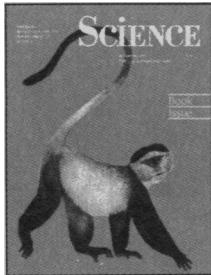


751 This Week in Science

Editorial	753 The Confusion Profusion
Letters	755 Alar in Apples: E. GROTH III ■ Pesticides, Risk, and Applesauce: B. N. AMES AND L. S. GOLD
News & Comment	761 HDTV: The Technology <i>du Jour</i> ■ Without Standards, U.S. HDTV Lacks Definition 764 A Fast Track For High-Risk Science 765 Whose Notes Are They? ■ It's Not Over Yet 766 British Biologists Learn Small Is Not Beautiful 767 Space Council Backs Landsat Fire Devastates Jackson Lab 768 Lewin Wins Awards Bone Marrow Transplants Approved
Research News	769 Do Mathematicians Still Do Math? ■ The Sorcerer's Apprentice 771 SLAC Feels the Thrill of the Chase 773 Can You Help the Mets by Watching on TV? 774 Cold Fusion: Bait and Switch?
Articles	776 Air Pollution and Forest Decline in a Spruce ( <i>Picea abies</i> ) Forest: E.-D. SCHULZE 783 RNA-Protein Interactions in 30S Ribosomal Subunits: Folding and Function of 16S rRNA: S. STERN, T. POWERS, L.-M. CHANGCHIEN, H. F. NOLLER
Research Articles	790 <i>Golf</i> : An Olfactory Neuron Specific-G Protein Involved in Odorant Signal Transduction: D. T. JONES AND R. R. REED
Reports	796 Identification of a Neuropeptide Hormone That Regulates Sex Pheromone Production in Female Moths: A. K. RAINA, H. JAFFE, T. G. KEMPE, P. KEIM, R. W. BLACHER, H. M. FALES, C. T. RILEY, J. A. KLUN, R. L. RIDGWAY <i>et al.</i> 798 The Role of Excitatory Amino Acids and NMDA Receptors in Traumatic Brain Injury: A. I. FADEN, P. DEMEDIUK, S. S. PANTER, R. VINK 800 Regulation of Calcium Release Is Gated by Calcium Current, Not Gating Charge, in Cardiac Myocytes: M. NÄBAUER, G. CALLEWAERT, L. CLEEMANN, M. MORAD 803 Induction of Mesoderm by a Viral Oncogene in Early <i>Xenopus</i> Embryos: M. WHITMAN AND D. A. MELTON 806 Global Sea Level Rise and the Greenhouse Effect: Might They Be Connected? W. R. PELTIER AND A. M. TUSHINGHAM

■ SCIENCE is published weekly on Friday, except the last week in December, and with an extra issue in February 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 at an additional entry. Now combined with The Scientific Monthly® Copyright © 1989 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): \$75. Domestic institutional subscription (51 issues): \$120. Foreign postage extra: Canada \$46, other (surface mail) \$46, air mail via Amsterdam \$85. First class, airmail, school-year, and student rates on request. Single copy sales: Current issue, \$3.50; back issues, \$5.00; Biotechnology issue, \$6.00 (for postage and handling, add per copy \$0.50 U.S., \$1.00 all foreign); Guide to Biotechnology Products and Instruments, \$18 (for postage and handling add per copy \$1.00 U.S., \$1.50 Canada, \$2.00 other foreign). Bulk rates on request. Change of address: allow 6 weeks, giving old and new addresses and 11-digit account number. 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, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/83 \$1 + .10. Postmaster: Send Form 3579 to Science, P.O. Box 1722, Riverton, NJ 08077. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

■ The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.



**COVER** The golden monkey *Cercopithecus mitis kandti*, a guenon of a rare subspecies that inhabits high-altitude forest in the area around the Virunga volcanoes of east central Africa. Its distribution coincides with that of the endangered mountain gorilla. The survival of both primates depends on the conservation of this relictual habitat. [Jonathan Kingdon; from *A Primate Radiation: Evolutionary Biology of the African Guenons*, reviewed on page 860]

- 811 V $\beta$ -Specific Stimulation of Human T Cells by Staphylococcal Toxins: J. KAPPLER, B. KOTZIN, L. HERRON, E. W. GELFAND, R. D. BIGLER, A. BOYSLTON, S. CARREL, D. N. POSNETT, Y. CHOI, P. MARRACK
- 813 Transmembrane Channels Based on Tartaric Acid-Gramicidin A Hybrids: C. J. STANKOVIC, S. H. HEINEMANN, J. M. DELFINO, F. J. SIGWORTH, S. L. SCHREIBER
- 817 Class II MHC Molecules Are Specific Receptors for Staphylococcus Enterotoxin A: J. A. MOLICK, R. G. COOK, R. R. RICH
- 820 Control of Experimental Autoimmune Encephalomyelitis by T Cells Responding to Activated T Cells: A. W. LOHSE, F. MOR, N. KARIN, I. R. COHEN

## Book Reviews

- 830 The Taming of Invention: G. WISE; other reviews by P. J. PAULY, B. SINCLAIR, W. L. O'NEILL
- 835 Ethical Dissent in a New Mode: J. M. BEYER; other review by C. MORRILL
- 837 Trends in the Job Arena: G. FARKAS; other reviews by M. H. STROBER, G. J. STIGLER
- 840 An Industrial Research Program: J. P. SWANN; other review by V. Y. SUSLOW
- 843 Science Brought to Mothering: N. ROGERS; other review by G. C. ANDERSON
- 845 Adoption Studies Continued: R. J. ROSE
- 847 Igor Kurchatov: D. HOLLOWAY; other review by K. G. RAMANATHAN
- 849 The Solar System: Records from  $t \geq 0$ : D. LAL; other reviews by M. B. KUNDU, C. R. CANIZARES
- 852 A Life in Biochemistry: E. KENNEDY; other review by I. MELLMAN
- 854 Conservation Needs Close to Home: L. F. HUENNEKE
- 855 A Cladisticization: E. N. ARNOLD; other reviews by D. L. CLARK, W. A. CALDER
- 858 Misdeeds in Anthropology: M. CARTMILL; other reviews by P. A. ERICKSON, R. L. SUSMAN, C. P. GROVES
- 861 The Archeology of Capitalism: E. ZUBROW; other reviews by D. FREIDEL, G. E. STUART, S. KRECH III

## Products & Materials

- 873 Heat Measurement ■ Importing On-Line References ■ *Angewandte Chemie* On-Line ■ Absolute Reflectance Measurements ■ Electroporation Apparatus ■ Chromatography Data Acquisition System ■ Antibodies ■ Literature

## Technical Comments

- 823 The Myeloperoxidase Gene in Acute Promyelocytic Leukemia: C. W. MILLER, G. ROVERA, D. VENTURELLI, K. F. HUEBNER, P. VAN TUINEN *et al.*; E. DONTI, M. MONTANUCCI, L. LONGO, A. MENCARELLI, P. PANDOLFI *et al.*; S. C. WEIL, M. S. REID, L. A. NILLES, R. L. CHISHOLM, G. L. ROSNER *et al.* ■ Relation of the Amyloid  $\beta$  Protein Precursor to Heparan Sulfate Proteoglycans: D. C. GOWDA, R. K. MARGOLIS, B. FRANGIONE, J. GHISO, M. LARRONDO-LILLO, R. U. MARGOLIS; D. SCHUBERT

### Board of Directors

Walter E. Massey  
*Retiring President,*  
*Chairman*  
Richard C. Atkinson  
*President*  
Donald N. Langenberg  
*President-elect*

Mary Ellen Avery  
Francisco J. Ayala  
Floyd E. Bloom  
Mary E. Clutter  
Eugene H. Cota-Robles  
Joseph G. Gavin, Jr.  
John H. Gibbons  
Beatrix A. Hamburg  
William T. Golden  
*Treasurer*  
Richard S. Nicholson  
*Executive Officer*

**Editorial Board**  
Elizabeth E. Bailey  
David Baltimore  
William F. Brinkman  
E. Margaret Burbidge  
Philip E. Converse  
Joseph L. Goldstein  
Mary L. Good  
F. Clark Howell  
James D. Idol, Jr.  
Leon Knopoff  
Oliver E. Nelson  
Helen M. Ranney  
David M. Raup  
Howard A. Schneiderman  
Larry L. Smarr  
Robert M. Solow  
James D. Watson

**Board of Reviewing Editors**  
John Abelson  
Qais Al-Awqati  
Don L. Anderson  
Stephen J. Benkovic  
Floyd E. Bloom  
Henry R. Bourne  
James J. Bull  
Kathryn Calame  
Charles R. Cantor  
Ralph J. Cicerone  
John M. Coffin  
Robert Dorfman  
Bruce F. Eldridge  
Paul T. Englund  
Fredric S. Fay  
Theodore H. Geballe

Roger I. M. Glass  
Stephen P. Goff  
Robert B. Goldberg  
Corey S. Goodman  
Jack Gorski  
Stephen J. Gould  
Richard M. Held  
Gloria Heppner  
Eric F. Johnson  
Konrad B. Krauskopf  
Charles S. Levings III  
Richard Losick  
Karl L. Magleby  
Philippa Marrack  
Joseph B. Martin  
John C. McGiff  
Mortimer Mishkin  
Carl O. Pabo

Yeshayau Pocker  
Michael I. Posner  
Dennis A. Powers  
Russell Ross  
James E. Rothman  
Erkki Ruoslahti  
Ronald H. Schwartz  
Vernon L. Smith  
Robert T. N. Tjian  
Virginia Trimble  
Emil R. Unanue  
Geerat J. Vermeij  
Bert Vogelstein  
Harold Weintraub  
Irving L. Weissman  
George M. Whitesides  
Owen N. Witte  
William B. Wood

244 (4906)

Science 244 (4906), 751-873.

ARTICLE TOOLS

<http://science.scienmag.org/content/244/4906>

PERMISSIONS

<http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

---

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.