ADVANCEMENT
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447 This Week in Science

Editorial
449 Global Change

Letters

News & Comment
461 Soul-Searching After China Crackdown • Stories of Repression from China
463 Alaskan Oil Spill: Health Risks Uncovered
464 Fetal Tissue Transplants Win U.K. Approval • Germany to Ban Embryo Use
465 Funding Fight Over Facilities
466 Should States Regulate Biotechnology?

Research News
467 Big First Scored with Nerve Diseases
468 Deep Holes Yielding Geoscience Surprises • Drilling Has Its Rewards
470 Circumcision May Protect Against the AIDS Virus
472 Briefings: Layoffs Ahead at Brookhaven? • Scientists as Brainy as MBAs • Free NIH • Animal Activists Get Stony Brook Files • Worm Bites Dad • Hippocasts on the Launch Pad

Articles
480 What Has Caused the Secular Increase in Solar Nitrogen-15?: J. F. Kerridge
486 Drugs from Emasculated Hormones: The Principle of Syntopic Antagonism: J. Black

Research Articles
495 Neptune’s Story: P. Goldreich, N. Murray, P. Y. Longaretti, D. Banfield

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**Reports**

505 Melting Inhibition and Superheating of Ice by an Antifreeze Glycopeptide: C. A. Knight and A. L. DeVries


510 Hydrophobic Organization of Membrane Proteins: D. C. Rees, L. DeAntonio, D. Eisenberg


516 ß-Adrenergic Inhibition of Cardiac Sodium Channels by Dual G-Protein Pathways: B. Schubert, A. M. J. VanDongen, G. E. Kirsch, A. M. Brown

519 The Effect of Deprenyl (Selegiline) on the Natural History of Parkinson's Disease: J. W. Tetrad and J. W. Langston

522 Triggering of Allostery in an Enzyme by a Point Mutation: Ornithine Transcarbamoylase: L. C. Kuo, I. Zambidis, C. Caron


528 Domain Separation in the Activation of Glycogen Phosphorylase a: E. J. Goldsmith, S. R. Sprang, R. Hamlin, N.-H. Xuong, R. J. Fletterick

532 5-Bromo-2'-Deoxyuridine Blocks Myogenesis by Extinguishing Expression of MyoD1: S. J. Tapscott, A. B. Lassar, R. L. Davis, T. Weintraub

**Inside AAAS**


**Book Reviews**

541 Models of Nature, reviewed by D. Joravsky ■ Disenchanted Night, N. Harris ■ Some Other Books of Interest ■ Books Received

**Products & Materials**

546 3-D Molecular Simulation and Modeling ■ Blotting Apparatus ■ Numeric Computation Software ■ Portable Computer with Desktop Features ■ Object-Oriented Pascal ■ Literature

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**Cover**

C3H10T1/2 cells transfected with a MyoD1 expression vehicle. Nuclear expression of transfected MyoD1 was localized by antisera to MyoD1 and a rhodamine-conjugated secondary antibody (red). Expression of MyoD1 converted this fibroblast to a muscle cell, as shown by the expression of myosin heavy chain [visualized with a fluorescein-conjugated secondary antibody (green)]. DAPI staining shows the nuclei of untransfected cells (blue). See page 532. [Photograph by Stephen J. Tappcott]