NEWS & COMMENT

Somber News From the AIDS Front 1712
Scientific Misconduct: Hearing Process Proves a Challenge for ORI 1714
Imanishi-Kari Case: Secret Service Analysis Goes to Pieces 1715
NIH: Fraudbuster Ends Hunger Strike 1715
Space Telescope Institute: Inside the Black Box
A New Director Promises to Focus on Service 1716

RESEARCH NEWS

New Alzheimer's Therapy Suggested 1719
A New Way to Rev Up a Fast Pulsar 1720
Evidence Found for a Possible 'Aggression Gene' 1722
Recognizing Handwriting in Context 1723
Controversies Hot and Cold at Baltimore Geophysics Meeting 1724

ARTICLE

From RNA to DNA, Why So Many Ribonucleotide Reductases? 1773
P. Reichard

RESEARCH ARTICLE

Observations of Time Variation in the Sun's Rotation 1778
M. F. Woodard and K. G. Libbrecht

REPORTS

Influence of Solid Friction on Polymer Relaxation in Gel Electrophoresis 1782
S. Burlatsky and J. Deutch
A Bimetallic Hydroformylation Catalyst: High Regioselectivity and Reactivity Through Homobimetallic Cooperativity 1784
Paleoatmospheric Signatures in Neogene Fossil Leaves 1788
J. Van Der Burgh, H. Visscher, D. L. Dilcher, W. M. Kürschner
Recent Variability in the Southern Oscillation: Isotopic Results from a Tarawa Atoll Coral 1790
J. E. Cole, R. G. Fairbanks, G. T. Shen

DEPARTMENTS

THIS WEEK IN SCIENCE 1701
EDITORIAL 1703
LETTERS 1705

SCIENCESCOPE 1711
RANDOM SAMPLES 1718
BOOK REVIEWS 1825
The Molecular Vision of Life, reviewed by R. Olby * Denationalizing Science, T. F. Glick * Vignettes * Books Received

PRODUCTS & MATERIALS 1830

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Piet Borst
Henry R. Bourne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Crutsen
Robert Dasmone
Nicole Le Douarin
Bruce F. Eldridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozzard
K. Friedrich
Victor R. Fuchs
Theodore H. Geisler
Margaret J. Geller
John C. Gerhart
Roger M. Glass
Stephen P. Gould
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kastl
Michael LaBarbera
Charles S. Levine III
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means
Shigetada Nakami
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pimm
Yeshaya Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
Erik Ruusluhti
David C. Rubie
Gottfried Schatz
Jozef Schell
Shane J. Seidman
Mark E. Smith
Marc S. Steitz
Michael P. Strik
Richard F. Thompson
Robert T. N. Tian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Strik
Richard F. Thompson
Robert T. N. Tian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
Keith Yamamoto

1716 Inside the Space Telescope Science Institute
1788 Reading past CO2, levels in fossil leaves
Mean sea surface elevation in the North Atlantic, showing the influence of ocean floor topography and the flow of cold and warm currents on surface levels. This image was constructed from data from the radar altimeter of the European Space Agency's ERS-1 oceanographic satellite, a good example of European scientific collaboration. See page 1742. Beginning on page 1733, this special issue features News reports, Perspectives, and a Policy Forum on science in Europe. [Image: Carel Wakkars]

**NEWS IN EUROPE**

**SCIENCE IN EUROPE**

**SCIENCE IN EUROPE**

**NEWS REPORTS**

Science Steers Around Euro-Potholes 1734
A Mixed Report Card for Critical Technology Projects 1736
Chemistry: European Elites Envy American Cohesion 1738
Molecular Biology: New EMBL Director Reaches Out to Southern Europe 1740
Oceanography: ERS-1 Gives Europeans New Views of the Oceans 1742
Germany: Reunification: Scientists in the East Count the Costs 1744
Poland: Solidarity Paves Off for the Elites of Polish Science 1746
The Czech Republic: Science Held Back by Ghosts of the Past 1748
France: French Government Tries Decentralizing Excellence 1749
Sweden: More Elitism, Encouraged With a Shot of Hard Cash 1751

**POLICY FORUM**

Science Reunification in Germany: A Crash Program 1753
B. A. Sabel

**PERSPECTIVES**

Research on Volcanic Hazards in Europe P. Gasparini 1759
Evolving in a Dynamic World A. F. Read and P. H. Harvey 1760
Supramolecular Chemistry J.-M. Lehn 1762
Nod Factors and Nodulation in Plants I. Vijn, L. das Neves, A. van Kammen, H. Franssen, T. Bisseling 1764
The Greenland Ice Core Project B. Stauffer 1766
Who Are the Europeans? A. Piazza 1767
ROSAT—A New Look at the X-ray Sky J. Trümper 1769
Natural Selection at Work on the Surface of Virus-Infected Cells A. McMichael 1771

**1796**

Agent responsible for cytoplasmic incompatibility

---

AAAS Board of Directors

F. Sherwood Rowland, Retiring President, Chairman
Elise E. Clark, President
Francisco J. Ayala, President-elect
Robert A. Frosch, President
Florence P. Haselknecht, Executive Officer

*Indicates accompanying feature*

F. Sherwood Rowland, President, Chairman
Elise E. Clark, President
Francisco J. Ayala, President-elect
Robert A. Frosch, Florence P. Haselknecht, William A. Lester, Jr.

*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 © 1993 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): $67 ($47 allocated to subscription). Domestic institutional subscription (51 issues): $205. Foreign postage extra: Mexico, Caribbean (surface mail) $50; other countries (air assist delivery) $95. 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 43305-2003. 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 $.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.
Science 260 (5115), 1701-1830.