. T. Ghiselin


Books Received and Book Order Service

Oscilloscope Recording System; Rodent Skinner Box; Sample Processor for Tissue Culturing; Automatic Particle or Cell Electrophoresis; Automated Electrophoresis and Sedimentation Separations; High-Speed Motion Picture Camera; Reversed-Phase Thin-Layer Chromatography; Digital Compass; Literature

An example of "growth under difficulties," from a communication by Charles Darwin published in the Gardener's Chronicle, 29 December 1877. Darwin wrote, "The enclosed branch of Cotyledon (Echeveria stolonifera) was cut from a plant growing in my greenhouse, and was suspended on August 10 in my study.... It has sent out two fine flowering stems which... have bent upwards.... They have now (December 6) begun to flower.... [T]he specimen weighed on September 1 45.46 grammes, on December 6 36.94 grammes, so that its growth has continued in spite of a considerable loss of water." [From The Collected Papers of Charles Darwin, reviewed on page 784]