NEWS

The Hand on Your Purse Strings
"If we get into a fight, I'm not a pacifist."
192
Livermore Lab Chief Nuckolls Resigns Under Pressure
195
Report: All's Fair in NSF Major Awards Unveiled—11 Years Late
196
Nicotine Research: Key Study
196
SIDs Paper Triggers a Murder Charge
197
Livermore Physicists Ask for the Sun
198
Deep-Trench Research Waits on Balky Japanese Submersible
199
In Pittsburgh, Physicists Get Down to the Nitty-Gritty
200
Ecologists Dare to Ask: How Much Does Diversity Matter?
202
Trail of Toxins Leads Through Conference Rooms in Dallas
204

SPECIAL NEWS REPORT

Leroy Hood: Thinking Big in Seattle
206
UW Team Reaches Out to Grade- and High-School Students

POLICY FORUM

Science in the National Interest
221
B. A. Mikulski

PERSPECTIVES

Self-Organization in Living Cells
223
B. Hess and A. Mikhailov

The Evolution of Genetic Intelligence
224
D. S. Thaler

ARTICLE

Modulated Magnetic Phases in Rare Earth Metallic Systems
226
T. Chattopadhyay

RESEARCH ARTICLE

Neural Mechanisms for Forming a Perceptual Decision
231
C. D. Saltzman and W. T. Newsome

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Piet Borer
Michael S. Brown
Henry R. Bourne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Crutzen
Robert Desimone
Nicole Le Douarin
Bruce F. Ewing
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozard
Klaus Friedric
Theodore H. Geballe
Margaret J. Geier
John C. Gerhart
Roger L. M. Glass
Stephen P. Goff
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosslyn
Michael LaBarbera
Charles S. Leavings III
Alexander Levitzki
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means
Shigetada Nakamohi
Roger A. Nicoll
William H. Ome-
Johnson III
Stuart L. Pimm
Yveshaus Pickard
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
Erik Ruusahla
David C. Rube
Gottfried Schatz
Joeseph Schell
Ronald H. Schwartz
Terence J. Sejowacioski
Ellen Solomon
Thomas A. Steltz
Michael P. Blyker
Richard F. Thompson
Robert T. T. Tian
Emil R. Unanue
Gerrit J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto
Scanning electron micrograph of stomatal rows from a modern limber pine needle (image width is ~1 mm). The density of stomata (pores that permit a plant to exchange gases with the atmosphere) of needles from fossil pack rat middens decreased 17% during the last deglaciation, concomitant with a 30% increase in atmospheric CO₂. See page 239. [Micrograph: Peter K. Van de Water, Department of Geosciences, and David Bentley, Division of Biotechnology, Arizona Technology Laboratory, University of Arizona, Tucson]