LETTERS

EDITORIAL
Policy for Ocean Resource Development: W. S. Gaither .............. 383

ARTICLES
The Status of the Gene Map of the Human Chromosomes: V. A. McKusick and F. H. Ruddle ............... 390

NEWS AND COMMENT
Carter's New Plutonium Policy: Maybe Less Than Meets the Eye ......... 405
Particle Beams as ABM Weapons: General and Physicists Differ ......... 407
Soil Erosion: The Problem Persists Despite the Billions Spent on It ...... 409
Science Adviser Press: First Hints of How He Is Doing ................. 412

RESEARCH NEWS
Malaria: Resurgence in Research Brightens Prospects ................. 413
Animal Viruses: Probes of Cell Function .................. 417

BOOK REVIEWS
Herbicides, reviewed by A. W. Galston; The Nervous System, J. G. Hildebrand; Marine Sediment Transport and Environmental Management, R. H. Meade; Microtubules and Microtubule Inhibitors, J. B. Olmsted; Books Received and Book Order Service ......... 419

REPORTS
Visual Observations of the Sea Floor Subduction Line in the Middle-America Trench: B. C. Heezen and M. Rawson .......... 423
Elemental Sulfur: Accumulation in Different Species of Fungi: R. Pezet and V. Pont .................. 428
Cucumber Mosaic Virus Associated RNA 5: Causal Agent for Tomato Necrosis: J. M. Kaper and H. E. Waterworth .......................... 429
A Luminous Bacterium That Emits Yellow Light: E. G. Ruby and K. H. Nealon .................. 432
Chemotaxis of Rhizobium spp. to a Glycoprotein Produced by Birdsfoot Trefoil Roots: W. W. Currier and G. A. Strobel .......................... 434
Incompatibility on Brassica Stigmas Is Overcome by Treating Pollen with Cycloheximide: T. E. Ferrari and D. H. Wallace .................. 436
In vitro Growth of Imaginal Disks from Drosophila melanogaster: K. T. Davis and A. Shearn .................. 438
Tris Buffer Attenuates Acetylcholine Responses in Aplysia Neurons: W. A. Wilson, M. T. Clark, T. C. Pellmar .................. 440
Major Innervation of Newborn Rat Cortex by Monoaminergic Neurons: J. T. Coyle and M. E. Molliver .................. 444
Assortative Mating by Unwed Biological Parents of Adopted Children: R. Plomin, J. C. DeFries, M. K. Roberts .................. 449
Monosodium Glutamate Administration to the Newborn Reduces Reproductive Ability in Female and Male Mice: W. J. Pizzi, J. E. Barnhart, D. J. Fanslow .................. 452
Chromatic Organization of Primate Cones: R. E. Marc and H. G. Sperling .................. 454

PRODUCTS AND MATERIALS

Glucose, Blood Urea Nitrogen, Creatinine Analyzer; Bench-Top Centrifuge; Catecholamine Analyzer; Blood Lead Analyzer; Gamma Counter; Synthetic Human Calcitonin; Literature .......................... 458

COVER

Tomato plant afflicted with a lethal necrotic disease, which is probably the same as that which (in 1972) annihilated the field tomato crop in the French Alsace. Causal agent is a small RNA encapsidated within cucumber mosaic virus, dependent for its replication on, but not part of, the viral genome. See page 429. [J. M. Kaper, Plant Protection Institute, Agricultural Research Service, Department of Agriculture, Beltsville, Maryland]
Science 196 (4288), 372-464.