Who Controls a Researcher's Files? 1620
European Observatory Catches U.S. Star 1622
A Battered Gaspra Revealed 1622
Biting Back at Lyme Disease 1623
Popovic Defended by Technician 1623
The Biodiversity Treaty: Pandora's Box or Fair Deal? 1624
The Rowland Institute for Science: Land's Last Experiment 1625

A Surprise Animal Model for AIDS 1630
The Indonesia, Russia Connections 1630
AIDS Vaccines: Chimps Protected From Infected Cells 1632
Scene From a Solar Thriller 1632

Childhood Leukemia: Studies Set to Test Competing Theories About Early Infection 1633
Geophysicists Take a Tour Around the Solar System 1634

Plate Tectonics and Hotspots: The Third Dimension 1645
D. L. Anderson, T. Tanimoto, Y.-s. Zhang

The Tropical Timber Trade and Sustainable Development 1656
J. R. Vincent

Binding of human growth hormone to its receptor 1667
Computer visualization of the relation of neuronal activity in the motor cortex of a monkey to the forces exerted during hand movement. The neuronal population vector (green) predicts the dynamic force (red) but not the total force exerted by the monkey (purple) in the presence of a constant bias force (pink). See page 1692.

Hydrogen Exchange Measurement of the Free Energy of Structural and Allosteric Change in Hemoglobin
S. W. Englander, J. J. Englebard, R. E. McKinzie, G. K. Ackers, G. J. Turner, J. A. Westrick, S. J. Gill

Vaccine Protection of Chimpanzees Against Challenge with HIV-1–Infected Peripheral Blood Mononuclear Cells
P. N. Fultz, P. Nara, F. Barre-Sinouss, A. Chaput, M. L. Greenberg, E. Muchmore, M.-P. Kieny, M. Girard

Myoglobin in a Cyanobacterium
M. Potts, S. V. Angeloni, R. E. Ebel, D. Bassam

The Motor Cortex and the Coding of Force
A. P. Georgopoulos, J. Ashe, N. Smyrnis, M. Taira

TECHNICAL COMMENTS

PET Images of Blood Flow Changes During Anxiety: Correction
W. C. Drevets, T. O. Videen, A. K. MacLeod, J. W. Haller, M. E. Raichle

Vectors are successive 10-millisecond samples; yellow lines indicate overlapping green and red lines. [Computer graphics: Masato Taira and Apostolos Georgopoulos. Photography: Roger Paul. Production: Medical Media Service, Minneapolis VAMC]