LETTERS
Anecdotal Evidence: J. Vaage; Argonne's Role: S. D. Freeman; B. I. Spinrad; Funding Basic Research: C. S. Russell; D. Stetten, Jr.; Marihuana and Motivation: G. Marx; E. L. Abel; Freedom of Information: W. A. Shurcliff

EDITORIAL
A Bubble in the Educational Pipeline: B. Vetter

ARTICLES
The Crisis about the Origin of Irreversibility and Time Anisotropy: B. Gal-Or
Strategies of Mutual Deterrence: R. H. Kupperman and H. A. Smith

NEWS AND COMMENT
National Environmental Policy Act: Signs of Backlash Are Evident
Sperm Banks Multiply as Vasectomies Gain Popularity
BBS: Agency Controverses Its Own Regulations
Navy F-14: New Fighter's Cost, Sophistication, Stir Controversy

BOOK REVIEWS
Man's Impact on the Climate and Inadvertent Climate Modification, reviewed by A. L. Ham mond; Impingement of Man on the Oceans, W. S. Wooster; Developmental Genetics, F. H. Wilt; Principles of Mammalian Aging, R. J. Hay; Essentials of Molecular Pharmacology, A. Trevor

REPORTS
Magnetite: Behavior near the Single-Domain Threshold: D. J. Dunlop
Ratite Eggshells from Lanzarote, Canary Islands: E. G. F. Sauer and P. Rothe
Production of Specific Antibody by Lymphocytes of the Bursa of Fabricius: P. J. Van Alten and H. J. Meuwissen
Epoxides of Carcinogenic Polycyclic Hydrocarbons Are Frameshift Mutagens:  
B. N. Ames, P. Sims, P. L. Grover .................................................. 47

Radula Tooth Structure of the Gastropod Conus imperialis Elucidated by  

Biosynthesis of α- and β-Ecdysones from Cholesterol outside the Prothoracic  
Gland in Bombyx mori:  K. Nakanishi et al. ........................................ 51

Length-Force Relation of Calcium Activated Muscle Fibers:  M. Schoenberg and  
R. J. Podolsky ................................................................. 52

Immunoglobulin M:  Fixation of Human Complement by the Fc Fragment:  
A. G. Plaut, S. Cohen, T. B. Tomasi, Jr. ........................................ 55

Shared Antigens between Mycobacterium bovis (BCG) and Other Bacterial Species:  
P. Minden et al. ............................................................................. 57

Inversion Polymorphism and Adult Emergence in Anopheles stephensi:  
M. Coluzzi ..................................................................................... 59

Restoration of Antibody-Forming Capacity in Cultures of Nonadherent Spleen  
Cells by Mercaptoethanol:  C. Chen and J. G. Hirsch ......................... 60

Magnetic Compass of European Robins:  W. Wiltschko and R. Wiltschko .... 62

Angiotensin I:  Metabolism by Plasma Membrane of Lung:  J. W. Ryan, U. Smith,  
R. S. Niemeyer ............................................................................. 64

Cochlear Microphonic Audiograms in the "Pure Tone" Bat Chilonycteris  
parnelli parnelli:  G. Pollak, O. W. Henson, Jr., A. Novick ..................... 66

Nutritional and Environmental Interactions in the Behavioral Development  
of the Rat:  Long-Term Effects:  D. A. Levsky and R. H. Barnes .......... 68

The Chimpanzee as an Animal Model for Investigating Alcoholism:  
W. A. Pieper et al. ........................................................................ 71

Mating Behavior and Life Habits of the Sweet-Bay Silk Moth (Callosamia  
carolina):  L. N. Brown ............................................................. 73

Complex Components of Habitat Suitability within a Butterfly Colony:  
M. C. Singer .................................................................................. 75

Motion Perception:  A Color-Contingent Aftereffect:  O. E. Favreau, V. F. Emerson,  
M. C. Corballis ............................................................................. 78

COVER

"Pure tone" bat (Chilonycteris parnelli) emitting orientation cries. The  
megaphone-shaped mouth aids in the forward beaming of echolocation pulses  
while the funnel-shaped ears are advantageous for the reception of echoes. See page 66. [William Sacco,  
Biology Dept., Yale University]