AssoCiATION
MKMWLLRM..FM
AMERICAN
SCIENCE
OF
FOR
THE
281
*The American
325 Cellular
Development
321 Geologic
318'


News & Comment
271 Nuclear Winter Debate Heats Up
273 Berkeley Changes Tack on Reactor
274 U.S.-Japan Study Aim Is Education Reform
275 NASA Announces a Plan to Reform Management Practices
276 NIH Finds Argentine Experiment Did Not Break U.S. Biotechnology Rules
277 Debate Over SDI Enters New Phase • The Conventional Look of Near-Term SDI
280 Briefing: House of Lords Wants U.K. Research Assessed • New French Minister

Research News
281 Fire! New Ways to Prevent It
283 The Texas Symposium on Relativistic Astrophysics: Keeping Current with Cosmic Strings • Exploring the Lyman-alpha Forest • New Variables for Quantum Gravity
285 A New Wave of Enzymes for Cleaving Prohormones

Articles
295 Development of a More Market-Oriented Economy in China: G. C. CHOW
299 Geologic Evolution of Northern Tibet: Results of an Expedition to Ulugh Muzzagh: P. MOLNAR, B. C. BURCHFIEL, Z. ZITYN, L. KUANGYI, W. SHUJI, H. MinMIN
305 The Molecular Genetics of Cancer: J. M. BISHOP

Research Articles
312 Many Random Sequences Functionally Replace the Secretion Signal Sequence of Yeast Invertase: C. A. KAISER, D. PREUSS, P. GRISAPI, D. BOSTEIN

Reports
318 Multiple Conformational States of Proteins: A Molecular Dynamics Analysis of Myoglobin: R. ELBER AND M. KARPPLUS
325 Cellular and Subcellular Heterogeneity of [Ca2+]i in Single Heart Cells Revealed by Fura-2: W. G. WIER, M. B. CANNELL, J. R. BERLIN, E. MARBAB, W. J. LEDERER
328 A Subset of Yeast snRNA's Contains Functional Binding Sites for the Highly Conserved Sm Antigen: N. Riedel, S. Wolin, C. Guthrie
331 Lunar-Moluated Geomagnetic Orientation by a Marine Mollusk: K. J. Lohmann and A. O. D. Willows
334 Myosin Rod Phosphorylation and the Catch State of Molluscan Muscles: L. Castellani and C. Cohen
337 Slow Transport of Tubulin in the Neurites of Differentiated PC12 Cells: C. H. Keith
340 Cytosolic Acidification as an Early Transductory Signal of Human Neutrophil Chemotaxis: I. Yuri and A. Oplatka
342 Chaotic Bursts in Nonlinear Dynamical Systems: R. L. Devaney
345 Forskolin and Phorbol Esters Reduce the Same Potassium Conductance of Mouse Neurons in Culture: D. S. Grega, M. A. Werz, R. L. Macdonald
354 Wind Speed and Mortality Rate of a Marine Fish, the Northern Anchovy (Engraulis mordax): R. M. Peterman and M. J. Bradford

Technical Comments

Book Reviews
371 No Ivory Tower, reviewed by C. S. Grubler ▪ Inner Space/Outer Space, P. J. E. Peebles ▪ Mind and Brain, B. Bridgeman ▪ Yeast Cell Biology, R. C. Dickson ▪ Books Received

Products & Materials
375 Data Acquisition Computer System ▪ Micropipette Injector ▪ Thermostable Inert Column ▪ Multichannel Pipetting Instrument ▪ Bioreactor ▪ Laser Power Stabilizers ▪ Literature

Cover: Triassic sandstone and shale in valley northeast of Ulugh Muztagh, the peak on the horizon and behind the glacier in the middle ground. Note rounded topography near the glacier where Triassic sandstone, siltstone, and shale crop out and the steep topography of the mountain where metamorphic equivalents of these Triassic rocks are more resistant to erosion. See page 299. [Peter Molnar, Massachusetts Institute of Technology, Cambridge, MA 02139]