NEWS & COMMENT

Research and Health Care Costs 416
Can Researchers Help to Lower Costs?

European Biotech: Thumbs Down for Cattle Hormone 418

Rice University Physicist Nominated to Lead NSF 419

Physicists Band Together to Support New Megaproject 420

RESEARCH NEWS

Guam: Deadly Disease Dying Out 424
Helping Premature Lungs Breathe Easier 426
A Source Found for Earth's Commonest Meteorites 427

New Role for Gene Linked to Metastasis Suppression? 428
Coming In Loud and Clear—via Chaos 429

A 'Shotgun Wedding' Finally Produces Test-Tube Plants 430

PERSPECTIVE

The Chemistry of Magnets 431

ARTICLE

The Cape Mendocino, California, Earthquakes of April 1992: Subduction at the Triple Junction 433

RESEARCH ARTICLE

NMR Structure of a Specific DNA Complex of Zn-Containing DNA Binding Domain of GATA-1 438

Toxic Terror; Phantom Risks

Women in Science '93: A "Female Style": L. H. Keller; L. Schiebinger and R. N. Proctor; L. A. Thomas; F. L. Lodi; L. K. Bleyman; K. Knecht; M. Elks; B. Farrell; B. Osborne; N. Hynes; S. Schlick • Editor's Note

DEPARTMENTS

THIS WEEK IN SCIENCE 405
EDITORIAL 407
LETTERS 408

BOOK REVIEWS 497

PRODUCTS & MATERIALS 502

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Piet Borst
Michael S. Brown
Henry R. Bourne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Cho
John M. Coffin
Paul J. Crutzen
Robert Desimone
Nicole La Doucerin
Bruce F. Eldridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozard
K. Friedrich
Theodore H. Gaballe
Margaret J. Geller
John C. Gerhart
Roger I. M. Glass
Stephen P. Gold
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kostyn
Michael Lallbers
Charles S. Levinge II
Alexander Levitik
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means
Shigetada Nakashiz
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pin
Yeshayu Pocker
Dennis A. Powers
Ralph S. Quinlan
V. Ramanathan
Douglas C. Rees
T. M. Rice
Erkki Ruoslahti
David C. Rubie
Gottfried Schatz
Josef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Styrer
Richard F. Thompson
Robert T. N. Tjian
Emi R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto

489
Fingering spheres of activity in the brain
Structure of a molecular-based magnet that exhibits bulk magnetization at temperatures below 22.5 K. This material contains three kinds of spin carriers, namely Mn(II) and Cu(II) ions together with radical cations, and has two, nearly perpendicular graphite-like networks that interpenetrate like the rings of a necklace. See page 447 and the Perspective on page 431. [Image: L. O. Ouahab, H. O. Stumpf, Y. Journiaux]

REPORTS

A Molecular-Based Magnet with a Fully Interlocked Three-Dimensional Structure
H. O. Stumpf, L. Ouahab, Y. Pei, D. Grandjean, O. Kahn

Strained-Layer van der Waals Epitaxy in a Langmuir-Blodgett Film
R. Viswanathan, J. A. Zasadzinski, D. K. Schwartz

A Function of Lung Surfactant Protein SP-B
M. L. Longo, A. M. Bisagno, J. A. N. Zasadzinski, R. Bruni, A. J. Waring

Tough Times at La Brea: Tooth Breakage in Large Carnivores of the Late Pleistocene
B. Van Valkenburgh and F. Hertel

Small-Scale Convective Instability and Upper Mantle Viscosity Under California
G. Zandt and C. R. Carrigan

Transcription Factor TFIID Sites Important for Interaction with Promoter-Bound TFIID

Direct Association of Adenosine Deaminase with a T Cell Activation Antigen, CD26
J. Kameoka, T. Tanaka, Y. Nojima, S. F. Schlossman, C. Morimoto

Atherosclerosis in Transgenic Mice Overexpressing Apolipoprotein A-II

Interleukin-1 Type II Receptor: A Decoy Target for IL-1 That Is Regulated by IL-4

Right Hemisphere Dominance for the Production of Facial Expression in Monkeys
M. D. Hauser

Human c-myc Transcription Factor PuFu Identified as nm23-H2 Nucleoside Diphosphate Kinase, a Candidate Suppressor of Tumor Metastasis
E. H. Postel, S. J. Berberich, S. J. Flint, C. A. Ferrone

Calcium-Dependent Heparin-Like Ligands for L-Selectin in Nonlymphoid Endothelial Cells
K. E. Norgard-Sumnicht, N. M. Varki, A. Varki

A Putative ATP-Activated Na⁺ Channel Purified from Brain
D. R. Witcher, M. De Waard, J. Sakamoto, C. Franzini-Armstrong, M. Pragnell, S. D. Kahl, K. P. Campbell

How Somatotopic Is the Motor Cortex
M. H. Schieber and L. S. Hibbard

TECHNICAL COMMENTS

Sources of Blindsight
P. Stoerig; L. Weiskrantz; R. Fendrich, C. M. Westinger, M. S. Gazaniga

A view beneath the San Andreas fault

Indicates accompanying feature

AAAS Board of Directors
F. Sherwood Rowland, Retiring President, Chairman
Dilie E. Clark, President
Francisco J. Ayala, President-elect
Robert A. Frosch
Florence P. Haxelkie
William A. Lester, Jr.

F. Sherwood Rowland

Jeanne M. Shreeve
Chang-Lin Tien
Warren M. Washington
Nancy S. Wexler

William T. Golden
Richard S. Nicholson

Executive Treasurer

Executive Officer

Research, Science and Society

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): $87 ($47 allocated to subscription). Domestic institutional membership and subscription (51 issues): $205. Foreign postage extra. Mexico, Caribbean (surface mail) $50; other countries (air assisted delivery) $95. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request, GST #1254-86122. 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 2023, Manor, OH 43339-2023. 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 0036-8075/93 $1 +.10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

SCIENCE • VOL. 261 • 23 JULY 1993

403