NEWS

Guarding Against Internet Intruders
Learning to Live With a Fire Wall
Chechnya War Threatens Science
NAS to Lose Contract for A-Bomb Study
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Is the World Warming or Not?
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Getting the Poop on Baboon DNA
Brain Center Linked to Perfect Pitch
For a Successful Supernova, Mix Well, Then Explode

SPECIAL NEWS REPORT

Protein Images Update Natural History
Now Even Weaklings Can Image Proteins!
Industrial-Strength Protein Structures

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Rexexamining AIDS Research Priorities
W. E. Paul

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Explosive Evolution in Tertiary Birds
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ARTICLE

Ocean Tides for and from TOPEX/POSEIDON
C. Le Provost, A. F. Bennett, D. E. Cartwright

RESEARCH ARTICLE

Aminoacyl-RNA Synthesis Catalyzed by an RNA
M. Illangasekare, G. Sanchez, T. Nickles, M. Yarus

REPORTS

Metal Ions in the Atmosphere of Neptune
J. R. Lyons
Magnetic field intensity map at the surface of a thin-film niobium superconductor after a change in the external field. In the darker (gray) areas the field intensity remained frozen, but the lighter regions (light gray to purple to red) experienced increasing degrees of change. The regions of greatest change, according to theory, should have been at the edges of the sample (top and bottom). The photo was chosen from submissions from scientists chairing the 1995 Gordon Conferences. For information on this year's Gordon Conferences, see page 718. [Photo: C. A. Duran, P. L. Gammel, R. E. Miller, and D. J. Bishop at AT&T Bell Laboratories]