



**327**

Blowing nanobubbles

## NEWS & COMMENT

**Malaria Vaccine Raises a Dilemma** 320  
 Just Sign on the Dotted Line 321

**U.S.—Russian Space Science:** 323  
 Joint Mission Gets Off to Slow Start

**Astronomy: Panel Recommends** 324  
 “A Little Bit of Bitter Medicine”

**Scientists’ Champion Leaves Europe’s** 325  
 Top Research Job  
 France’s Firebrand Takes the Reins

**Italian Committee Loses Its Balance** 326

**Biotech Regulations: Germany Loosens** 326  
 Some Red Tape

## RESEARCH NEWS

**Small Spheres Lead to Big Ideas** 327

**Biggest Deep Quakes May Need Help** 329

**St. Louis Meeting Showcases** 330  
 “Creature Features”

**Mathematical Logic Flushes Out the** 332  
 Bugs in Chip Designs  
 Second-Guessing Intel 333

## PERSPECTIVES

**Erupting Neighbors—At Last** 340  
 S. N. Williams

**E-Cadherin: A Distant Member of the** 342  
 Immunoglobulin Superfamily  
 G. Wagner

## ARTICLE

**Photoemission Studies of High- $T_c$**  343  
 Superconductors: The Superconducting Gap  
 Z.-X. Shen, W. E. Spicer, D. M. King, D. S.  
 Dessau, B. O. Wells

## REPORTS

**Metastable Phases in Polar** 351  
 Stratospheric Aerosols  
 L. E. Fox, D. R. Worsnop, M. S. Zahniser,  
 S. C. Wofsy

**Mechanisms of Argon Retention in Clays** 355  
 Revealed by Laser  $^{40}\text{Ar}$ - $^{39}\text{Ar}$  Dating  
 H. Dong, C. M. Hall, D. R. Peacor, A. N.  
 Halliday

## DEPARTMENTS

**THIS WEEK IN SCIENCE** 309

**EDITORIAL** 311  
 The Importance of Intelligence

**LETTERS** 313  
 “The Duesberg Phenomenon”: Duesberg and Other  
 Voices: P. H. Duesberg; M. Delaney; F. A. Cline Jr.;  
 N. Birkett; S. A. Plotkin; J. Cohen • Chromosome  
 Behavior in Mutants Defective in DNA Meth-  
 ylation: Correction: H. M. Foss, C. J. Roberts,  
 K. M. Claeys, E. U. Selker • Sequence Correction:  
 S. W. Morris, M. N. Kirstein, M. B. Valentine,

K. Dittmer, D. N. Shapiro, A. T. Look, D. L.  
 Saltman

**SCIENCESCOPE** 319

**RANDOM SAMPLES** 334

**BOOK REVIEWS** 394

*Cancer from Beef*, reviewed by W. P. Browne •  
*Planetary Systems*, S. J. Weidenschilling • *Ecological*  
*Morphology*, J. G. Kingsolver, H. A. Woods, G.  
 Gilchrist • Vignettes • Books Received

**PRODUCTS & MATERIALS** 399

## Board of Reviewing Editors

Frederick W. Alt  
 Don L. Anderson  
 Michael Ashburner  
 Stephen J. Benkovic  
 David E. Bloom  
 Floyd E. Bloom  
 Piet Borst  
 Henry R. Bourne  
 Michael S. Brown  
 James J. Bull

Kathryn Calame  
 C. Thomas Caskey  
 Dennis W. Choi  
 John M. Coffin  
 F. Fleming Crim  
 Paul J. Crutzen  
 James E. Dahlberg  
 Robert Desimone  
 Bruce F. Eldridge  
 Paul T. Englund

Richard G. Fairbanks  
 Douglas T. Fearon  
 Harry A. Fozzard  
 Klaus Friedrich  
 Theodore H. Geballe  
 John C. Gerhart  
 Roger I. M. Glass  
 Stephen P. Goff  
 Peter N. Goodfellow  
 Corey S. Goodman

Ira Herskowitz  
 Eric F. Johnson  
 Stephen M. Kosslyn  
 Michael LaBarbera  
 Nicole Le Douarin  
 Charles S. Levings III  
 Alexander Levitzki  
 Harvey F. Lodish  
 Richard Losick  
 Reinhard Lührmann

Diane Mathis  
 Anthony R. Means  
 Shigetada Nakanishi  
 Roger A. Nicoll  
 Stuart L. Pimm  
 Yeshayau Pocker  
 Dennis A. Powers  
 Ralph S. Quatran  
 V. Ramanathan  
 Douglas C. Rees

T. M. Rice  
 David C. Rubie  
 Erkki Ruoslahti  
 Gottfried Schatz  
 Jozef Schell  
 Ronald H. Schwartz  
 Terrence J. Sejnowski  
 Ellen Solomon  
 Thomas A. Steitz  
 Michael P. Stryker

Robert T. N. Tjian  
 Emil R. Unanue  
 Geerat J. Vermeij  
 Bert Vogelstein  
 Harold Weintraub  
 Arthur Weiss  
 Zena Werb  
 George M. Whitesides  
 Owen N. Witte  
 William A. Wulf