LETTERS
The Bias toward Research: R. S. Alexander; Desalination and Agriculture: A. E. Peterson; Solar Astronomy Neglected: R. Howard, R. Leighton, H. Zirin; A. E. Whitford

EDITORS
Fields of Scholarship

ARTICLES
Atmospheric Research: A Powerful Concept Emerges: W. O. Roberts

U.S. universities, aided by a new research center, now stress rigor, breadth, joint efforts.

Stability of the Myelin Membrane: J. S. O'Brien

Lipid molecules may impart stability to the myelin membrane through intermolecular cohesion.

Quaternary Correlations across Bering Strait: D. M. Hopkins et al.

Recent Soviet and American studies cast new light on the history of the Bering land bridge.


NEWS AND COMMENT
Desalination: The Program Accelerates—Quackery: The Elderly Pay


BOOK REVIEWS
Package Deals and International Negotiations: W. T. R. Fox

Bioelectric Control of Bioluminescence in the Dinoflagellate Noctiluca:

I. Specific Nature of Triggering Events: R. Eckert .............................. 1140
II. Asynchronous Flash Initiation by a Propagated Triggering Potential:
    R. Eckert ........................................ 1142

Body Composition and Coat Color Correlation in Different Phenotypes of “Viable Yellow” Mice: G. L. Wolff ....................................... 1145

Interspecific Transfer of the “Sex-Ratio” Agent of Drosophila willistoni in
Drosophila bifasciata and Drosophila melanogaster: H. Ikeda ................... 1147

Phytadienes in Zooplankton: M. Blumer and D. W. Thomas .................... 1148

Protein Synthesis Inhibition: Mechanism for the Production of Impaired Fat Absorption: S. M. Sabesin and K. J. Isselbacher ......................... 1149

Bacteria on Leaf Surfaces and in Intercellular Leaf Spaces: E. H. Barnes ........ 1151

Sedimentation Velocity Experiments: Position and Motion of Schlieren Peaks:
J. A. Faucher and J. V. Koleske ........................................... 1152

Carcinogenic Aromatic Hydrocarbons: Special Vulnerability of Rats:
C. B. Huggins, E. Ford, E. V. Jensen ........................................ 1153

Anaphylactic Reaction of Denervated Skeletal Muscle in the Guinea Pig:
F. Alonso-deFlorida et al. ..................................................... 1155

Comments on Reports: Primate Research and Systematics: P. Hershkovitz and P. D. MacLean ............................................ 1156

Mammary Tumor Virus in Mice: D. H. Moore; Paleopathology: S. Jarcho;
Sensory Research Discussion: “Sonar” and Electronic Reading for the Blind:
H. Freiberger; Education in Chemistry: United States and Japan:
B. Tamamushi; Medicine in the Year 2000: S. Y. Botelho; Forthcoming Events 1158

New Products ................................................................. 1174

The flash of a single bioluminescent cell. The dinoflagellate Noctiluca milli-\naris, stimulated electrically in total darkness by five brief pulses 15 milli-\nseconds apart, produced a summated flash. Photography of the image was made possible by use of a five-stage image intensifier; an accelerating vol-\ntage of 36 kv amplified the intensity of the image approximately 900,000 times (× 270). See page 1140. [G. T. Reynolds, R. Eckert, and R. D. Allen]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/147/3662

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl