NEWS

The Decline of German Universities 172
Foreign Students Bypassing Germany 173
Disputed Results Now Just a Footnote 174
Panel Backs Joint Bion Mission 175
Earmark for New Ship Puts Academics Over Pork Barrel 176
Italian Bioethics: Embryo Report Opens Old Wounds 177
Publisher Draws Censorship Charge 177
Tobacco Studies: UC Objects to Research Restrictions 178
Silver Thread Boosts Current Capacity 178
Unruly Sun Emerges in Solar Observatory's First Results Spying On the Sun—on the Cheap 179
Evolutionary and Systematic Biologists Converge 181
Twinkle, Twinkle, Little Quasar 182

Protein Matchmaker May Lead New Gene Therapy to the Altar 183

SPECIAL NEWS REPORT

Putting Prions to the Test 184
Flipping Yeast 186
Prusiner and the Press 188

PERSPECTIVES

If a Tree Falls in the Forest... 201
M. Keller, D. A. Clark, D. B. Clark, A. M. Weitz, E. Veldkamp 202
The Shrewd Grasp of RNA Polymerase 202
R. Landick and J. W. Roberts 203
Rho Returns: Its Targets in Focal Adhesions 203
H. Bussey 205

ARTICLE

New Designs of Macroporous Polymers and Supports: From Separation to Biocatalysis 205
F. Svec and J. M. J. Fréchet 205

Do prions mangle proteins?

184

DEPARTMENTS

THIS WEEK IN SCIENCE 157
EDITORIAL 163
Scientific Imagination and Integrity K. J. Ryan

LETTERS 165
Not the "Dark Ages"—W. C. Barker and R. S. Ledley

SCIENCESCOPE 171

RANDOM SAMPLES 191
High Court Won't Review Hopwood • Manatee Killer Revealed • Canada Considers Gene Law

BOOK REVIEWS 196
Bendectin and Birth Defects, reviewed by S. Bartlett Foote • The Mismeasure of Man • The World According to Wavelets • Wavelets • Vignette • Books Received

PRODUCTS & MATERIALS 262

SCIENCE'S NEXT WAVE 265
Bioinformatics: New Frontier Calls Young Scientists

AAAS Board of Directors

Rita R. Colwell Retiring President, Chairman
Jane Lubchenco President
Mildred S. Dresselhaus President-elect

Sheila Jasanoff William A. Lester Jr. Simon A. Levin
Marcia C. Linn Michael J. Novacek
Anna C. Roosevelt Jean E. Taylor
Nancy S. Wexler

William T. Golden Treasurer
Richard S. Nicholson Executive Officer

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 1996 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $162 (US$5 allocated to subscription), Domestic institutional subscription (51 issues): $250. Foreign postage extra: Mexico, Caribbean (surface mail) $55; other countries (air assist delivery) $90. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #125488122. Printed in the U.S.A.
Section of a mural (dated 700 A.D.) found in an archaeological site at Cacaxtla, Mexico [under protection of the Instituto Nacional de Antropologia e Historia (INAH)]. The quetzal (70 centimeters, head to tail) is painted with Maya blue dye, a dye first discovered at Mayan sites. It is a mixture of clay, indigo, and metal particles in a silicate substrate. The clay and indigo form a superlattice, and scattered metal particles disperse light, producing this long-lasting blue color. See page 223. [Photo: Authorized reproduction of the INAH, under its responsibility.]

RESEARCH ARTICLE

Transcription Processivity: 211
Protein-DNA Interactions Holding Together the Elongation Complex
E. Nuñez, E. Avetisova, V. Markovtsova, A. Gol'dfarb

REPORTS

Compression of Ice to 210 Gigapascals: 218
Infrared Evidence for a Symmetric Hydrogen-Bonded Phase
A. F. Goncharov, V. V. Struzhkin, M. S. Somayazulu, R. J. Hemley, H. K. Mao

Making DNA Add
F. Guarnieri, M. Fliss, C. Bancroft

Maya Blue Paint: An Ancient Nanostructured Material
M. José-Yacamán, L. Rendón, J. Arenas, M. C. Serra Puche

Formation of Atomically Flat Silver Films on GaAs with a “Silver Mean” Quasi Periodicity
A. R. Smith, K.-J. Chao, Q. Niu, C.-K. Shih

Mechanism of Suppression of Cell-Mediated Immunity by Measles Virus

Structure of the Amino-Terminal Core Domain of the HIV-1 Capsid Protein

Polar Overdominance at the Ovine callipyge Locus

Structure of the FKB12-Rapamycin Complex Interacting with Binding Domain of Human FRAP

Long-Term Lymphohematopoietic Reconstitution by a Single CD34-Low/ Negative Hematopoietic Stem Cell
M. Osawa, K.-i. Hanada, H. Hamada, H. Nakauchi

Regulation of Myosin Phosphatase by Rho and Rho-Associated Kinase (Rho-Kinase)

Bipartite Ca²⁺-Binding Motif in C² Domains of Synaptotagmin and Protein Kinase C
X. Shao, B. A. Davletov, R. B. Sutton, T. C. Südhof, J. Rizo

Platelet-Mediated Lymphocyte Delivery to High Endothelial Venules

TECHNICAL COMMENTS

On Catching Fly Balls
J. L. Dannemiller, T. G. Babler, B. L. Babler; T. M. Jacobs, M. D. Lawrence, K. Hong, N. Giordano Jr., N. Giordano Sr.; M. K. McBeath, D. M. Shaffer, M. K. Kaiser

On the Web

Bioinformatics As a Career
http://sci.aaas.org/nextwave/niches-bioinformatics/
Science 273 (5272), 157-263.

http://science.sciencemag.org/content/273/5272

http://www.sciencemag.org/help/reprints-and-permissions