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 MostExclusive 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 Opague Problems
Sightseeing at a Black Hole Gets Easier

PERSPECTIVES

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Layered and Granular Materials
P. M. Levy
Dendritic Spines: Convergence of Theory and Experiment
C. Koch, A. Zador, T. H. Brown

ARTICLES

Vibrational Modes and the Dynamic Solvent
Effect in Electron and Proton Transfer
P. F. Barbara, G. C. Walker, T. P. Smith

Energy Sources: A Realistic Outlook
C. Starr, M. F. Searl, S. Alpert

Airborne Studies of the Smoke from the Kuwait Oil Fires
P. V. Hobbs and L. F. Radke

RESEARCH ARTICLE

Site-Specific Modification of Pre-mRNA:
The 2'-Hydroxyl Groups at the Splice Sites
M. J. Moore and P. A. Sharp

DEPARTMENTS

THIS WEEK IN SCIENCE
A Major Generation Gap

LETTERS
Antarctic Environmental Concerns: W. E. Massey,
A. C. Fraser-Smith, R. A. Hellwell, L. J. Lanzerotti,
T. J. Rosenberg • Superconducting Transition
Temperature of Doped C_{60}: Retraction: Z. Iqbal,

EDITORIAL

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PRODUCTS & MATERIALS

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Ceramic effigy from outside the Maya tomb of the Royal Scribe at Copán, Honduras, one of the artifacts 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. Wutte, 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), 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 microscopy of organic superconductors

Indicates accompanying News story or Perspective
Editor's Summary

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