NEWS

Bellcore Looks for a Connection 1268
Emphasis Turns From Mapping to Large-Scale Sequencing
Senate Restores NIH Funding Cut 1271
Republicans Take Ax to NOAA Research 1272
Venter Wins Sequencing Race—Twice 1273
Scientists Named in PCR Suit 1273
At the Heart of Earthquakes, Seismologists Look for Pulse
DNA Repair Defect Tied to Mutated TGF-β Receptor Gene
Grown-Up Physicists Play Serious Games in the Sandbox
Siberia: Surprising Home for Early Modern Humans

SPECIAL NEWS REPORT

Elite Science in a Poor Country 1282
South African Research Comes In From the Cold

DEPARTMENTS

THIS WEEK IN SCIENCE 1257
EDITORIAL 1259
LETTERS 1261


SCIENCESCOPE 1267
RANDOM SAMPLES 1281
BOOK REVIEWS 1380

More Inclusive Archeologies, reviewed by B. J. Little • Vignettes • Other Books of Interest • Books Received • Publishers’ Addresses

PRODUCTS & MATERIALS 1385

Board of Reviewing Editors

Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Piet Borst
Henry R. Bourne
Michael S. Brown
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
F. Fleming Crim
Paul J. Crutzen
James E. Dahlberg
Robert Deamone
Bruce F. Edidège
Paul T. Englund
Richard G. Farbanks
Douglas T. Fearon
Harry A. Fozzard
Klaus Friedrich
Theodore H. Gebbie
Roger I. M. Glass
Stephen P. Guff
Peter N. Goodfellow
Corey S. Goodman
Ira Herskowitz
Eric F. Johnson
Stephen M. Koslinsyn
Michael LaBarbera
Nicole Le Dosair
Charles S. Levings III
Alexander Levizki
Harvey F. Lodish
Richard Losick
Reinhard Lührmann
Dane Mathes
Anthony R. Means
Shigetada Nakashima
Roger A. Nicoll
Stuart L. Rimm
Yoshayaou Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
David C. Rubie
Ekki Ruseelah
Gottfried Schatz
Josef Schell
Ronald H. Schwartz
Terence J. Sejnowski
Elen Solomon
Thomas A. Steitz
Michael P. Stymker
Robert T. N. Tian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Arthur Weiss
Zena Werb
George M. Whitesides
Gwen N. Witte
William A. Wulf

1254

SCIENCE • VOL. 268 • 2 JUNE 1995
Surface displacement associated with the 17 May 1993 Eureka Valley, California, earthquake obtained by interferometric processing of radar images acquired by the European Remote Sensing Satellite (ERS-1). Each color cycle represents 28 millimeters of ground displacement parallel to the satellite line of sight. Concentric rings depict subsidence of the hanging wall in response to the slip on the fault at depth. Width of the image is ~40 kilometers. See page 1333. [Image: Courtesy of Jet Propulsion Laboratory]

REPORTS

Anharmonic Wave Functions of Proteins: Quantum Self-Consistent Field Calculations of BPTI
A. Roitberg, R. B. Gerber, R. Elber, M. A. Ratner
Pressure-Tuned Fermi Resonance in Ice VII
K. Aoki, H. Yamawaki, M. Sakashita
Mesoscale Structure with Gemini 
Surfactants: Supercapacitors Formation in a Three-Dimensional Hexagonal Array
Q. Huo, R. Leon, P. M. Petroff, O. D. Stucky
Solar-Like M-Class X-Ray Flares on Proxima Centauri Observed by the ASCA Satellite
B. Haisch, A. Antunes, J. H. M. M. Schmitt
Beryllium-10 Dating of the Duration and Retreat of the Last Finalede Glacial Sequence
J. C. Gosse, J. Klein, E. B. Evenson, B. Lawn, R. Middleton
Surface Displacement of the 17 May 1993 Eureka Valley, California, Earthquake Observed by SAR Interferometry
G. Peltzer and F. Rosen
Inactivation of the Type II TGF-β Receptor in Colon Cancer Cells with Microsatellite Instability
Head Segmentation in Early Cambrian Fuxianlou: Implications for Arthropod Evolution

Fibroblasts as Efficient Antigen-Presenting Cells in Lymphoid Organs

Mutations in Fas Associated with Human Lymphoproliferative Syndrome and Autoimmunity
Cardiac Function in Mice Overexpressing the β-Adrenergic Receptor Kinase or a BARK Inhibitor
W. J. Koch, H. A. Rockman, P. Samama, R. Hamilton, R. A. Bond, C. A. Milano, R. J. Lefkowitz
Sensorimotor Encoding by Synchronous Neural Ensemble Activity at Multiple Levels of the Somatosensory System
M. A. L. Nicolelis, L. A. Baccala, R. C. S. Lin, J. K. Chapin
Stable Transfection of Malaria Parasite Blood Stages
M. R. van Dijk, A. P. Waters, C. J. Janse
Role of the Protein Chaperone YDJ1 in Establishing Hsp90-Mediated Signal Transduction Pathways
Y. Kimura, I. Yahara, S. Lindquist

TECHNICAL COMMENTS

Introns and the Origin of Protein-Coding Genes

AAAS Board of Directors
Francisco J. Ayala Retiring President, Chairman
Rita R. Colwell President
Jude Lubchenco President-elect
William A. Lester Jr. Treasurer
Michael J. Novacek Executive Officer

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Ave., NW, Washington, DC 20005. Second-class postage (publication No. 484640) paid at Washington, DC, and additional mailing offices. Copyright © 1995 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): $97.50 (50% allocated to subscription). Domestic institutional subscription (51 issues): $228. Foreign postage extra: Mexico, Caribbean (surface mail) $53; other countries (air assisted delivery) $83. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88132. Printed in the U.S.A.

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 2000, Marion, OH 43305-2023. Single copy sales: $7.00 per issue prepaid includes surface postage; bulk rates on request. Authorization to photocopy material for internal or personal use, or the personal or internal use of specific clients, 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.
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/268/5215

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