



**1115**  
 The science adviser's  
 first 2 weeks

## NEWS & COMMENT

- A 'Manhattan Project' for AIDS? History's Winners and Losers 1112
- Jack Gibbons: Plugging Into the Power Structure 1115
- A Worldly Approach to a New Accelerator 1116
- AAAS☆93: Brown Turns Up the Heat on Pork • Pasteur Notebooks Reveal Deception 1117

## RESEARCH NEWS

- Parkfield Quakes Skip a Beat Short-Term Prediction Takes Its Knocks, Too 1120
- Shiny Molecules Gain New Luster 1122
- Probing the Unsolved Mysteries of the Deep 1123
- Déjà Vu Guides the Way to New Antimicrobial Steroid 1125

## PERSPECTIVES

- Glowing Avalanches: New Research on Volcanic Density Currents 1130  
 G. A. Valentine and R. V. Fisher
- Mineralocorticoids, Glucocorticoids, Receptors, and Response Elements 1132  
 J. W. Funder

## 1130 Volcanic avalanches



## DEPARTMENTS

- |   |  |
|---|--|
| <b>THIS WEEK IN SCIENCE</b> 1101  | <b>RANDOM SAMPLES</b> 1118   |
| <b>EDITORIAL</b> 1103   | Education Reformer Forced Out • The Blight o' the Irish • Long Live the Lefties • The Invasion of Mars • Russians Admit Reactor Dumping • Twisted Fish Sex Scare • Third Time's a Charm for Roving Heart   |
| <b>LETTERS</b> 1105   | <b>BOOK REVIEWS</b> 1206   |
| Minorities in Science: The Dialogue: W. V. Sherman; C. Fresquez; F. C. Greenwood and H. Chang; H. H. Garrison; A. B. Clarkson, Jr.; G. Campbell, Jr.; E. Doman; D. T. Brazill and S. J. Mack; P. Evans; J. McCarter, M. Schreiber, R. Bhatnagar; J. Knox; Z. R. Sung; H. V. Wong; J. D. Ciparick; G. Wittig | <i>The Dynamic Genome</i> , reviewed by A. C. Spradling • <i>The Treatise on Invertebrate Paleontology</i> , H. Evans • <i>A History of Gastric Secretion and Digestion</i> , E. Straus • <i>Spectroscopy of the Earth's Atmosphere and Interstellar Medium</i> , J. Margolis • Vignettes: Anthropobotany • Books Received |
| <b>SCIENCESCOPE</b> 1111  | <b>PRODUCTS &amp; MATERIALS</b> 1211   |
| Biosphere advisers resign en masse, etc.  |  |

### AAAS Board of Directors

F. Sherwood Rowland  
*Retiring President, Chairman*  
 Eloise E. Clark  
*President*  
 Francisco J. Ayala  
*President-elect*  
 Robert A. Froesch  
 Florence P. Haseltine  
 William A. Lester, Jr.

Alan Schriesheim  
 Jean'ne M. Shreeve  
 Chang-Lin Tien  
 Warren M. Washington  
 Nancy S. Wexler  
 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