Whales on the rebound

Six Six

Into the void

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Pat Borst
Michael S. Brown
Henry R. Bourne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Crutzen
Robert Desmore
Nicole Le Douaran
Bruce F. Eidridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozard
K. Friedrich
Theodore H. Geballe
Margaret J. Geller
John C. Gerhart
Roger I. M. Glass
Stephen P. Goff
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kessel
Michael LaBarbera
Charles S. Levings III
Alexander Levitz
Harvey F. Lodish
Richard Losick
Diane Matha
Anthony R. Means
Shigetada Nakanishi
Roger A. Nicol
William A. Orme
Johnson III
Stuart L. Pimm
Yashayau Pocker
Dennis A. Powers
Ralph S. Quattrin
V. Ramanathan
Douglas C. Rees
T M. Rice
Eriki Ruselah
David C. Rubie
Gottfried Schatz
Josef Scheel
Ronald H. Schwartz
Terrence J. Stenkowski
Elen Solomon
Thomas A. Steitz
Michael P. Stykier
Richard F. Thompson
Robert T. N. Tian
Emil R. Unanue
Geerat J. Vermeij
Bent Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto

The Aftermath of the Gallo Case
National Academy of Sciences: Members Seek More Active Role
Regulation: German Geneticists Get Some Relief
A Hearty Endorsement for Aspirin
Scientists Count a Rising Tide of Whales in the Seas
Neutrino Watchers Go to Extremes
Cell Biologists Get the Message in New Orleans
Genes Point to a New Identity for Pacific Pioneers

SIX SIX

THIS WEEK IN SCIENCE
EDITORIAL
LETTERS
Fighting HIV: A Clue from Hemophilia • Torture Tests Net a New Prime • Fewer Weapons in the Pie

INFORMATION FOR CONTRIBUTORS
BOOK REVIEWS
BAD SCIENCE, reviewed by R. M. Crooks • Pauper and Prince, G. A. Good • The Natural History of Inbreeding and Outbreeding, P. Hedrick • Thinking in Sound, W. Yost • Vignettes: Mentoring • Books Received

PRODUCTS & MATERIALS

Science Scope

Downloaded from http://science.sciencemag.org/ on April 2, 2017
Emission from gas clouds in the active galaxy NGC 1068 observed by the Hubble Space Telescope. The gas is ionized by radiation from the galaxy nucleus, which is thought to be encircled by a dusty torus that allows the radiation to escape only within the conical region indicated on the image. Depending on the orientation of the torus relative to the disk of the galaxy it inhabits, this model can explain many types of galactic activity. See the Perspective on page 40. [Image: National Aeronautics and Space Administration]

REPORTS

Patterned Condensation Figures as Optical Diffraction Gratings
A. Kumar and G. M. Whitesides

Fluorescent X-ray Interference from a Protein Monolayer
Y. C. Sasaki, Y. Suzuki, T. Ishibashi

New Light on the Heart of Darkness of the Solar Chromosphere
S. K. Solanki, W. Livingston, T. Ayres

Void Structure in Colloidal Dispersions
K. Ito, H. Yoshida, N. Ise

Synthesis and Characterization of Molybdenum Carbide Clusters Mo_nC_m (n = 1 to 4)

Do Hydrofluorocarbons Destroy Stratospheric Ozone?

Target of the Transcriptional Activation Function of Phage λ el Protein
M. Li, H. Mylo, M. M. Suskind

Catalytic Activity of an RNA Domain Derived from the U6-U4 RNA Complex
J.-H. Yang, R. Cedergren, B. Nadal-Ginard

Mitotic Repression of RNA Polymerase III Transcription in Vitro Mediated by Phosphorylation of a TFIIB Component
J. M. Gottesfeld, V. J. Wolf, T. Dang, D. J. Forbes, P. Hartl

Location of cAMP-Dependent Protein Kinase Type I with the TCR-CD3 Complex
B. S. Skälhegg, K. Taskén, V. Hansson, H. S. Huitfeldt, T. Jahnson, T. Lea

A Transforming Growth Factor β Type I Receptor That Signals to Activate Gene Expression

Association of Transcription Factor APRF and Protein Kinase Jak1 with the Interleukin-6 Signal Transducer gp130

Association and Activation of Jak-Tyk Kinases by CNTF-LIF-OSM-IL-6 β Receptor Components

Targeting of Gα13 to the Golgi by Alternative Spliced Carboxyl-Terminal Region
J.-F. Montmayeur and E. Borelli

The Met Proto-Oncogene Mesenchymal Cell Epithelial Cell Conversion

TECHNICAL COMMENTS

Signaling cell conversion

AAAS Board of Directors

F. Sherwood Rowland
Retiring President, Chairman

Elise E. Clark
President-elect

Francisco J. Ayala
President-elect

Robert A. Frosch
Treasurer

Florence P. Haselmeier
Executive Officer

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 © 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 ($50 allocated to subscription). Domestic institutional subscription (51 issues): $215. Foreign postage extra: Mexico, Caribbean (surface mail) $50; other countries (air mail delivery) $95. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request, GST #125488122. 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 43005-2023. Single copy sales: $6.00 per issue prepaid includes surface postage. Guideline for 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 0036-8075/94 $1 + .10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.