NEWS AND COMMENT

Everglades Rebound From Andrew 1852
Gene Therapy: Monkey Tests Spark Safety Review 1854
AIDS Patent Dispute: U.S. Officials Say Non on Royalties 1855
Gene Patents: Rumors Fly Over Rejection of NIH Claim 1855
New French Biomedical Center Breaks the Mold 1856
Agencies Split on Nutrition Advice 1857

1860 & 1933
Analysis of ancient DNA

RESEARCH NEWS
Physicists Take Aim at Antihydrogen 1858
A Fast Track to Antihydrogen?

30-Million-Year-Old DNA Boosts an Emerging Field
Science Imitates Art Imitating Science

Could Protons Be Mortal After All? 1862
Hungarian Fossils Stir Debate on Ape and Human Origins 1864
Planetesimal Found Beyond Neptune 1865

DEPARTMENTS
THIS WEEK IN SCIENCE 1841
EDITORIAL 1843
Instrumentation: J. I. Brauman

LETTERS 1845

SCIENCESCOPE 1851
Knockout punch to Kaon Factory?

RANDOM SAMPLES 1866
Soviet Biowarfare Apparatus: All Gone! • Newest, Largest Marine Sanctuary • Toshiba and Teachers Launch Contest • Neuroscience and Mental Illness • The Anatomy of Scientific Productivity • Monkeying With NSF’s Basic Mission?

INSIDE AAAS 1862
BOOK REVIEWS 1975
Against the Odds, reviewed by W. K. Mariner • Images of Materials, F. W. Gayle • A Passion for Physics, W. Moore • Vignettes: Performance Tests • Books Received

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Atomic force micrograph of a living cell, showing filamentous actin and other internal cellular structures. The ability of the atomic force microscope to "see" inside living cells, coupled with its potential for very high resolution imaging, may make this and related instruments powerful tools for molecular cell biology. See page 144 and the special section on instrumentation beginning on page 1885. [Micrograph: E. Henderson]