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1539	This	Week	in	Science
1007	1 1113	AACCK	ш	Stiente

Editorial	1541	The Molecule of the Year
Perspective	1543	The Molecule of the Year: RUTH L. GUYER AND D. E. KOSHLAND, JR.
Letters	1547	U.S. Scientists and China: J. C. WANG ■ AIDS Drug Trials: R. SMITH ■ Leopard Habitat: D. P. ROSENBERG ■ Neuroscience at Washington University: C. C. HUNT ■ Information Policy: D. A. B. LINDBERG ■ Ethics and USGS: H. WILSHIRE; K. SCHAMBACH; E. MARSHALL
News & Comment	1551	Hubble: Great Telescope, Bad Service Plan
	1553	Plea to Bromley: Save Our Neutrons
	1554	Britain's Lords Debate Embryo Research
	1555	Science and PR North of the Border
	1556	Maine Case Deals Blow to DNA Fingerprinting
Research News	1559	New AIDS Drugs Take Careful Aim
	1560	Is the AIDS Epidemic Slowing?
	1561	Key Piece Found for Immunology Puzzle?
	1562	Geophysics from Triton to the Deep Blue Sea: New Quake Forecast: North by Northwest ■ Loma Prieta Quake Unsettles Geophysicists ■ A Geologically Young Triton After All? ■ Bringing Down the Sea Level Rise
	1564	Briefings: R&D Lobby Spends NSF's '91 Budget ■ AIDS Tests Fail ■ Study Puts Admiral Peary at North Pole ■ Global Change Encyclopedia on Disc ■ A Faster Parallel Computer for 1992 ■ Academy Recognizes Koop ■ Canadian Kludge? ■ Bromley OSTP Team at Ful Strength? ■ George Mason U. Snares NSF's Moore ■ HUGO: Genome Data Open to Scientists
Articles	1566	Origins of Agriculture in Eastern North America: В. D. Sмгтн
	1571	Quantifying the Information Content of Lattice Images: A. OURMAZD, D. W. TAYLOR, M. BODE, Y. KIM
Research Articles	1578	Specific Interactions in RNA Enzyme-Substrate Complexes: C. Guerrier-Takada, N. Lumelsky, S. Altman
Reports	1585	Volatilization of High Molecular Weight DNA by Pulsed Laser Ablation of Frozen Aqueous Solutions: R. W. Nelson, M. J. Rainbow et al.
	1587	Growth of Greenland Ice Sheet: Measurement: H. J. ZWALLY, A. C. BRENNER, J. A. MAJOR, R. A. BINDSCHADLER, J. G. MARSH
	1589	Growth of Greenland Ice Sheet: Interpretation: H. J. ZWALLY
	1591	Thermomolecular Pressure in Surface Melting: Motivation for Frost Heave: J. G. Dash
	1593	Air Ventilation by Recoil Aspiration in Polypterid Fishes: E. L. Brainerd, K. F. Liem, C. T. Samper
	1595	The Anticodon Contains a Major Element of the Identity of Arginine Transfer RNAs: L. H. SCHULMAN AND H. PELKA

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Eighteen of 1989's top scientific achievements are discussed in a yearend wrap-up, and from this group the "Molecule of the Year" was chosen. The winner—an enzyme that drives a cyclic amplification reaction that produces millions of copies of interesting genes and gene segments. See pages 1541 and 1543. [Image by Lewis E. Calver, courtesy of Cetus Corporation, Emeryville, CA 94608]

- 1597 A Model of Human Acute Lymphoblastic Leukemia in Immune-Deficient SCID Mice: S. KAMEL-REID, M. LETARTE, C. SIRARD, M. DOEDENS et al.
- 1601 Endothelial Interleukin-8: A Novel Inhibitor of Leukocyte-Endothelial Interactions: M. A. GIMBRONE, JR., M. S. OBIN, A. F. BROCK et al.
- Conserved Repetitive Epitope Recognized by CD4+ Clones from a Malaria-Immunized 1603 Volunteer: E. H. NARDIN, D. A. HERRINGTON, J. DAVIS et al.
- 1606 Inhibition of Antigen-Induced Lymphocyte Proliferation by Tat Protein from HIV-1: R. P. VISCIDI, K. MAYUR, H. M. LEDERMAN, A. D. FRANKEL
- Mechanisms for Regulating Expression of Membrane Isoforms of Fcy RIII (CD16): 1608 M. L. HIBBS, P. SELVARAJ, O. CARPÉN, T. A. SPRINGER et al.
- Membrane Anchoring of a Human IgG Fc Receptor (CD16) Determined by a Single 1611 Amino Acid: L. L. Lanier, S. Cwirla, G. Yu, R. Testi, J. H. Phillips
- Immunodeficiency and Clonal Growth of Target Cells Induced by Helper-Free Defective 1614 Retrovirus: M. HUANG, C. SIMARD, P. JOLICOEUR
- Cyclosporin A Specifically Inhibits Function of Nuclear Proteins Involved in T Cell 1617 Activation: E. A. EMMEL, C. L. VERWEIJ, D. B. DURAND et al.
- 1620 Molecular Cloning of the Thyrotropin Receptor: M. PARMENTIER, F. LIBERT, C. Maenhaut, A. Lefort, C. Gérard, J. Perret, J. Van Sande et al.
- Regulation of Proenkephalin by Fos and Jun: J. L. SONNENBERG, F. J. RAUSCHER III, J. I. MORGAN, T. CURRAN
- Functional Analysis of CAR, the Target Sequence for the Rev Protein of HIV-1: E. T. DAYTON, D. M. POWELL, A. I. DAYTON
- Differential Effects of nef on HIV Replication: Implications for Viral Pathogenesis in the Host: C. Cheng-Mayer, P. Iannello, K. Shaw, P. A. Luciw, J. A. Levy
- RNA Editing in Plant Mitochondria: R. HIESEL, B. WISSINGER, W. SCHUSTER, A. Brennicke

# Fechnical Comments

1635 Steroid Binding at σ-"Opoid" Receptors: S. Schwarz, P. Pohl, G.-Z. Zhou; T.-P. Su, E. D. LONDON, J. H. JAFFE Hydrolysis of Carbon Tetrachloride: P. M. JEFFERS AND N. L. WOLFE; D. W. R. WALLACE AND M. KRYSELL 
Caterpillars and Polymorphisms: S. H. FAETH AND K. E. HAMMON; E. GREENE Does Voltage Affect Excitation-Contraction Coupling in the Heart?: M. B. CANNELL, J. R. BERLIN, W. J. LEDERER; M. MORAD, L. CLEEMANN, G. CALLAWAERT

## Book Reviews

Made in America AND Working Papers of the MIT Commission on Industrial Productivity, reviewed by D. C. MOWERY ■ Beyond the Barricades, W. M. SULLIVAN ■ Ecology in the 20th Century, R. A. Pois ■ A Theory of Human and Primate Evolution, J. MARKS ■ Hypersaline Environments, W. D. GRANT ■ Treatise on Heavy-Ion Science, E. HAGBERG ■ **Books Received** 

# Products & Materials

1649 Program for Drawing Chemical Structures ■ Monoclonal Antibodies ■ Delivery System for Cell Injection ■ Plastic Slide Case ■ Data Acquisition and Analysis Software ■ Genome Qualified Restriction Enzymes 

Literature

> Author Index to Volume 246 is found on pages I-X. Information for Contributors is found on XI-XII.

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