NEWS & COMMENT

Genome Project Plans Described 152
Clinton Asks for a Greener DOE 153
Surprise! A Fungus Factory for Taxol? 154
At Tokyo University, a Parting Shot 155
The Cost of Scientific Pork Keeps Going Up 156
Early AZT Takes a Pounding in French-British 'Concorde' Trial 157

RESEARCH NEWS

Ulcers as an Infectious Disease 159
Why Some Fishes Are Hotheads 160
A Balancing Act in Predatory Fishes 160
Biologists Visit New Orleans (Under an Assumed Name) 162
A New Supernova in the Northern Sky 163
Tribe of Brown Dwarfs Discovered? 163
Condensed Matter Physicists Shrink Their Horizons 164

PERSPECTIVES

Forging an Asteroid-Meteorite Link 167
M. J. Gaffey
Measuring Single Protein Motors at Work 169
R. D. Vale

ARTICLES

Near-Field Investigations of the Landers 171
Earthquake Sequence, April to July 1992

RESEARCH ARTICLES

Regulation of Gene Expression in Hippocampal Neurons by Distinct Calcium Signaling Pathways 181
H. Badings, D. D. Gintry, M. E. Greenberg

DEPARTMENTS

THIS WEEK IN SCIENCE 141
EDITORIAL 143
LETTERS 145

BOOK REVIEWS 244
Dynamic Biological Networks, reviewed by C. L. Sahley • Terrestrial Ecosystems Through Time, J. W. Valentine • Wealth and Hierarchy in the Intermediate Area, W. Creamer • Vignettes • Books Received

PRODUCTS & MATERIALS 248

AAAS Board of Directors

F. Sherwood Rowland
Retiring President, Chairman
Elise E. Clark
President
Francisco J. Ayala
President-elect
William A. Lester, Jr.
Robert A. Frosch
Florence P. Hasekamp
Alan Schinegreen
Jean M. Shnave
Chang-Lin Tien
Warren M. Washington
Nancy S. Wexler

William T. Golden
Treasurer
Richard S. Nicholson
Executive Officer

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
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Bruce F. Eldridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozzard
Victor R. Fuchs
Theodore H. Geballe
Margaret J. Geller
John C. Gerhart
Roger J. M. Glass
Stephen P. Goff
Carey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kossel
Michael LlonaBarbers
Charles S. Levings III
Harvey F. Lodish
Richard Losick
Anthony R. Means
Moriteri Mashin
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Piment
Yeshayau Pocker
Denis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas S. Rees
Erik Russel
Ronald H. Schwartz

Terrence J. Sejnowski
Thomas A. Steitz
Richard F. Thompson
Robert T. N. Tjian
Emi R. Unnue
Geert J. Vermei
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
Keith Yamamoto

Board of Reviewing Editors

SCIENCE • VOL. 260 • 9 APRIL 1993
Fishes of the suborder Scombroidei, like this school of *Euthynnus affinis* in the Red Sea, are capable of endothermy. A molecular phylogeny of this suborder (which includes mackerels, bonitos, tunas, and billfishes) indicates that endothermy has evolved three times within Scombroidei. Comparison of endothermic scombrids with their closest living ectothermic relatives provides a further understanding of how endothermy evolved. See page 210 and the News story on page 160. [Photo: Jeffrey L. Rotman/Peter Arnold, Inc.]

**RESEARCH LETTERS**

**Frequency-Dependent Natural Selection in the Handedness of Scale-Eating Cichlid Fish**

M. Hori

**Distinct Functions of SR Proteins in Alternative Pre-mRNA Splicing**

A. M. Zahler, K. M. Neugebauer, W. S. Lane, M. B. Roth

**Spatially Resolved Dynamics of cAMP Sensory Neurons**


**Increased Frequency of Calcium Waves in Xenopus laevis Oocytes That Express a Calcium-ATPase**

P. Camacho and J. D. Lechleiter

**Acceleration of Intracellular Calcium Waves in Xenopus Oocytes by Calcium Influx**

S. Girard and D. Clapham

**Decreased Expression of Myotonin–Protein Kinase Messenger RNA and Protein in Adult Form of Myotonic Dystrophy**


**Regulation of CREB Phosphorylation in the Suprachiasmatic Nucleus by Light and a Circadian Clock**

D. D. Ginty, J. M. Kornhauser, M. A. Thompson, H. Bading, K. E. Mayo, J. S. Takahashi, M. E. Greenberg

**TECHNICAL COMMENTS**

**Effect of Scale on Food Web Structure**

N. D. Martinez, K. Havens

**167 & 186**

Meteorite origins