LETTERS

ARTICLES
Organisms and Molecules in Evolution: G. G. Simpson 
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 
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.

BOOK REVIEWS
Greece and Rome: The Molds of Western Civilization: S. S. Weinberg 

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 

REPORTS
Modern Graywacke-Type Sands: C. D. Hollister and B. C. Heezen 


Marshes Prograding in Oregon: Aerial Photographs: C. L. Johannessen 

Ancient Copper and Copper-Arsenic Alloy Artifacts: Composition and Metallurgical Implications: C. A. Key 

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

EDITORSIAL
Desalination of Water
DDT Antagonism to Dieldrin Storage in Adipose Tissue of Rats:  J. C. Street ................................. 1580
Sequential Gene Action in the Establishment of Lysogeny:  M. Levine and H. O. Smith .......................... 1581
Induction of Conjugation by Cell-Free Preparations in Paramecium multimicronucleatum:  A. Miyake ........................................ 1583
Mitomycin C:  Effect on Ribosomes of Escherichia coli:  H. Suzuki and W. W. Kilgore .......................... 1585
Methyurea and Acetamide:  Active Reabsorption by Elasmobranch Renal Tubules:  
B. Schmidt-Nielsen and L. Rabinowitz ...................................................... 1587
Inulin and Albumin Absorption from the Proximal Tubule in Necturus Kidney:  
W. N. Scott et al. ........................................................................................................ 1588
Anesthesia for the Bottlenose Dolphin, Tursiops truncatus:  E. L. Nagel, P. J. Morgane, W. L. McFarland .................. 1591
Protein Structure Relationships Revealed by Mutational Analysis:  C. Yanofsky, V. Horn, D. Thorpe .................................................. 1593
Reaction Time to Cortical Stimulation:  J. Miller and M. Glickstein .................................................... 1594
Telemetry of Homing Behavior by the Deermouse, Peromyscus:  K. S. Rawson and P. H. Hartline .......................... 1596
Luminous Figures:  Factors Affecting the Reporting of Disappearances:  
J. R. Schuck, T. C. Brock, L. A. Becker ........................................................................ 1598
Comments on Reports:  Discriminatory Avoidance Training of Rats:  
F. R. Brush and H. M. B. Hurwitz ........................................................................... 1599

MEETINGS

Agricultural Meteorology:  R. F. Dale;  Orbits in the Solar and Stellar Systems:  D. Brouwer;  
Virus Infections in Cold-Blooded Vertebrates:  K. Wolf;  Thin Films:  
Nucleation, Growth, and Structure:  C. A. Neugebauer;  Learning, Remembering, and Forgetting:  D. Kimble;  
Radio Astronomy:  S. J. Goldstein, Jr.;  
Optics—An Action Program:  V. Z. Williams;  Forthcoming Events ........................................ 1601

DEPARTMENTS

New Products .................................................................................................................. 1617

COVER

Onyx cameo 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]