
EDITORIAL  Desalination of Water ........................................ 1533

ARTICLES  Organisms and Molecules in Evolution: G. G. Simpson ...................... 1535
Studies of evolution at the molecular level lead to greater understanding and a balancing of viewpoints.

Geology of the Crust and Mantle, Western United States: G. A. Thompson and M. Talwani ........................................ 1539
Geophysical data reveal a thin crust and anomalous upper mantle characteristic of active regions.

Social and endocrine factors are integrated in the regulation of growth of mammalian populations.

NEWS AND COMMENT  Scientists and Engineers in the Presidential Campaign II—Centers of Excellence ........................................ 1561

BOOK REVIEWS  Greece and Rome: The Molds of Western Civilization: S. S. Weinberg ...................... 1567
Worlds Without Ends, reviewed by E. A. Shneour; other reviews by W. V. Doering, R. N. Varney, F. A. Graybill, L. C. Craig, V. Klee ........................................ 1568

REPORTS  Modern Graywacke-Type Sands: C. D. Hollister and B. C. Heezen .................. 1573
Marshes Prograding in Oregon: Aerial Photographs: C. L. Johannessen .................. 1575
Ancient Copper and Copper-Arsenic Alloy Artifacts: Composition and Metallurgical Implications: C. A. Key .............................. 1578
DDT Antagonism to Dieldrin Storage in Adipose Tissue of Rats: J. C. Street

Sequential Gene Action in the Establishment of Lysogeny: M. Levine and H. O. Smith

Induction of Conjugation by Cell-Free Preparations in Paramecium multimicronucleatum: A. Miyake

Mitomycin C: Effect on Ribosomes of Escherichia coli: H. Suzuki and W. W. Kilgore

Methylurea and Acetamide: Active Reabsorption by Elasmobranch Renal Tubules: B. Schmidt-Nielsen and L. Rabinowitz

Inulin and Albumin Absorption from the Proximal Tubule in Necturus Kidney: W. N. Scott et al.

Anesthesia for the Bottlenose Dolphin, Tursiops truncatus: E. L. Nagel, P. J. Morgane, W. L. McFarland

Protein Structure Relationships Revealed by Mutational Analysis: C. Yanofsky, V. Horn, D. Thorpe

Reaction Time to Cortical Stimulation: J. Miller and M. Glickstein

Telemetry of Homing Behavior by the Deermouse, Peromyscus: K. S. Rawson and P. H. Hartline

Luminous Figures: Factors Affecting the Reporting of Disappearances: J. R. Schuck, T. C. Brock, L. A. Becker

Comments on Reports: Discriminative Avoidance Training of Rats: F. R. Brush and H. M. B. Hurwitz

MEETINGS


DEPARTMENTS

New Products

COVER

Onyx came with relief of the Roman imperial eagle. The eagle became an emblem of the might of Rome when Marius in 104 B.C. had silver eagles mounted on the standards of the Roman legions. The loss of such a standard was regarded as a grave disaster; sometimes the legion was disbanded because of it. See review of The Birth of Western Civilization, page 1567. [Kunsthistorisches Museum, Vienna; Erwin Meyer]