LETTERS

ARTICLES
Geology and the New Conservation Movement: P. T. Flawn
Geologists, conspicuous by their absence from today's conservation groups, can make a contribution.

Mariner IV: Developing the Scientific Experiment: G. A. Reiff
Attention to detail and continuous tests at all stages were responsible for the success of the mission.

Heterochromatin: S. W. Brown
Heterochromatin provides a visible guide to suppression of gene action during development and evolution.

NEWS AND COMMENT

Report from Europe: EMBO Gets a Modest Green Light: Physicist Named to Académie Française; John Maddox Succeeds Brimble; British Oceanographer Dies: V. K. McElheny

BOOK REVIEWS

REPORTS
Mercury: Anomalous Absence from the 3.4-Millimeter Radio Emission of Variation with Phase: E. E. Epstein

Endocarditis in Mice Infected with Coxsackie Virus B4: G. E. Burch et al.
Atlantic Deep-Sea Stratigraphy: Extension of Absolute Chronology to 320,000 Years: T.-L. Ku and W. S. Broecker

High-Speed, Time-Resolved Spectrum of a Lightning Stroke: R. E. Orville

Hormone-Induced Repression of a Peroxidase Isozyme in Plant Tissue: R. Ockerse, B. Z. Siegel, A. W. Galston

Radium Isotope Accumulation in Animal Thyroids: L. Van Middlesworth et al.

Trehalase from Dictyostelium discoideum: Purification and Properties: C. Ceccarini

Blood Oxygen and Ecology of Porpoises of Three Genera: S. H. Ridgway and D. G. Johnston

Hyperphagia in Ruminants Induced by a Depressant: C. A. Baile and J. Mayer

Serum Concentration: Effects on Cycle and X-ray Sensitivity of Mammalian Cells: G. M. Hahn and M. A. Bagshaw

Patterns of Alkaline Phosphatase in Developing Drosophila: H. Schneiderman, W. J. Young, B. Childs

Transverse Gradient Electrophoresis: Protein Homogeneity Test and Subfractionation Technique: C. A. Dubbs

Tabashir: An Opal of Plant Origin: L. H. P. Jones, A. A. Milne, J. V. Sanders


Salt Transport Organelle in Artemia salina (Brine Shrimp): E. Copeland

Restoration of Gamma Globulin Production in Agammaglobulinemic Chickens: M. D. Cooper, M. L. Schwartz, R. A. Good

Autoimmune Encephalomyelitis and Ocular Lesions in Monkeys Sensitized during the Neonatal Period: S. H. Stone et al.

Weaning of Young Rats: Effect of Time on Behavior: V. Nováková

Free-Ranging Rhesus Monkeys: Age and Sex Differences in Individual Activity Patterns: W. A. Draper

Technical Comments: Galactose Metabolism: W. E. Razzell; H. M. Kalckar

MEETINGS

Enzyme Regulation in Mammalian Tissues: G. Weber; Catecholamine Symposium: S. Udenfriend; Forthcoming Events

COVER

Intense summer thunderstorms produce brilliant luminous flashes. These flashes, composed of one or more strokes, are usually studied on a time scale measured in milliseconds. However, recently the first photographic record of spectral emissions on a microsecond time scale was obtained with a high-speed, slitless spectograph. See page 451. [Richard E. Orville, University of Arizona]