1569 Rural and Urban Ozone

1581 Reconstruction of an Immune System: G. D. Yancopoulos and F. W. Alt


1589 Campaigning on the Environment

1590 DOE Challenged on WIPP Site

1591 Panel Laments "Disarray" in Public Health System

1592 BA Tries Out Role As Parliament of Science

1593 Cosmos 1900's Unplanned Return Fetal Research Morally "Acceptable"

1594 China Bans Panda Loans Radon Survey Seen As Misleading by Some Scientists

1595 Harvard Tiptoes into the Market

1596 NIH and DOE Draft Genome Pact Report Calls for Revamping of EPA Research

1597 OTA Backs Grassroots Strategy for Africa

1598 Conflict Over DNA Clock Results

1601 When Crystals Collide: Grain Boundary Images

1603 Asteroid and Comet Dust in Space . . . . . . And in the Laboratory

1604 U.N. Considers Biodiversity Convention

1613 Oceanic Primary Production: Estimation by Remote Sensing at Local and Regional Scales: T. Platt and S. Sathyendranath

1620 Fractal Reaction Kinetics: R. Kopelman

1626 Developmental Regulation of Two 5S Ribosomal RNA Genes: A. P. Wolfe and D. D. Brown


cover  Photomicrograph of a cultured rat sensory neuron 24 hours after infection with pHSViac, a defective herpes simplex virus 1 (HSV-1) vector that expresses Escherichia coli β-galactosidase (blue, X-gal reaction product). HSV-1 vectors have the potential to introduce any gene into a neuron to perform gene therapy or study neuronal physiology. See page 1667. [Alfred I. Geller, Massachusetts General Hospital, Boston, MA 02114]

1645 Accelerated Electron Transfer Between Metal Complexes Mediated by DNA: M. D. Purganan, C. V. Kumar, N. J. Turro, J. K. Barton
1655 Effects of Cyclosporine A on T Cell Development and Clonal Deletion: M. K. Jenkins, R. H. Schwartz, D. M. Pardoll
1658 Identification of an Intracellular Peptide Segment Involved in Sodium Channel Inactivation: P. M. Vassilev, T. Scheuer, W. A. Catterall
1665 A Novel Receptor Capable of Monitoring Applied Pressure in the Abdomen of an Insect: R. G. Chiang and K. G. Davey
1667 A Defective HSV-1 Vector Expresses Escherichia coli β-Galactosidase in Cultured Peripheral Neurons: A. I. Geller and X. O. Breakfield

AAAS Meetings

1683 1989 AAAS Annual Meeting ■ Preliminary Program, Part 2, Life Sciences & Technology ■ Advance Registration and Housing Form

Book Reviews

1691 China Builds the Bomb, reviewed by J. D. Pollack ■ The Atlantic Continental Margin, E. Uchupi ■ Dynamical Evolution of Globular Clusters, A. Toomre ■ Some Other Books of Interest ■ Books Received

Products & Materials

1696 Vacuum Transfer Unit ■ Thermal Cycler ■ Chromatography Kit ■ Restriction Fragment Analysis Software ■ X-ray Microanalysis ■ Digital Polarimeter ■ Safety Oven ■ Literature

Board of Directors
Sheila E. Widnall  Retiring President, Chairman
Walter E. Massey  President
Richard C. Atkinson  President-elect
Mary E. Clutter
Claire H. Cole-Robles
Mildred S. Dresselhaus
Joseph G. Eaves, Jr.
John H. Gibbons
Beatriz A. Hamburg
Donald N. Langenberg
William T. Golden
Alvin W. Trivelpiece
Executive Officer
Floyd E. Bloom  Past President
Elizabeth E. Bailey
David Baltimore
William F. Brinkman
E. Margaret Burridge
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. Schniederman
Larry L. Smarr
Robert M. Solow
James D. Watson

Editorial Board
John Abelson
Oais Al-Awadi
Don L. Anderson
Stephen J. Benkovic
Floyd E. Bloom
Henry R. Bourne
James J. Bull
Charles R. Cantor
Ralph J. Cicoreone
John M. Coffin
Robert Dorfman
Bruce F. Eldridge
Paul T. Englert
Theodore H. Gebelein
Roger I. M. Glass
Stephen P. Goff
Robert B. Goldberg
Corey B. Goodman
Jack Gorski
Stephen J. Gould
Richard M. Held
Gloria Heppner
Eric F. Johnson
Konrad B. Krauskopf
Charles S. Levings III
Richard Lowick
Philippa Marrack
Joseph B. Martin
John C. McGill
Mortimer Mishkin
Jiri Novotny
Gordon H. Orans
Carl O. Pabo
Yeshayau Packer
Michael L. Posner
Dennis A. Powers
Jean Paul Revel
Russell Ross
James E. Rothman
Daniel V. Santill
Ronald H. Schwartz
Vernon L. Smith
Otto T. Sobot
Robert T. N. Tjian
Virginia Trimbble
George J. Verma
Harold Weintraub
Irving L. Weissman
George M. Whitesides
Owen N. Witte
William B. Wood

23 SEPTEMBER 1988

TABLE OF CONTENTS  1565