This Week in Science

Editorial

429 Technology and Environment

Letters


News & Comment

436 Reading the Future in Loma Prieta
437 "We Have Built Our Houses on Sand"
438 Bad Vibes at Stanford
439 Japan Boosts Genome Research
440 Mud-Slinging Over Sewage Technology
443 Bush Awards Science, Technology Medals

Research News

444 Synthesizing Oils Is a Slippery Job \textit{\linebreak[0]Getting a Grip on Rubbing Bodies}
446 Gene-Transfer Technique Looks Bleak
447 An Unsung Legacy of the First Lunar Landing
448 Can Psychotherapy Delay Cancer Deaths?
449 Teller, Choo "Boost" Cold Fusion
450 \textit{Briefings}: Soviets Back in World Psychiatric Body \textit{\linebreak[0]Ford Launches Kids' Math Project} \textit{NSF to Terminate Princeton Center} \textit{Private Sector to Do British Sex Survey} \textit{Baltimore Says "I Do"} \textit{New Surgeon General}

Articles

451 The Unending Deposit Insurance Mess: E. J. Kane
457 Natural and Artificially Initiated Lightning: M. A. Uman, and E. P. Krider
465 Contributions of Bird Studies to Biology: M. Konishi, S. T. Emlen, R. E. Ricklefs, J. C. Wingfield

Reports

474 Holocene–Late Pleistocene Climatic Ice Core Records from Qinghai-Tibetan Plateau: L. G. Thompson, E. Mosley-Thompson, M. E. Davis, J. F. Bolzan, J. Dai, T. Yao, N. Gundestrup, X. Wu, L. Klein, Z. Xie
477 Carbon Dioxide Transport by Ocean Currents at 25\degree N Latitude in the Atlantic Ocean: P. G. Brewer, C. Goyet, D. Dyrssen
479 A Devonian Spinneret: Early Evidence of Spiders and Silk Use: W. A. SHEAR, J. M. PALMER, J. A. CODDINGTON, P. M. BONAMO

482 Intracellular Targeting and Structural Conservation of a Prohormone-Processing Endoprotease: R. S. FULLER, A. J. BRAKE, J. THORNER

486 Tonotopic Organization of the Auditory Cortex: Pitch Versus Frequency Representation: C. PANTEY, M. HOKE, B. LUTKENHÖNER, K. LEHNERTZ


494 Normal Expression of a Rearranged and Mutated c-myc Oncogene After Transfection into Fibroblasts: A. RICHMAN and A. HAYDAY


500 Human Cells Lacking mtDNA: Repopulation with Exogenous Mitochondria by Complementation: M. P. KING and G. ATTARDI

503 Myristoylated and Nonmyristoylated Forms of a Protein Are Phosphorylated by Protein Kinase C: J. M. GRAFF, J. I. GORDON, P. J. BLACKSHEAR


**Book Reviews**

510 We Are Here, reviewed by P. SUTTON ■ White Dwarfs, V. TRIMBLE ■ Second Messengers in Plant Growth and Development, D. E. HANKE ■ Some Other Books of Interest ■ Books Received

**Products & Materials**

514 HPLC “Designed for the Biochemist” ■ Plant Growth Chamber ■ Metabolic Prediction Software ■ Self-Masking Flow-Through Spectrophotometer Cells ■ High-Speed Detector for HPLC and HPCE ■ Lever Systems for Muscle Research ■ Literature