NEWS

Astronomy’s Optical Illusion 356
ESA Plans for the Early 21st Century 359
Genome Research: Plans for Tunisian Institute Move Ahead 359
Rustic Site Draws a Crowd to Monitor Global Warming 360
Powerful New Detectors Spy On Strange Spinning Nuclei 362
A New Theory of Insect Wing Origins Takes Off 363
Structural Biology: X-ray Movies Start to Capture Enzyme Molecules in Action 364
Ernst Mayr Wins the Japan Prize 365

NOBEL PRIZES

Eight Get the Call to Stockholm 368
Medicine: A Signal Award for Discovering G Proteins 368
Chemistry: Snaring Elusive Quarry—And a Prize Physics: Neutron Cartographers Laundered for Mapping Materials 369
Economics: Game Theory’s Winning Hands 371

PERSPECTIVES

Cuprate Superconductors: A Broken Symmetry in Search of a Mechanism 386
S. Chakravarty

Chromosome End Games 387
T. R. Cech

ARTICLE

The Magnitude 6.7 Northridge, California, Earthquake of 17 January 1994 389
Scientists of the U.S. Geological Survey and the Southern California Earthquake Center

RESEARCH ARTICLES

Removal of Stratospheric O3 by Radicals: In Situ Measurements of OH, HO2, NO, NO2, ClO, and BrO 398

TLC1: Template RNA Component of Saccharomyces cerevisiae Telomerase 404
M. S. Singer and D. E. Gottschling

DEPARTMENTS

THIS WEEK IN SCIENCE 345
EDITORIAL 347
Supplies of Oil and Natural Gas 349
LETTERS 351
Sources of Dioxin: T. G. Spiro and V. M. Thomas; B. Dudley and P. Costner; L. E. Fink; P. H. Abelson • The D, Receptor Gene: J. C. Crabbe, J. K. Belknap, K. J. Buck

DEPARTMENTS

BOOK REVIEWS 466
Stalin and the Bomb, reviewed by V. Zubok • Global Marine Biological Diversity, S. R. Carpenter • Ecological Genetics, R. E. Michod • Vignettes

AAAS MEETING 471
1995 AAAS Annual Meeting and Science Innovation Exposition, 16–21 February 1995, Atlanta Expanded Program • Seminar • Employment Exchange • Advance Registration Form • Hotel Reservation Form

PRODUCTS & MATERIALS 489

Board of Reviewing Editors

Science • Vol. 266 • 21 October 1994

Downloaded from http://science.sciencemag.org/ on April 19, 2017
Unity in Diversity is the theme for the 1995 AAAS Annual Meeting and Science Innovation Exposition in Atlanta from 16 to 21 February. For the first time, the interdisciplinary traditions of the annual meeting will be blended with the biomedical research focus of the Science Innovation meeting. Researchers from every facet of science will convene to exchange ideas, publicize new knowledge, and discuss what is to come, not only within their disciplines but with regard to science in the context of society. See page 471 for a complete program with registration and hotel forms.

REPORTS

Temporally Unstable Recurrence of Earthquakes Due to Breaks in Fractal Scaling
J. McCloskey and C. J. Bean

Paleomagnetic Record of a Geomagnetic Field Reversal from Late Miocene Mafic Intrusions, Southern Nevada
C. D. Ratcliff, J. W. Geissman, F. V. Perry, B. M. Crowe, P. K. Zeitzer

Marked Post-18th Century Environmental Change in High-Arctic Ecosystems
M. S. V. Douglas, J. P. Smol, W. Blake Jr.

Strength of Diamond
D. J. Weidner, Y. Wang, M. T. Vaughan

Vibrationally Coherent Photochemistry in the Femtosecond Primary Event of Vision

Low-Temperature Relaxation and Entropic Barriers in Supercooled Liquids
U. Mohanty, I. Oppenheim, C. H. Taubes

Surface-Skimming Stoneflies: A Possible Intermediate Stage in Insect Flight Evolution
J. H. Marden and M. G. Kramer

The Structure of Flavocytochrome c Sulfide Dehydrogenase from a Purple Phototrophic Bacterium

Internal Lysine Palmitoylation in Adenylate Cyclase Toxin from Bordetella pertussis

Epidermal Cell Fate Determination in Arabidopsis: Patterns Defined by a Steroid-Inducible Regulator
A. M. Lloyd, M. Schena, V. Walbot, R. W. Davis

Vancomycin Resistance: Structure of D-Alanine:D-Alanine Ligase at 2.3 Å Resolution
C. Fan, P. C. Moews, C. T. Walsh, J. R. Knox
c-Fos: A Key Regulator of Osteoclast-Macrophage Lineage Determination and Bone Remodeling

Differential Regulation of RNA Polymerases I, II, and III by the TBP-Binding Repressor Dr1
R. J. White, B. C.-E. Khoo, J. A. Inostroza, D. Reinberg, S. P. Jackson

Rescue of T Cell–Specific V(DJ) Recombination in SCID Mice by DNA-Damaging Agents
J. S. Danska, F. Pflumio, C. J. Williams, O. Huner, J. E. Dick, C. J. Guidos

Folding of VSV G Protein: Sequential Interaction with BiP and Calnexin
C. Hammond and A. Helenius

Anatomical Evidence for Cerebellar and Basal Ganglia Involvement in Higher Cognitive Function
F. A. Middleton and P. L. Strick

TECHNICAL COMMENTS

Identifying Clonidine-Displacing Substance
D. Atlas; D. J. Reis, G. Li, S. Regnathan, C. J. Barlow, R. Cooper

T Cells and Suppression in Vitro
B. Scott, J. Kaye, D. Lo; R. Lechler and G. Lombardi

436 Inducible hairs

422 Visual excitement
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/266/5184

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