NEWS & COMMENT

Turning an Info-Glut Into a Library 20
Bottleneck Keeps Existing Vaccine Off the Market 22
India Scrambles to Distribute Vaccine 23
Euro-Russian Accord Begins With 30 Days of Solitude 24
Testing the Psychology of Would-Be Astronauts

cDNA Sequence: HGS Opens Its Databanks—For a Price 25
Europe's New X-ray Source Beams With Confidence

Grant Applications Pile Up at NIH 27

RESEARCH NEWS

Who Profits From Ecological Disaster? Between Extinctions, Evolutionary Stasis 28
Solar Farms May Reap Gamma Rays 30
A Giant Licks Its Wounds 31
Chemists Clean Up Synthesis With One-Pot Reactions 32
Crafting a Cage for Cholesterol 34

POLICY FORUMS

The Role of Biomedical Research in Health Care Reform 49
M. W. Kirschner, E. Marincola, E. O. Teisberg

The Paradox of Critical Mass for Women in Science 51
H. Etzkowitz, C. Kemelgor, M. Neuschatz, B. Uzzi, J. Alonzo

PERSPECTIVES

Are Teflon "Ponytails" the Coming Fashion for Catalysts? 55
J. A. Gladysz

14-3-3: Modulators of Signaling Proteins? 56
D. Morrison

ARTICLE

Physical and Biological Controls on Carbon Cycling in the Equatorial Pacific 58
J. W. Murray, R. T. Barber, M. R. Roman, M. P. Bacon, R. A. Feely

RESEARCH ARTICLES

A Strong Candidate for the Breast and Ovarian Cancer Susceptibility Gene BRCA1 66

Board of Reviewing Editors

Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Pat Borst
Henry R. Bourne
Michael S. Brown
James l. Bull

Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Cruts
James E. Dahlberg
Robert Desimone
Bruce F. Eldridge
Paul T. Englund
Richards G. Fairbanks

Douglas T. Fearon
Henry A. Fozzard
Klaus Friedrich
Theodore H. Geballe
John C. Gerhart
Roger I. M. Glass
Stephen P. Gold
Peter N. Goodfellow
Corey S. Goodman
Ira Herskowitz

Eric F. Johnson
Stephen M. Kosslyn
Michael LaBarbera
Nicole Le Douarin
Charles S. Levinson III
Alexander Levitzki
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means

Shigetada Nakanishi
Roger A. Nicoll
Stuart L. Pinna
Yehuda Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
David C. Rubie

Erkki Ruoslahti
Gottfried Schatz
Jozef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Stiker
Robert T. N. Tjian
Emil R. Unanue

Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Arthur Weiss
Zena Werb
George M. Whitesides
Owen W. Witte
William A. Wulf

With a twist

75

This Week in Science

Editorial:
Magnetic Energy Storage

Letters:
Smithsonian Science Exhibit: A. Molleta; C. Weiner;
J. Lankford • Beta-Carotene and the Prevention of Cancer: J. R. Trotter • HIV Prevention Programs:
D. R. Holgrave and N. L. Qualls; M. Vilenich

Departments:
Random Samples
Quarterly Author Index
Book Reviews
Products & Materials
"Walking with the Ghosts of My Grandmothers" (1992), signature oil painting of artist Hollis Sigler's Breast Cancer Journal series. Through this series Sigler has tried to convey the emotional impact of a disease that affects one in nine women in the United States.

Cystic Fibrosis Heterozygote Resistance to
Cholera Toxin in the Cystic Fibrosis
Mouse Model

Thorium-230 Ages of Corals and
Duration of the Last Interglacial Sea-Level
High Stand on Oahu, Hawaii

Interannual Variability of Temperature at a
Depth of 125 Meters in the North Atlantic Ocean

Atomic-Scale Dynamics of a
Two-Dimensional Gas-Solid Interface

Direct Determination of Grain Boundary
Atomic Structure in SrTiO3

Time-Resolved Detection of Structural
Changes During the Photocycle of
Spin-Labeled Bacteriorhodopsin

AAAS Board of Directors

Cover

Cystic Fibrosis Heterozygote Resistance to
Cholera Toxin in the Cystic Fibrosis
Mouse Model

The Mobile Flavin of 4-OH Benzoate Hydroxylase

RNA Editing: Transfer of Genetic Information from gRNA to Precursor mRNA in Vitro

Identification of the von Hippel-Lindau Tumor Suppressor Gene and its Relationship to Ovarian and Pancreatic Carcinomas

BRCA1 Mutations in Primary Breast and Ovarian Carcinomas

Phosphate-Regulated Inactivation of the S6K Kinase PH080-PH085 by the CDK Inhibitor PH081

Interaction of the Protein Kinase Raf-1 with 14-3-3 Proteins

Association of the Protein Kinases c-Bcr and Bcr-Abl with Proteins of the 14-3-3 Family

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. 48446) paid at Washington, DC, and additional mailing offices. Copyright © 1994 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): $92; $92 (allocated to subscription), Domestic institutional subscription (51 issues): $235; Foreign postage extra: Mexico, Caribbean (surface mail) $50; other countries (air assist delivery) $50. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 98122. 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 2023, Marion, OH 43305-2023. 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 $.10 per page is paid directly to CCC, 27 Congress Street, Salem, MA 01970. The identification code for Science is 0036-8075/83 $1 + .20. 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/266/5182

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