This Week in Science

Instrumentation: J. I. BRAUMAN

ScienceScope

19 NASA scrambles to save rocket program; Europeans debate patenting of life; etc.

News & Comment

A Is for Apple, Alar, and . . . Alarmist? ■ A Bite Out of the Market
Free Speech and Clinical Trials Emphasizing the Health in NIH
Glenn Uncovers the Great Pizza Scandal
Reproductive Toxicity: Regulation Slow to Change
East Germany: Science in the Disservice of the State
Whistleblowing for Fun and Profit ■ The Hunt for Drugs From Nature ■ GOES-NEXT to Wait Out Next Round ■ Crème de la Crème ■ U.S. Still Balks at Greenhouse Talks ■ No Quick Fixes for Learning ■ Water Couldn’t Dash This BBQ

Research News

30 Doing Chemistry in the Round
32 A Long Look in the Extreme Ultraviolet
33 A Hand on the Bird—And One on the Bush
34 Gamma-Ray Observatory: Bursting with New Results
35 Transgenic Animals May Be Down on the Pharm
36 A First Investment in a Kaon Factory ■ Some Would KO KAON

Articles

43 Echo-Planar Imaging: Magnetic Resonance Imaging in a Fraction of a Second: M. K. STEHLING, R. TURNER, P. MANSFIELD
51 Determination of Macromolecular Structures from Anomalous Diffraction of Synchrotron Radiation: W. A. HENDRICKSON
59 Large-Scale and Automated DNA Sequence Determination: T. HUNKAPILLER, R. J. KAISER, B. F. KOOP, L. HOOD
74 Chemical Microsensors: R. C. HUGHES, A. J. RICCO, M. A. BUTLER, S. J. MARTIN

Research Article

COVER A cloud pouring over the western face of the Sentinel Range, Ellsworth Mountains, Antarctica. Fission-track analysis of samples from the Vinson Massif, Antarctica's highest mountain (4897 meters; 8 kilometers south of this photo), indicates that the Ellsworth Mountains were uplifted more than 4 kilometers during the Early Cretaceous (between 141 and 117 million years ago) and that at least 1.8 kilometers of relief has persisted since then. See page 92. [Photo by Ed Stump]