LETTERS
Psychology Experiments without Subjects’ Consent: S. E. Miller; M. Rokeach;
Chemical Warfare in Vietnam: F. Siekewitz and R. Nagin;
Ages of Experimental Animals: N. O. Calloway; R. M. Levy; G. G. Simpson

EDITORIAL
Graduate Student Support

ARTICLES
Martian Atmosphere: The Mariner Occultation Experiment: J. W. Chamberlain
and M. McElroy
Inductive Processes in Embryonic Development: A. G. Jacobson
Cubic Carbides: W. S. Williams
A Revised Charter for the Science Foundation: E. Q. Daddario

NEWS AND COMMENT
International Education and Health: A New Message—Auto Safety: An Author
Fights Back—Speaker Ban: U.N.C. Controversy Revived
Report from Europe: Appeal Judges Cut Ippolito’s Sentence in Half: V. K. McElheny

BOOK REVIEWS
The University in Transition, reviewed by H. W. Stake; other reviews by
S. N. Gershoff, S. P. Maran, R. R. Stewart, G. J. Quimby, J. Helm,
Z. M. Baer, J. M. Reiner, R. H. Dyson, Jr., R. N. Thurston, Z. A. Cohn,
M. McVaugh, K. P. Hummel; New Books

REPORTS
Cosmic X-Ray Sources, Galactic and Extragalactic: E. T. Byram, T. A. Chubb,
H. Friedman
Polymorphism in Pleistocene Land Snails: D. F. Owen
Analysis of Complex Vascular Systems in Plants: Optical Shuttle Method:
M. H. Zimmermann and P. B. Tomlinson
Thyrocalcitonin: Cytological Localization by Immunofluorescence: G. K. Hargis et al.
Multiplicity of Hemoglobins in the Genus Chironomus (Tendipes):
P. E. Thompson and D. S. English
Electron Microscopy: Tight Junctions in Synapses of the Chick Ciliary Ganglion:
A. J. D. de Lorenzo
Increased Incidence of Lymphoma after Injections of Mice with Cells Differing at Weak Histocompatibility Loci: R. L. Walford ........................................... 78

Interferon: Lack of Detectable Uptake by Cells: C. E. Buckler, S. Baron, H. B. Levy ................................................... 80

Morphogenetic Substance in Legume Nodule Formation: A. G. Schäffer and M. Alexander ........................................... 82

Liver Carcinogenesis by Diethylnitrosamine in the Rat: M. F. Rajewsky, W. Dauher, H. Frankenberg ........................... 83

Lithium’s Failure to Replace Sodium in Mammalian Sympathetic Ganglia: A. J. Pappano and R. L. Volle ........................................... 85

Ornithine Transcarbamylase Enzymes: Occurrence in Bacillus licheniformis: R. W. Bernlohr ........................................... 87

Terminology of Vertebrate Melanin-Containing Cells: 1965: T. B. Fitzpatrick et al. ........................................... 88

Secretion into the Cerebrospinal Fluid by Caudal Neurosecretory Neurons: G. Fridberg and R. S. Nishioka ............................ 90

Predominance of Hemoglobin Gower 1 in Early Human Embryonic Development: F. Hecht et al. ........................................... 91

Hydroxylation of Proline and the Intracellular Accumulation of a Polypeptide Precursor of Collagen: K. Juva et al. ........................................... 92

Tanning of Grasshopper Eggs by an Exocrine Secretion: T. Eisner, J. Shepherd, G. M. Happ ........................................... 95

Tetrodotoxin and Manganese Ions: Effects on Electrical Activity and Tension in Taenia Coli of Guinea Pig: Y. Nonomura, Y. Hotta, H. Ohashi ........................................... 97

Visual Disappearances Caused by Form Similarity: D. C. Donderi ........................................... 99

Pentylentetrazol Enhances Memory Function: S. Irwin and A. Benuazizi ........................................... 100


MEETINGS

Marine Biology: C. H. Oppenheimer; Antimicrobial Agents and Chemotherapy: D. Perlman; Forthcoming Events ........................................... 108

Cover

The eggs of the grasshopper, Romalea microptera, are yellow when first laid, but through the action of a secretion added to them at oviposition, they subsequently tan to a dark brown. The three eggs were dissected from the ovary of a gravid female. The eggs on either end have undergone localized tanning as a result of being spotted and streaked with secretion; the center egg is an untreated control (Actual size, 7 mm). See page 95. [Thomas Eisner, Cornell University]