539 This Week in Science

Editorial

541 The AIDS Issue

Letters


News & Comment

551 Politics and Soviet Psychiatry
554 Perot to Fund Scientist-Physicians; August Shuttle Launch Set
555 Space Policy: No Lift-Off; Manned Spaceflight Fails Peer Review
556 Doctored Report Revives Debate on 1957 Mishap
557 Science Lobbying Groups Formed
558 Briefing: Biting the Bullet; Academy/IOM Name AIDS Panel; Koop Floats a Plan; CDC Not Impressed; AIDS Pamphlet to Be Mailed

Research News

559 Is the Greenhouse Here?
561 Molecular Clocks Turn a Quarter Century: Origins and Evolution of the Molecular Clock; Of Apes, Men, and Statistical Analysis; How to Perturb a Regular Clock; Evidence for a Universal Rate of Mutation
563 Recount on Amazon Trees
564 Questions Raised About Anti-Wrinkle Cream

Articles

AIDS

580 Legal Rights and Duties in the AIDS Epidemic: B. M. Dickens
592 Education to Prevent AIDS: Prospects and Obstacles: H. V. Fineberg
597 Ethical Issues in the Prevention and Treatment of HIV Infection and AIDS: L. Walters
604 The Economic Impact of AIDS in the United States: D. E. Bloom and G. Carliner
617 The Human Immunodeficiency Virus: Infectivity and Mechanisms of Pathogenesis: A. S. Fauci
COVER  Manifestations of concern with AIDS, the acquired immunodeficiency syndrome, in the United States: children receiving instruction on AIDS prevention in the classroom and the burned-out house of a family with AIDS-infected children. This issue of Science includes articles on the epidemiological, legal, economic, and ethical issues of AIDS. See page 573. [Cover design by Sharon Wolfgang, Washington, DC; classroom scene, Mauro Calingo, Silver Spring, MD; and house, Marc Beaudin, News-Press, Fort Myers, FL]

Reports

623 Growth of Thin Chemically Bonded Diamondlike Films by Ion Beam Deposition: J. W. Rabalais and S. Kasi
631 Replacements of Pro\(^6\) in Phase T4 Lysozyme Extend an \(\alpha\)-Helix But Do Not Alter Protein Stability: T. Alber, J. A. Bell, S. Dao-Pin, H. Nicholson, J. A. Wozniak, S. Cook, B. W. Matthews
635 Labeling of Neural Cells by Gold-Filled Sendai Virus Envelopes Before Intracerebral Transplantation: S. C. Ardizzoni, A. Michaels, G. W. Arendash
637 Cells Process Exogenous Proteins for Recognition by Cytotoxic T Lymphocytes: J. W. Yewdell, J. R. Bennink, Y. Hosaka
640 Mitogenesis in Response to PDGF and Bombesin Abolished by Microinjection of Antibody to PI3P: K. Matuoka, K. Fukami, O. Nakanishi, S. Kawai, T. Takenawa
643 Cell-Cell Interactions in the Guidance of Late-Developing Neurons in Caenorhabditis elegans: W. W. Walthall and Martin Chalfie
645 The ras Oncogenes Increase the Intrinsic Resistance of NIH 3T3 Cells to Ionizing Radiation: M. D. Sklar

Technical Comments


AAAS News


Book Reviews

656 Academics in Court, reviewed by M. G. Yudof ■ From Mineralogy to Geology, J. A. Secord ■ Observational Cosmology, S. White ■ Global Bio-Events, K. W. Flessa ■ Some Other Books of Interest ■ Books Received

Products & Materials

663 Peptide Synthesis Software ■ Peptide Separation Without Chromatography ■ Ready-to-Use Electrophoresis Gel Solution ■ Immunostaining System ■ Scientific Calculator ■ Instant Photos from Video Images ■ Liquid Scintillation Counter ■ Sound-Analysis Workstation ■ Data Acquisition Peripheral ■ Literature

Board of Directors
Lawrence Bogorad
Retiring President, Chairman
Sheila E. Widnall
President
Walter E. Massey
President-elect
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
David M. Raup
Howard A. Schneiderman
Larry L. Smarr
Robert M. Solow
James D. Watson

Board of Reviewing Editors
John Abelos
Qais Al-Awadhi
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
Theodosius H. Geisala
Roger I. M. Glass

Stephen P. Gold
Robert B. Goldberg
Corey S. Goodman
Jack Gorski
Stephen J. Gould
Richard M. Held
Glenn Hegner
Eric F. Johnson
Konrad B. Krauskopf
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. Pearse
Yoshifuru Pucker
Jean Paul Revel
James E. Rothman
Daniel V. Santi
Thomas G. Schelling
Ronald H. Schwartz
Otto T. Sollbr
Robert N. Tjian
Virginia Trimbile
Geerat J. Vermeij
Harold Weintraub
Irving L. Weissman
George M. Whitesides
Owen N. Witte
William B. Wood

5 FEBRUARY 1988

TABLE OF CONTENTS 337
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/239/4840

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