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
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]

**Catastrophic Volcanic Collapse: Relation to Hydrothermal Processes**
D. L. López and S. N. Williams

1794

**Interspecific and Intraspecific Horizontal Transfer of Wolbachia in Drosophila**
L. Boyle, S. L. O’Neill, H. M. Robertson, T. L. Karr

1796

**Surface Expression of Two Distinct Functional Antigen Receptors on Human γδ T Cells**
F. Davodeau, M.-A. Peyrat, I. Houde, M.-M. Hallet, G. De Libero, H. Vié, M. Bonneville

1800

**Switch of CD8 T Cells to Noncytolytic CD8-CD4+ Cells That Make TGFβ**
E. Eloise, S. K. Davis, Y. Yasukawa, T. Nakagawa, K. Yasukawa, K. Yamanishi, T. Taga, T. Kishimoto

1802

**LIFRβ and gp130 as Heterodimerizing Signal Transducers of the Tripartite CNTF Receptor**
D. S. Davis, T. H. Aldrich, N. Stahl, Li Pan, T. Taga, T. Kishimoto, N. Y. Ip, G. D. Yancopoulos

1805

**IL-6-Induced Homodimerization of gp130 and Associated Activation of a Tyrosine Kinase**
M. Murakami, M. Hibi, N. Nakagawa, T. Nakagawa, K. Yasukawa, K. Yamanishi, T. Taga, T. Kishimoto

1808

**Modal Shifts in Acetylcholine Receptor Channel Gating Confer Subunit-Dependent Desensitization**
D. Naranjo and P. Brehm

1811

**Modulation of Cocaine Self-Administration in the Rat Through D-3 Dopamine Receptors**
S. Barak Caine and G. F. Koob

1814

**Molecular Cloning of an Apolipoprotein B Messenger RNA Editing Protein**
B. Teng, C. F. Burant, N. O. Davidson

1816

**Rapid Remodeling of Axonal Arbors in the Visual Cortex**
A. Antonini and M. P. Stryker

1819

**NEWS REPORTS**

**SCIENCE IN EUROPE**

**POLICY FORUM**

**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 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, 22 Congress Street, Salem, MA 01970. The identification code for Science is 0036-8075/93 $1 – 10. Science is indexed in the Reader’s Guide to Periodical Literature and in several specialized indexes.**
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/260/5115

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