1287 This Week in Science

1289 Desalination of Brackish and Marine Waters


1301 Cloning the Keck telescope; revisiting MIT’s tenure decisions; etc.

1302 Learning from an Acid Rain Program ■ How Bad Is Acid Rain? ■ Going for Broke on a Megamodel

1305 NIH Takes Heat for Lax Investigation ■ If at First We Don’t Succeed . . .

1306 Gallo Challenged on HIV Isolates ■ NCI Collaborations Suspended

1307 Science Television: Colleagues on Cable

1308 Science’s 20 Greatest Hits Take Their Lumps ■ Top 20: Hits of Duds?


1312 AIDS Vaccine Trials: Bumpy Road Ahead

1314 Perestroika Comes to Earthquake Forecasts ■ Earthquake Mind-Set Shaken?

1316 Radioastronomers Seek a Clear Line to the Stars

1317 Possible New Colon Cancer Gene Found

1318 Fuel Ethanol from Cellulosic Biomass: L. R. Lynd, J. H. CUSHMAN, R. J. NICHOLS, C. E. WYMAN

1323 Why Gases Dissolve in Liquids: G. L. POLLACK

1330 Peptide Processing and Targeting in the Neuronal Secretory Pathway: L. J. JUNG AND R. H. SCHELLER

1336 Cosmology in the Laboratory: Defect Dynamics in Liquid Crystals: I. CHUANG, R. DURRER, N. TUROK, B. YURKE

1343 Atomic Force Microscopy of Atomic-Scale Ledges and Etch Pits Formed During Dissolution of Quartz: A. J. GRATZ, S. MANNE, P. K. HANSMA
1346 Fluid Dynamics in Suspension-Feeding Blackfish: S. L. Sanderson, J. J. Cech, Jr., M. R. Patterson

1348 A Molecular Genetic Classification of Zooxanthellae and the Evolution of Animal-Algal Symbioses: R. Rowan and D. A. Powers

1351 Recombinase-Mediated Gene Activation and Site-Specific Integration in Mammalian Cells: S. O’Gorman, D. T. Fox, G. M. Wahl

1355 Multiple Representations of Pain in Human Cerebral Cortex: J. D. Talbot, S. Marrett, A. C. Evans, E. Meyer, M. C. Bushnell, G. H. Duncan

1358 Movement of Neural Activity on the Superior Colliculus Motor Map During Gaze Shifts: D. P. Munoz, D. Pélisson, D. Guittton

1360 Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triplet-Helix Formation: P. A. Beal and P. B. Dervan


1373 The Taming of Chance, reviewed by M. Schabas; The Elements Beyond Uranium, H. E. Gove; Evolutionary Trends, G. J. Vermeij; Large Marine Ecosystems, M. R. Reeve; Books Received

1377 Portable Metabolic Computer; Microcentrifuge; Stirring Hotplate Heats with Infrared; Aspirated Liquid Collector; UV Crosslinker; DNA Sequencing Kit; Duster for Lab Equipment; Literature