NEWS & COMMENT

A Slippery Slope for Science 1796
Spring Rush on Capitol Hill 1797

Mad Cow Disease: Scant Data 1798
Cause Widespread Concern

Sequencers Split Over Data Release 1798
Earthquake Prediction:
Chair Quits Japan Panel in Protest 1799

New Anticoagulant Prompts Bad Blood 1800
Between Partners
Clotting Controversy

Diversity Takes a Student Body Blow 1801
Ukraine: Cash-Starved Researchers to Undergo Trial by Peer Review
Research Stars Use Ingenuity to Survive 1803

RESEARCH NEWS

Superconductivity Turns 10 1804
A Piece of the Dinosaur Killer Found? 1806
New Neurons Use "Lookouts" to Navigate Nervous System 1807

DEPARTMENTS

TODAY IN SCIENCE 1785
EDITORIAL
Dancing with Wolves
M. R. C. Greenwood

LETTERS 1789
"Earth" Not Omitted Intentionally: R. S. Walker
Good Teaching: S. Datta; A. M. Young
Confidentiality: L. M. Guenin
Attenuated HIV Vaccine: Caveats: R. M. Ruprecht, T. W. Baba, V. Lisksa;
N. J. Deacon, D. A. McPhee, S. Crowe, J. Learmont, J. Mills
Structural Change Mechanisms in Regulatory Proteins: H. Weinstein and E. L. Mehler

Interferometer Maps Cosmic Microwaves on the Cheap 1809
"Amplifying" the Fine Details of Molecular Structure Is a Gas 1810
Minerals in Rock Mass Hold Clues to 400-Kilometer Ascent 1811

POLICY FORUM

Science and Diversity: A Compelling National Interest 1817
S. M. Malcolm

PERSPECTIVES

Warm Climate Surprises 1820
J. T. Overpeck
Cancer Risk of Low-Level Exposure 1821
M. Goldman
Notch and Wingless Signals Collide 1822
S. S. Blair
Chemical Communication in Honeybees 1824
G. E. Robinson
Enter Listeria, Unruffled 1825
R. B. Gallagher

Whistleblowers Not Polled: C. W. McCutchen 1795

SCIENCESCOPE 1813
RANDOM SAMPLES
BOOK REVIEWS 1814
AAAS NEWS & NOTES 1884
PRODUCTS & MATERIALS 1885
QUARTERLY INDEX 1887

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Optical micrograph (crossed polarizers) showing parallel dark rods of FeTiO₃ (up to 20 micrometers long) that precipitated from solution in the mineral olivine during tectonic transport of a piece of mantle to a location high in the Swiss Alps. These rods formed under high pressure at depths greater than 300 kilometers, indicating profound subduction of continental rocks after the collision of Africa and Europe and their return to the surface carrying this piece of mantle. See page 1841 and News story on page 1811. [Image: L. Dobrzynieckaya, H. W. Green II, and S. Wang]