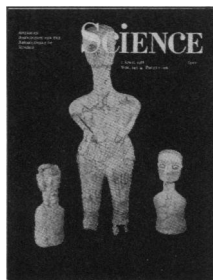


	7	This Week in <i>Science</i>
Editorial	9	Korean Research and Development
Letters	11	HIV Infection in the Laboratory: C. H. FOX, AND M. COTTLER-FOX; W. A. BLATTNER ■ Historiographic Distinctions: R. J. RICHARDS; J. C. GREENE ■ Private Research and "Psychological Well-Being": D. M. BOWDEN ■ Census Undercount Recommendation: T. WRIGHT
News & Comment	17	Budget Crunch Stalls Super Collider
	18	Mars Mania and NASA
	19	<i>Biomedical Briefing</i> : Institutes Proposed for Deafness, Rehabilitation ■ It Matters How You Slice the Pie ■ Hammer Seeks \$1 Billion to Cure Cancer ■ Kennedy Suggests NIH Foundation
	20	New Spy Satellites Urged for Verification
	21	EPA Bars Use of Nazi Data
	22	Hopes Recede for Early Ban on Chemical Arms ■ A French "Joker in the Pack"
	24	<i>Briefing</i> : Du Pont Backs Phaseout of CFCs ■ Wilson to Leave Cornell ■ Ecstasy Returns to Schedule I ■ Italy Back in Space
Research News	25	Superconductors' Material Problems
	27	Diet and Health in China
	28	Troubled Times Ahead for Telescope-Makers ■ Bigness: Why and How ■ A European Behemoth
Articles	35	'Ain Ghazal: A Major Neolithic Settlement in Central Jordan: A. H. SIMMONS, I. KÖHLER-ROLLEFSON, G. O. ROLLEFSON, R. MANDEL, Z. KAFABI
	40	Molecular/Organic Ferromagnets: J. S. MILLER, A. J. EPSTEIN, W. M. REIFF
	47	Computers in Molecular Biology: Current Applications and Emerging Trends: C. DELIST
Research Articles	53	The Neural Cell Adhesion Molecule (NCAM) as a Regulator of Cell-Cell Interactions: U. RUTISHAUSER, A. ACHESON, A. K. HALL, D. M. MANN, J. SUNSHINE

- 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. 484480) paid at Washington, DC, and at an additional entry. Now combined with *The Scientific Monthly* © Copyright © 1988 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): \$65. Domestic institutional subscription (51 issues): \$98. Foreign postage extra: Canada \$32, other (surface mail) \$27, air-surface via Amsterdam \$65. First class, airmail, school-year, and student rates on request. Single copies \$3.00 (\$3.50 by mail); back issues \$4.50 (\$5.00 by mail); Biotechnology issue, \$5.50 (\$6 by mail); classroom rates on request; Guide to Biotechnology Products and Instruments \$16 (\$17 by mail). Change of address: allow 6 weeks, giving old and new addresses and seven-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, 1333 H Street, NW, Washington, DC 20005. 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 Pre-Pottery Neolithic B statuette from 'Ain Ghazal, Jordan. See page 35. [Conserved by Mrs. K. Tubb, Institute of Archaeology, University of London. Photo by Peter Dorrell and Stuart Laidlaw, courtesy of Institute of Archaeology, University of London]

Reports

- 60 Short-Lived s-Process Gamma-Ray Lines in Type II Supernovae: M. J. HARRIS
- 62 Molecular-Level Control over Surface Order in Self-Assembled Monolayer Films of Thiols on Gold: C. D. BAIN AND G. M. WHITESIDES
- 64 HIV-1 Reverse Transcriptase Is a Target for Cytotoxic T Lymphocytes in Infected Individuals: B. D. WALKER, C. FLEXNER, T. J. PARADIS, T. C. FULLER, M. S. HIRSCH, R. T. SCHOOLEY, B. MOSS
- 66 The Nasotemporal Division in Primate Retina: The Neural Bases of Macular Sparing and Splitting: A. G. LEVENTHAL, S. J. AULT, D. J. VITEK
- 68 A Mutation in the Catalytic Subunit of cAMP-Dependent Protein Kinase That Disrupts Regulation: L. R. LEVIN, J. KURET, K. E. JOHNSON, S. POWERS, S. CAMERON, T. MICHAELI, M. WIGLER, M. J. ZOLLER
- 70 Tat Protein from Human Immunodeficiency Virus Forms a Metal-Linked Dimer: A. D. FRANKEL, D. S. BREDT, C. O. PABO
- 74 Molecular Basis for the Influence of Muscle Length on Myocardial Performance: A. BABU, E. SONNENBLICK, J. GULATI
- 76 Cone Cell-Specific Genes Expressed in Retinoblastoma: E. BOGENMANN, M. A. LOCHRIE, M. I. SIMON
- 78 Mussel Growth Supported by Methane as Sole Carbon and Energy Source: S. C. CARY, C. R. FISHER, H. FELBECK
- 80 Biologic Features of HIV-1 That Correlate with Virulence in the Host: C. CHENG-MAYER, D. SETO, M. TATENO, J. A. LEVY

AAAS News

- 83 Members Help Museums Fulfill Mission: P. S. CURLIN ■ Listing of Women in Science Groups Gets Update ■ 1988 *Science Education Directory* Available ■ Role Models Sought ■ New Art Show Opens ■ Ethics in Graduate Education Studied ■ Insured Members Enjoy Cost Savings ■ Coming Soon—AAAS Member Survey ■ AAAS, Harvard Hold Science Policy Workshop ■ Ethics Report Begins Publication ■ Obituaries

Book Reviews

- 86 Method and Theory for Activity Area Research, *reviewed by* C. KRAMER ■ The Archaeology of Western Iran, H. J. NISSEN ■ The African Frontier, E. COLSON ■ Books Received

Products & Materials

- 93 Plotting and Analysis Software ■ Cryogenic Refrigerators ■ Data Acquisition and Control System ■ Apparatus to Recover Samples ■ Universal File Translator ■ Nucleic Acid Preparation ■ Assay Calculation Software ■ Ultraviolet Detector ■ Literature

Board of Directors

Sheila E. Widnall
*Retiring President,
Chairman*

Walter E. Massey
President

Richard C. Atkinson
President-elect

Harold Amos
Floyd E. Bloom
Mary E. Clutter
Eugene H. Cota-Robles
Mildred S. Dresselhaus
Beatrice A. Hamburg
Donald N. Langenberg
Frank von Hippel

William T. Golden
Treasurer

Alvin W. Trivelpiece
Executive Officer

Editorial Board

Elizabeth E. Bailey
David Baltimore
William F. Brinkman
Philip E. Converse
Joseph L. Goldstein
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
James J. Bull
Charles R. Cantor
Ralph J. Cicerone
John M. Coffin
Bruce F. Eldridge
Paul T. Englund
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
Jiri Novotny
Gordon H. Orians
Carl O. Pabo

John S. Pearce
Yeshayau Pocker
Jean Paul Revel
Russell Ross
James E. Rothman
Daniel V. Santi
Thomas C. Schelling
Ronald H. Schwartz
Otto T. Solbrig
Robert T. N. Tjian
Virginia Trimble
Geerat J. Vermeij
Harold Weintraub
Irving L. Weissman
George M. Whitesides
Owen N. Witte
William B. Wood

Science

240 (4848)

Science **240** (4848), 7-93.

ARTICLE TOOLS

<http://science.sciencemag.org/content/240/4848>

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.