Editorial
981 The Choosing of the NIH Director

Perspective
982 Mechanisms of Immunological Tolerance: H. R. MacDonald
983 Retrovirus Vectors: Promise and Reality: H. M. Temin

Letters

News & Comment
988 Hard Times at NIH
990 House Trims off Academic Pork
991 Soviet Sociology Makes a Comeback
992 Global Warming: Blaming the Sun
994 Dispute Surfaces Over Paternity of RU 486

Research News
995 Playing Three-Dimensional Pool • The Shadow Cone Sheds Some Light
997 Galilean (Whew!) Changes Course
Readers Write to Right Wrongs
998 A Passion for the Little Things Among the Planets: The Poor Man’s Grand Tour of the Solar System • First Direct View of Solar System Chaos • Largest Radar Detects Dumbbell in Space • Which Way Is North? Ask Right-Handed Astronomers
1000 Briefings: Congress to Help Rebuild Mouse Lab • Layoffs Begin at Research Labs • Misplacing Kabul • ACS Weighs in on Science Education • Nabisco Chips in $30 Million • Megaprojects Under Review at OSTP • Max Planck Picks a Lawyer as Leader • And Who’s Behind That Mask? • Bonfire to Save the Rhino • Rhino DNA Mix and Match

Articles
1002 The Origins of Ceramic Technology at Dolni Věstonice, Czechoslovakia: P. B. Vandiver, O. Soffer, B. Klíma, J. Svoboda
1009 Chemical Cartography: Finding the Keys to the Kinetic Labyrinth: G. W. Flynn
1015 Parasitic Protozoa and Helminths: Biological and Immunological Challenges: A. F. Mahmoud

Research Articles
COVER. Covariance map of the Coulomb explosions in nitrous oxide after ionization by an intense picosecond laser. The covariance mapping technique gives directly the correlations between the momenta of the various fragment ions and thereby provides detailed information on the structure and fragmentation dynamics of the parent molecule. See page 1029. [Data acquisition and visualization algorithm by L. J. Frasinski, University of Reading, United Kingdom]

Reports

1026 Spatially Resolved Organic Analysis of the Allende Meteorite: R. ZENOBIA, J.-M. PHILIPPOZ, P. R. BUSECK, R. N. ZARE


1032 Temperature and Sperm Incorporation in Polyploid Salamanders: J. P. BOGART, R. P. ELINSON, L. E. LICHT

1034 Similarity Between the Transcriptional Silencer Binding Proteins ABF1 and RAP1: J. F. X. DIFFLEY AND B. STILLMAN

1038 A Nondeletional Mechanism of Thymic Self-Tolerance: F. RAMSDELL, T. LANTZ, B. J. FOWLIES

1041 Failure of T Cell Receptor Vβ Negative Selection in an Athymic Environment: R. J. HODES, S. O. SHARROW, A. SOLOMON


Technical Comments

1049 Is Regulation of a Chloride Channel in Lymphocytes Affected in Cystic Fibrosis?: G. HAIGWARA, M. KROUSE, U. MOLLER, J. WINE; P. GARDNER


AAAS Meetings

1052 Annual Meeting: Advance Registration Form; Hotel Registration Form - Plenary Lectures - Three-Day Seminars - Short Courses - Symposia, Technical Sessions, and Workshops - General Meeting Information

Meetings

1060 Gordon Research Conferences - 1990 Schedule

Book Reviews


Products & Materials

1067 Hydrogen Generator - Chemical and Spectra Databases - Gel Dryer Produces Clear Bands - Laboratory Freezer - Protein Sequencing - Recombinant DNA Molecule Drawing Software - SlideCarousel Carrier - Literature