LETTERS
State and Local Science Policy: R. P. Nalesnik; D. O. Jermain; Research Management and Government Accounting: J. W. Halley; Nobel Prize in Physiology or Medicine: J. Meites; Congressional Fellowship Stipend Raised for 1978: R. A. Scribner

EDITORIAL
Research Opportunities in Fossil Fuels: E. E. David, Jr.

ARTICLES
Structure and Properties of Metallic Glasses: P. Chaudhari and D. Turnbull
Population, Food Intake, and Fertility: R. E. Frisch

NEWS AND COMMENT
Gene-Splicing Rules: Another Round of Debate
Photocopying: New Copyright Law Changes the Ground Rules
Peat for Fuel: Development Pushed by Big Corporate Farmer in Carolina

RESEARCH NEWS
Position-Sensitive Detectors: An "Electronic Film" for X-rays
Information Theory: A Surprising Proof

AAAS NEWS
AAAS Sections, Affiliates, Committees Plan Annual Meeting Events; AAAS Socio-Psychological Prize; SB&F Needs Reviewers; I See What You're Saying; Amendment to AAAS Constitution; Deans Review Short Courses: J. M. Dasbach

ANNUAL MEETING
Science and Technology: New Tools, New Dimensions: A. Herschman; Meeting Information; Preconvention Program
BOOK REVIEWS  Patterns of Evolution as Illustrated by the Fossil Record, reviewed by R. E. Ricklefs; The Evolving Continents, J. F. Dewey; Genetics of Human Cancer, N. B. Atkin .......................... 58

REPORTS  Viking First Encounter of Phobos: Preliminary Results: R. H. Tolson et al. ........ 61

The Composition of Phobos: Evidence for Carbonaceous Chondrite Surface from Spectral Analysis: K. D. Pang et al. .................. 64

Multicolor Observations of Phobos with the Viking Lander Cameras: Evidence for a Carbonaceous Chondritic Composition: J. B. Pollack et al. .... 66

Genetic Defect in Biosynthesis of the Precursor Form of the Fourth Component of Complement: R. E. Hall and H. R. Colen ....................... 69

Antibody-Dependent Lymphocytotoxicity Induced by Immunoglobulin G from Hodgkin’s Disease Splenic Lymphocytes: R. L. Longmire et al. ........ 71

Mutagenicity of Filtrates from Respirable Coal Fly Ash: C. E. Chrisp, G. L. Fisher, J. E. Lammert ........................................... 73

Pierce’s Disease of Grapevines: Isolation of the Causal Bacterium: M. J. Davis, A. H. Purcell, S. V. Thomson .................................. 75

Thyroid Gangliosides with High Affinity for Thyrotropin: Potential Role in Thyroid Regulation: B. R. Mullin et al. .................. 77

Deficiencies of Glucosamine-6-Sulfate or Galactosamine-6-Sulfate Sulfatases Are Responsible for Different Mucopolysaccharidoses: N. Di Ferrante et al. ...................... 79

Somatically Evoked Magnetic Fields of the Human Brain: D. Brenner et al. .............. 81

Melatonin Content of the Human Pineal Gland: A. C. Greiner and S. C. Chan .................. 83


Superstition: A Matter of Bias, Not Detectability: P. R. Killeen ....................... 88

Phenobarbital: Effects of Long-Term Administration on Behavior and Brain of Artificially Reared Rats: J. Diaz and R. J. Schain .......................... 90
