NEWS & COMMENT

The Genome Project: Life After Watson
A Standing Ovation From the Troops
Britain Plans Large-Scale Sequencing Center

Peer Review Catches Congressional Flak
Did OSI Rewrite History?
What Should It Take to Join Science's Most Exclusive Club?
New Academy Members

RESEARCH NEWS

Looking Glass Chemistry
Government Smiles on One-Handed Drugs
HIV Comes in Five Family Groups
Giving Personal Magnetism a Whole New Meaning
Hot Rumors, Blue Light, and Modern Art Shake Up Frisco
'Transparent' Proofs Help Solve Opaque Problems
Sightseeing at a Black Hole Gets Easier

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DENDRITIC SPIINES: CONVERGENCE OF THEORY AND EXPERIMENT: C. KOCH, A. ZADOR, T. H. BROWN

ARTICLES

VIBRATIONAL MODES AND THE DYNAMIC SOLVENT: P. F. BARBARA, G. C. WALKER, T. P. SMITH
ENERGY SOURCES: A REALISTIC OUTLOOK: C. STARR, M. F. SEALT, S. ALPERT
AIRBORNE STUDIES OF THE SMOKE FROM THE KUWAIT OIL FIRES: P. V. HOBBS AND L. F. RADEK

RESEARCH ARTICLE

SITE-SPECIFIC MODIFICATION OF PRE-mRNA: THE 2'-HYDROXYL GROUPS AT THE SPlice SITES: M. J. MOORE AND P. A. SHARP

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PRODUCTS & MATERIALS 1074

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Ceramic effigy from outside the Maya tomb of the Royal Scribe at Copán, Honduras, one of the artefacts depicted in Scribes, Warriors and Kings, reviewed on page 1062. In addition to views of what years of archeological inquiry tell us about the Maya, a two-century conspectus on developmental biology and critiques of the role of scientists in public affairs are among the features of this Book Issue. For a list of books reviewed in this issue, see page 1035. [Photograph: Kenneth Garrett]

### REPORTS

**Depolarization of Alfalfa Root Hair**

Membrane Potential by *Rhizobium meliloti Nod Factors*

D. W. Ehrhardt, E. M. Atkinson, S. R. Long

Paleotemperatures in the Southwestern United States Derived from Noble Gases in Ground Water

M. Stute, P. Schlosser, J. F. Clark, W. S. Broecker

Geothermal Evidence from Canada for a Cold Period Before Recent Climatic Warming

K. Wang and T. J. Lewis

Stress Diffusion Along the San Andreas Fault at Parkfield, California

P. E. Malin and M. G. Alvarez

**Electron-Tunneling Pathways in Cytochrome c**

D. S. Wuttke, M. J. Bjerrum, J. R. Winkler, H. B. Gray

**High-Resolution Imaging by Fourier Transform X-ray Holography**


Order and Low Dimensionality in the Organic Superconductor (BEDT-TTF),Cu(NCS)₂ Revealed by STM


Interaction Cloning: Identification of a Helix-Loop-Helix Zipper Protein That Interacts with c-Fos

M. A. Blanar and W. J. Rutter

**Fast Perceptual Learning in Visual Hyperacuity**

T. Poggio, M. Fahle, S. Edelman

**Synaptotagmin: A Calcium Sensor on the Synaptic Vesicle Surface**

N. Brose, A. G. Petrenko, T. C. Südhof, R. Jahn

High-Frequency Network Oscillation in the Hippocampus

G. Buzsáki, Z. Horváth, R. Urioste, J. Hetke, K. Wise

Acquisition of Myogenic Specificity by Replacement of Three Amino Acid Residues from MyoD into E12

R. L. Davis and H. Weintraub

A Site on Rod G Protein α Subunit That Mediates Effector Activation

H. M. Rarick, N. O. Artemyev, H. E. Hamm

### SPECIAL BOOK SECTION

**Scanning tunneling microscopic of organic superconductors**

**Rangings of the Mind**

D. L. Goodstein, other views by L. Clarke, G. Wise

**Genteel Enterprises**

P. J. Pauly; other views by W. Stanton, K. M. Olesko

**The Widener-Wichita Divide**

H. M. Kleibard

**Absences from the White House**

K. L. Nelson; other review by G. A. Greb

**Lives of a Chemist**

J. Meinwald

**So-Called Quasicrystals**

M. Senechal; other views by B. A. Smith, G. Olah

**Immunological Reformulations**

T. Söderqvist and C. Stillwell; other reviews by C. D. Stern, K. Anderson, M. Bronner-Fraser

**Priorities for Plants**

D. Waller; other reviews by T. J. Case, H.-D. Sues, J. L. Gould

**Faraday at Home and Abroad**

B. J. Hunt; other review by W. Montgomery

**Telling about the Maya**

S. D. Houston; other reviews by K. A. Taube, T. S. Kawami, R. L. Dauenhauer

**Books Reviewed in Science**

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**Books Received**

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* Indicates accompanying News story or Perspective
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