This Week in Science

Editorial

Pork Barrel "Science": Richard S. Nicholson

Letters


ScienceScope

More funds for deep sea and EMF research; Iran bails out physics center; etc.

News & Comment

Biological Immigrants Under Fire ■ "Superbug" Attacks California Crops ■ A Rouge's Gallery of Pests

Research News

Depression: The News Isn't Depressing ■ Imprinting Depression on the Brain

The Case of the Unlikely Molecular Twins

Planet X: Going, Going . . . But Not Quite Gone

Putting New Muscle Into Gene Therapy

Coming up Short in a Crustal Quest

Excess Genetic Baggage Dumped

Disappearing Mushrooms: Another Mass Extinction?

Briefings: Super Network Authorized ■ Paint That Reveals ■ SSC Magnets Upgraded ■ Japan Fellowships Going Begging

Perspective

How Does III × II Make U?: J. E. Dahlberg and E. Lund

Articles


The Atom Economy—A Search for Synthetic Efficiency: B. M. Trost

Research Article

Photoreceptor Deactivation and Retinal Degeneration Mediated by a Photoreceptor-Specific Protein Kinase C: D. P. Smith, R. Ranganathan, R. W. Hardy, J. Marx, T. Tsuchida, C. S. Zuker

Reports

The Hawaiian sepiolid squid *Euprymna scolopes* uses the luminescence of bacterial symbionts in its nocturnal behavior. This ventral dissection (the squid is ~3.5 centimeters in length) reveals the light-emitting organ as a complex, bilobed structure in the center of the mantle cavity. Normal light-organ development is initiated by specific strains of *Vibrio fischeri*. See page 1491. [Photograph by William Ormerod, University of Southern California]

**Book Reviews**

1528 Fantastic Archaeology, reviewed by W. H. Goetzmann — Physics as a Calling, J. A. Johnson — Quantized Vortices in Helium II, L. J. Campbell — Some Other Books of Interest — Books Received

1533 Stopped-Flow Spectrofluorimeter — Self-Recirculating Electrophoresis System — Ultraviolet Radiation Meter — Monoclonal Antibodies — Water Dispenser Gun — Direct Blotter — Protein Structure Database — Literature

**Products & Materials**

Board of Directors
Donald H. Langenberg
Retiring President, Chairman
Leon M. Lederman
President
F. Sherwood Rowland
President-elect

Mary Ellen Avery
Francisco J. Ayala
Eugene H. Cota-Robles
Robert A. Frosch
Joseph G. Gavin, Jr.
Florence P. Heasell
Jeanne M. Sheehy
Warren M. Washington
William T. Golden
Treasurer
Richard S. Nicholson
Executive Officer

Editorial Board
Charles J. Amrizen
Elizabeth E. Bailey
David Baltimore
William F. Brinkman
E. Margaret Burbidge
Pierre-Gilles de Gennes
Joseph L. Goldstein
Mary L. Good
Harry B. Gray
John J. Hopfield
F. Clark Howell
Paul A. Marks
Yasutomi Nishizuka
Helen M. R乃ney
Robert M. Solow
Edward C. Stone
James D. Watson

Board of Reviewing Editors
John Abelson
Frederick W. Alt
Don L. Anderson
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Henry R. Bourne
James J. Bull
Kathryn Calame
Charles R. Cantor
C. Thomas Caskey
Dennis W. Choi
Ralph J. Cicerone
John M. Collin
Bruce F. Eldridge
Paul T. Englund
Fredric S. Fay

Douglas T. Fearon
Harry A. Fozard
Victor R. Fuchs
Theodore H. Geballe
Margaret J. Geller
Roger I. M. Glass
Stephen P. Gold
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosslyn
Konrad B. Krauskopf
Charles S. Levingston
Harvey F. Lodish
Richard Losick
Anthony R. Means
Montineh Mishkin
Roger A. Nicoll
William H. Orme-Johnson III

Stuart L. Pimm
Yeshayahu Pocker
Denis A. Powers
Ralph S. Quatrano
Erkki Ruoslahti
Thomas W. Schoeniger
Ronald H. Schwartz
Terence J. Sejnowski
Thomas A. Steitz
Richard F. Thompson
Robert T. N. Tjian
Emil R. Unanue
Geural J. Vermeij
Bert Vogelstein
Harald Weintraub
Zane Werb
George M. Whitesides
Owen N. Witte
William B. Wood
Keith Yamamoto