EDITORIAL
Improvement of Grain Crops

ARTICLES
Mass Mortality and Its Environmental and Evolutionary Consequences: K. J. Hsü et al.
Genetic Mapping in Mammals: Chromosome Map of Domestic Cat: S. J. O'Brien and W. G. Nash
The Most Distant Known Galaxies: R. G. Kron

NEWS AND COMMENT
Air Force Takes Aim at a Big Bird
Accident Stalls Test at CERN
Soviet Radwaste Spill Confirmed
EPA Relaxes Hazardous Waste Rules
Briefing: Jet Propulsion Lab Director to Resign; Reagan Signs Order on Classification; Health Coalition Backs Stronger Warning Labels; Heroin, Morphine Found Comparable as Pain-Killer; Monsanto Awards $4 Million Grant
NASA Struggles with Space Shuttle Pricing
Audit May Cost UC Millions

RESEARCH NEWS
The New Technology Telescopes
Astronomy and Astrophysics for the 1980's
Monoclonal Antibodies in Cancer
The Volcano Behaves Itself—Sort Of

BOOK REVIEWS
Evolution Today, reviewed by J. L. Patton; The Second Workshop on Grand Unification, G. Segre; Animal Migration, H. Dingle; Thomas Alva Edison, J. M. Staudenmaier; Structural Aspects of Recognition and Assembly in Biological Macromolecules: J. P. Glusker; Books Received

REPORTS
Mercury Content of Equisetum Plants Around Mount St. Helens One Year After the Major Eruption: B. Z. Siegel and S. M. Siegel
Comet Encke: Radar Detection of Nucleus: P. G. Kamoun et al. 293
Differential Lead Retention in Zircons: Implications for Nuclear Waste Containment: R. V. Gentry et al. 296
Human Immunoglobulin Heavy Chain Genes Map to a Region of Translocations in Malignant B Lymphocytes: I. R. Kirsch et al. 301
Role of Vitamin B12 in Methyl Transfer for Methane Biosynthesis by Methanosarcina barkeri: J. M. Wood et al. 303
Interaction of Brain Synaptic Vesicles Induced by Endogenous Ca2+-Dependent Phospholipase A2: N. Moskowitz, W. Schook, S. Fuszkin 305
X-ray Induction of Persistent Hypersensitivity to Mutation: J. P. Frank and J. R. Williams 307
Somatic Mutation in Genes for the Variable Portion of the Immunoglobulin Heavy Chain: J. Sims et al. 309
Decreased Insulin Receptors but Normal Glucose Metabolism in Duchenne Muscular Dystrophy: R. De Pirro et al. 311
Mycoplasma pneumoniae Infection: Role of a Surface Protein in the Attachment Organelle: P. C. Hu et al. 313
Cannabinoids in Male Mice: Effects on Fertility and Spermatogenesis: S. Dalterio et al. 315
Serotonin Analog Selectively Ablates Identified Neurons in the Leech Embryo: J. C. Glover and A. P. Kramer 317
Dispersal by Swarming in a Social Spider: Y. D. Lubin and M. H. Robinson 319
Recovery of Olfactory Function After Bilateral Bulbectomy: J. W. Wright and J. W. Harding 322
Oxygen Delivery to the Brain Before and After Birth: M. D. Jones, Jr., et al. 324

PRODUCTS AND MATERIALS

Laboratory Integrator; Software for Scientific Files; Electrophoresis Transfer Power Supply; Vibration Isolation; Particle Detector; Densitometer; Human Fibroblast Interferon; Literature 326
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/216/4543.citation

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