NEWS & COMMENT

Rocky Road for Federal Research Inc. 496
Curriculum Reform: Project 2061 Offers a Benchmark 498
NSF Gains From NASA Budget Cut 499
Could Coulomb's Experiment Result in Coulomb's Law? 500
The Ozone Hole Reaches a New Low 501

RESEARCH NEWS

Managing the Genome Data Deluge 502
NIH, DOE Battle for Custody of DNA Sequence Data 504
Jupiter Hits May Be Palpable After All 505
Nobel Prizes: In Stockholm, a Clean Sweep for North America 506

POLICY FORUMS

Medical Centers of Excellence and Health Reform 523
M. E. DeBakey

The Political Debate About Health Care: Are We Losing Sight of Quality? 525
E. Chelinsky

PERSPECTIVES

Mantle Melting at High Pressure 529
J. M. Brown

The Future of DNA Sequencing 530
L. M. Smith

The Two-Component Pathway Comes to Eukaryotes 532
D. E. Koshland Jr.

ARTICLE

Germ-Line Gene Modification and Disease Prevention: Some Medical and Ethical Perspectives 533
N. A. Wivel and L. Walters

DEPARTMENTS

THIS WEEK IN SCIENCE 485
EDITORIAL 487
The American Research University

LETTERS 489

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Piet Borst
Michael S. Brown
Henry R. Bourne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Crutzen
Robert Desminne
Nicole Le Douarin
Bruce F. Elinson
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Eric A. Fossard
K. Friedrich
Theodore H. Geisler
Margaret J. Geller
John C. Gerhart
Roger J. 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. Levings III
Alexander Levitaki
Harvey F. Lodish
Richard Losick
Dane Mathis
Anthony R. Means
Shigetada Nakashima
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pimm
Yeshayahu Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
Erkki Ruoslahti
David C. Rubie
Gottfried Schatz
Josef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Stryker
Richard F. Thompson
Robert T. N. Tian
Emil R. Unanue
Gerard J. Varmei
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto

482
SCIENCE • VOL. 262 • 22 OCTOBER 1993

Downloaded from http://science.sciencemag.org/ on April 14, 2017
A reflex of a trap-jaw mechanism that is stimulated when trigger hairs on the inner edge of the mandible (not visible) are touched. See page 561. [Original photo: Ed Selig; additional photo illustration: Elizabeth Carroll]
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/262/5133

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