833 How ewes recognize their offspring

Hard Times in the Promised Land
Watkins Signals Retreat on DOE Directives
Yeast Chromosome III Reveals A Wealth of Unknown Genes
Are Neutrino Mass Hunters Pursuing a Chimera?
Ozone Hole: Not Over the Arctic—For Now
Press Urges Doubling for Research

THE GALLO INVESTIGATION
‘Verdicts’ Are in on the Gallo Probe
The Bottom Line of the OSI Report
Scientist-Consultants Accuse OSI of Missing the Pattern
Where Richards and OSI Part Company

DEPARTMENTS
THIS WEEK IN SCIENCE
EDITORIAL
Molecular Advances in Diseases
LETTERS

SCIENCESCOPE
Navy specialists go whale watching, Anderson likely to leave NIH, etc.

RANDOM SAMPLES
Court Rules for California Antismokers • Engineers Capture Environment Award • Bugging Bugs • Rich-Poor Gap in Academia, etc.

BOOK REVIEWS
Whose Science? Whose Knowledge?, reviewed by R. Rapp • Quantum Cosmology and Baby Universes, D. Page • A History of Regeneration Research, K. Crawford • Vignettes: Ontogenetic Viewpoints • Books Received

PRODUCTS & MATERIALS

AAAS Board of Directors
Leon M. Lederman
Retiring President,
Chairman
F. Sherwood Rowland
President
Eloise E. Clark
President-elect
Mary Ellen Avery
Francisco J. Ayala
Robert A. Frosch
Florence P. Haseltine
Alan Schriesheim
Jean’ne M. Shreeve
Chang-Lin Tien
Warren M. Washington
William T. Golden
Treasurer
Richard S. Nicholson
Executive Officer

F. Sherwood Rowland
President
Eloise E. Clark
President-elect
Mary Ellen Avery
Francisco J. Ayala
Robert A. Frosch
Florence P. Haseltine
Alan Schriesheim
Jean’ne M. Shreeve
Chang-Lin Tien
Warren M. Washington
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 F. Fearon
Harry A. Floyd
Victor R. Fuchs
Theodore H. Geballe
Morgan J. Gellar
John C. Gerhart
Roger I. Glass

Stephen P. Goff
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosakyn
Konrad B. Krauskopf
Michael LaBarbera
Charles S. Levin
Harvey F. Lodish
Richard Losick

Anthony R. Means
Mortimer Mishkin
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pimm
Yashayau Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Erik Ruo	
Ronald H. Schwartz

Terence J. Stenkowski
Thomas A. Steitz
Richard F. Thompson
Robert T. N. Tjian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
Keith Yamamoto

833 How ewes recognize their offspring

Hard Times in the Promised Land
Watkins Signals Retreat on DOE Directives
Yeast Chromosome III Reveals A Wealth of Unknown Genes
Are Neutrino Mass Hunters Pursuing a Chimera?
Ozone Hole: Not Over the Arctic—For Now
Press Urges Doubling for Research

THE GALLO INVESTIGATION
‘Verdicts’ Are in on the Gallo Probe
The Bottom Line of the OSI Report
Scientist-Consultants Accuse OSI of Missing the Pattern
Where Richards and OSI Part Company

DEPARTMENTS
THIS WEEK IN SCIENCE
EDITORIAL
Molecular Advances in Diseases
LETTERS

SCIENCESCOPE
Navy specialists go whale watching, Anderson likely to leave NIH, etc.

RANDOM SAMPLES
Court Rules for California Antismokers • Engineers Capture Environment Award • Bugging Bugs • Rich-Poor Gap in Academia, etc.

BOOK REVIEWS
Whose Science? Whose Knowledge?, reviewed by R. Rapp • Quantum Cosmology and Baby Universes, D. Page • A History of Regeneration Research, K. Crawford • Vignettes: Ontogenetic Viewpoints • Books Received

PRODUCTS & MATERIALS

AAAS Board of Directors
Leon M. Lederman
Retiring President,
Chairman
F. Sherwood Rowland
President
Eloise E. Clark
President-elect
Mary Ellen Avery
Francisco J. Ayala
Robert A. Frosch
Florence P. Haseltine
Alan Schriesheim
Jean’ne M. Shreeve
Chang-Lin Tien
Warren M. Washington
William T. Golden
Treasurer
Richard S. Nicholson
Executive Officer

F. Sherwood Rowland
President
Eloise E. Clark
President-elect
Mary Ellen Avery
Francisco J. Ayala
Robert A. Frosch
Florence P. Haseltine
Alan Schriesheim
Jean’ne M. Shreeve
Chang-Lin Tien
Warren M. Washington
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 F. Fearon
Harry A. Floyd
Victor R. Fuchs
Theodore H. Geballe
Morgan J. Gellar
John C. Gerhart
Roger I. Glass

Stephen P. Goff
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosakyn
Konrad B. Krauskopf
Michael LaBarbera
Charles S. Levin
Harvey F. Lodish
Richard Losick

Anthony R. Means
Mortimer Mishkin
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pimm
Yashayau Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Erik Ruo	
Ronald H. Schwartz

Terence J. Stenkowski
Thomas A. Steitz
Richard F. Thompson
Robert T. N. Tjian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
Keith Yamamoto
Pedigrees describe the inheritance of genetic disorders in related individuals. The cover shows a rendition of the pedigree of myotonic dystrophy, a human genetic disease. Between generations, an unstable nucleotide triplet (GCT) is amplified, shown here by increasing symbol size. Individuals who carry larger amplifications are more severely affected, represented by greater intensity of color and more cracks (see page 784). A series of News Reports and Articles focuses on recent advances in the exploration of molecular aspects of disease. See the Editorial and pages 766 to 813.

[Illustration: Mike A. De LaFlor]

**REPORTS**

The Role of Crystal Polarity in α-Amino Acid Crystals for Induced Nuclearation of Ice M. Gavish, J.-L. Wang, M. Eisenstein, M. Lahav, L. Leiserowitz


UV Spectrum and Proposed Role of Diethylberyllium in a 'Li'-7Be Solar Neutrino Experiment P. Dyer


**TECHNICAL COMMENTS**

Neocortex Development and the Cell Cycle D. van der Kooy; S. K. McConnell and C. E. Kaznowski

**COVER**

Implication of GAP in Ras-Dependent Transactivation of a Polyoma Enhancer Sequence F. Schweighoffer, I. Barlat, M.-C. Chevallier-Multon, B. Tocque


Cholecystokinin Antianalgesia: Safety Cues Abolish Morphine Analgesia E. P. Wiertelak, S. F. Maier, L. R. Watkins

Changes in the Sensory Processing of Olfactory Signals Induced by Birth in Sheep K. M. Kendrick, F. Lévy, E. B. Keverne

Initiation of Deregulated Growth of Multipotent Progenitor Cells by bcr-abl in Vitro M. L. Gishizky and O. N. Witte


Recovery from Experimental Parkinsonism in Primates with G4, Ganglioside Treatment J. S. Schneider, A. Pope, K. Simpson, J. Taggart, M. G. Smith, L. DiStefano

Laterization of Phonetic and Pitch Discrimination in Speech Processing R. J. Zatorre, A. C. Evans, E. Meyer, A. Gjedde

818 Multicage metal-carbon clusters

**Indicates accompanying News story or Perspective**

©1992 by the American Association for the Advancement of Science. All rights reserved.

**SCIENCE** (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-class postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright ©1992 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $87 (847 allocated to subscription). Domestic institutional subscription (51 issues): $195. Foreign postage extra: Mexico, Caribbean (surface mail) $50; other countries (air assist delivery) $35. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Change of address: allow 6 weeks, giving old and new addresses and 11-digit account number. Postmaster: Send change of address to Science, P.O. Box 2003, Marion, OH 43002-2003. Single copy sales: $6.00 per issue prepaid includes surface postage. Guide to Biotechnology Products and Instruments, $20. Bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $1 per copy plus $0.10 per page is paid directly to CCC, 27 Congress Street, Salem, MA 01970. The identification code for Science is 0036-8075/83 $1 + .10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objectives are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, to advance education in science, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
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/256/5058

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