

POLICY FORUM

Science Policy: The Candidates' Response 384

NEWS & COMMENT

Searching for Markers on the AIDS Trail 388
 Exploring Other Surrogate Markers

Dustup in the Bone Pile: Academics v. Collectors 391

Peering Through a Lens, Sharply 393

Who's Who Among Science Advisers 393

Study Casts Doubt on Hiroshima Data 394

NASA Urged to Pump Up Its First 'A' 394

Pinatubo Fails to Deepen the Ozone Hole 395

RESEARCH NEWS

Mortality: Overturning Received Wisdom 398

Chemists Cluster in Chicago to Confer on Cagey Compounds 400

An Everyman's Free-Electron Laser? 401

Dictyostelium Researchers Expect Gene Bonanza 402

Earth Gains a Retinue of Mini-Asteroids 403

PERSPECTIVE

New Ideas for Guiding the Evolution of a Quantum System 412
 S. A. Rice

ARTICLES

Macroscopic Quantum Effects in Nanometer-Scale Magnets 414
 D. D. Awschalom, D. P. DiVincenzo, J. F. Smyth

The Age and Size of the Universe 421
 S. van den Bergh

E2F: A Link Between the Rb Tumor Suppressor Protein and Viral Oncoproteins 424
 J. R. Nevins

RESEARCH ARTICLES

An Instability in Neutron Stars at Birth 430
 A. Burrows and B. A. Fryxel

DEPARTMENTS

THIS WEEK IN SCIENCE 377

EDITORIAL 379
 Concerning the Future of the NSF
 F. Albert Cotton

LETTERS 381
 Understanding Chemistry: H. D. Thier • Use of Animal Drugs: G. B. Guest • Hydrogen Bonding: B. C. Faust; G. A. Blake • Carbon Budget Estimates: E. B. Rastetter and R. A. Houghton; P. E. Kauppi, K. Mielikäinen, K. Kuusela

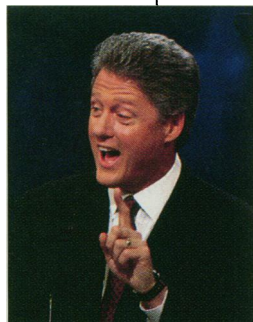
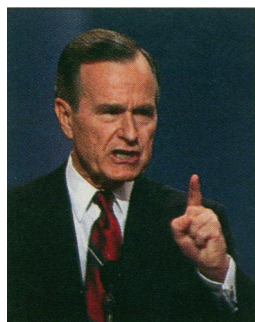
SCIENCESCOPE 387

RANDOM SAMPLES 396

AAAS MEETING SEMINAR 408

BOOK REVIEWS 487
The Creationists, reviewed by J. D. Hoeveler • *The Disability Business*, E. Berkowitz • *Dirt and Disease*, R. D. Apple • Books Received

PRODUCTS & MATERIALS 494



Bush and Clinton address *Science* questions

384



398, 457 & 461

Aging flies and models of mortality

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. Frosch

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

Board of Reviewing Editors