



**1580, 1645,  
1647 & 1654**  
*Arabidopsis*, the plant  
geneticists' favorite

## NEWS & COMMENT

- Pediatric AIDS Vaccine Trials Set  
NIH Panel Ok's Vaccine Test—in a New Form **1568**
- Scripps Signs a Deal With Sandoz **1570**
- French Officials Panic Over Rare Brain  
Disease Outbreak **1571**
- Roche Gets Tough on Illicit Sales of  
PCR Reagent **1572**
- NIH Takes New Tack on Gene Mapping **1573**

## RESEARCH NEWS

- Having It Both Ways in the Mantle **1576**
- Quake Heightens Concern, Uncertainty **1578**
- Surprising New Target Found for  
Anti-Ulcer Drugs  **1579**
- Gene Research Flowers in *Arabidopsis*  **1580**

## PERSPECTIVE

- Paleoseismology: A Search for Ancient  
Earthquakes in Puget Sound  **1592**  
J. Adams

## ARTICLE

- Himalayan Tectonics, Weathering  
Processes, and the Strontium Isotope  
Record in Marine Limestones **1594**  
J. M. Edmond

## RESEARCH ARTICLES

- Roles of SWI1, SWI2, and SWI3  
Proteins for Transcriptional Enhancement  
by Steroid Receptors **1598**  
S. K. Yoshinaga, C. L. Peterson, I. Herskowitz,  
K. R. Yamamoto
- Phthalate Dioxygenase Reductase: **1604**  
A Modular Structure for Electron Transfer  
from Pyridine Nucleotides to [2Fe-2S]  
C. C. Correll, C. J. Batie, D. P. Ballou, M. L. Ludwig

## REPORTS

### ANCIENT EARTHQUAKE

- Abrupt Uplift Within the Past 1700  
Years at Southern Puget Sound, Washington **1611**  
R. C. Bucknam, E. Hemphill-Haley, E. B. Leopold
- A Tsunami About 1000 Years Ago in  
Puget Sound, Washington **1614**  
B. F. Atwater and A. L. Moore
- Paleoearthquakes in the Puget Sound  
Region Recorded in Sediments from  
Lake Washington, U.S.A. **1617**  
R. E. Karlin and S. E. B. Abella
- Prehistoric Rock Avalanches in the  
Olympic Mountains, Washington **1620**  
R. L. Schuster, R. L. Logan, P. T. Pringle
- Tree Ring Correlation Between  
Prehistoric Landslides and Abrupt Tectonic  
Events in Seattle, Washington **1621**  
G. C. Jacoby, P. L. Williams, B. M. Buckley

## DEPARTMENTS

THIS WEEK IN SCIENCE	1557	RANDOM SAMPLES	1574
EDITORIAL	1559	BOOK REVIEWS	1671
Superconductivity Revisited		<i>The Computational Brain</i> , reviewed by M. A. Arbib • <i>High Temperature Superconductivity</i> , D. Welch • <i>Sourcebook of Bacterial Protein Toxins</i> , M. Jackson	
LETTERS	1561	PRODUCTS & MATERIALS	1677
SCIENCESCOPE	1567		

## AAAS Board of Directors

Leon M. Lederman  
*Retiring President,  
Chairman*  
F. Sherwood Rowland  
*President*  
Eloise E. Clark  
*President-elect*  
Mary Ellen Avery  
Francisco J. Ayala  
Robert A. Froesch

Florence P. Haseltine  
Alan Schriesheim  
Jean'ne M. Shreeve  
Chang-Lin Tien  
Warren M. Washington  
  
William T. Golden  
*Treasurer*  
Richard S. Nicholson  
*Executive Officer*

John Abelson  
Frederick W. Alt  
Don L. Anderson  
Stephen J. Benkovic  
David E. Bloom  
Floyd E. Bloom  
Henry R. Bourne  
James J. Bull  
Kathryn Calame  
C. Thomas Caskey  
Dennis W. Choi

John M. Coffin  
Bruce F. Eldridge  
Paul T. Englund  
Richard G. Fairbanks  
Douglas T. Fearon  
Harry A. Fozzard  
Victor R. Fuchs  
Theodore H. Geballe  
Margaret J. Geller  
John C. Gerhart  
Roger I. M. Glass

Stephen P. Goff  
Corey S. Goodman  
Stephen J. Gould  
Ira Herskowitz  
Eric F. Johnson  
Stephen M. Kosslyn  
Michael LaBarbera  
Charles S. Levings III  
Harvey F. Lodish  
Richard Losick  
Anthony R. Means

Mortimer Mishkin  
Roger A. Nicoll  
William H. Orme-Johnson III  
Stuart L. Pimm  
Yeshayau Pocker  
Dennis A. Powers  
Ralph S. Quatrano  
V. Ramanathan  
Douglas C. Rees  
Erkki Ruoslahti  
Ronald H. Schwartz

Terrence J. Sejnowski  
Thomas A. Steitz  
Richard F. Thompson  
Robert T. N. Tjian  
Emil R. Unanue  
Geerat J. Vermeij  
Bert Vogelstein  
Harold Weintraub  
Zena Werb  
George M. Whitesides  
Owen N. Witte  
Keith Yamamoto