1187 This Week in Science

1189 The Race for the “Gold” in Research


1199 Gordon Conference meets its match; OSI gets a shakeup; etc.

1200 Major Setback for Alzheimer’s Models ■ Amyloid Deposits: A Case of Mistaken Identity
1202 Canadian Science Wins—and Loses
1203 The Fusion Community Picks Up the Pieces
1204 A Rocky Watch for Earthbound Asteroids ■ Giving a Nudge to an Asteroid
1206 Accountants Fret Over EOS Data ■ Should Heads Keep Rolling in Africa?
1207 Health Official Falls, Lands in NIH

1210 Weak Faults: Breaking Out All Over ■ Are Only Moving Faults Weak?
1212 What Goes Around Comes Around
1213 Drawing a Bead on Superdense Data Storage
1214 Antigen Processing: A New Pathway Discovered

1216 Germ Plasm Revisited and Illuminated: A. P. MAHOWALD
1217 β Ribbon: A New DNA Recognition Motif: S.-H. Kim

1219 Photon Number Squeezed States in Semiconductor Lasers: Y. YAMAMOTO, S. MACHIDA, W. H. RICHARDSON

1220 Briefing: The Role of the American Association for the Advancement of Science

1222 Iraq and the Future of Nuclear Nonproliferation: The Roles of Inspections and Treaties: J. F. PILAT

1230 Correlation Between Surface Free Energy and Surface Constitution: M. K. CHAUDHURY AND G. M. WHITESIDES

1232 Dissociation of Individual Molecules with Electrons from the Tip of a Scanning Tunneling Microscope: G. DJARDIN, R. E. WALKUP, PH. AVOURIS
C_{60} Rotation in the Solid State: Dynamics of a Faceted Spherical Top:
R. D. Johnson, C. S. Yannoni, H. C. Dorn, J. R. Salem, D. S. Bethune

Diffusion Creep in Perovskite: Implications for the Rheology of the Lower
Mantle: S.-I. Karato and P. Li

Mechanics of Wind Ripple Stratigraphy: S. B. Forrest and P. K. Haff

Effect of Sodium Salicylate on the Human Heat Shock Response:
D. A.Jurivich, L. Sistonen, R. A. Kroes, R. I. Morimoto

Cognitive and Motor Impairments Associated with SIV Infection in Rhesus
Monkeys: E. A. Murray, D. M. Rausch, J. Lendvay, L. R. Sharer, L. E. Eden

Converting Trypsin to Chymotrypsin: The Role of Surface Loops:
L. Hedstrom, L. Szilagyi, W. J. Rutter

Myotonic Dystrophy: An Unstable CTG Repeat in the 3’ Untranslated
Region of the Gene: M. Mahadevan, C. Tsilifidis, L. Sabourin,
G. Shutter, C. Amemiya, G. Jansen, C. Neville, M. Narang et al.

An Unstable Triplet Repeat in a Gene Related to Myotonic Muscular Dystrophy:
Y.-H. Fu, A. Pizzuti, R. G. Fenwick, Jr., J. King, S. Rajnarayan,

The Linguistic Basis of Left Hemisphere Specialization: D. P. Corina, J. Vaid,
U. Bellugi

Characterization of Peptides Bound to the Class I MHC Molecule HLA-A2.1 by
Mass Spectrometry: D. F. Hunt, R. A. Henderson, J. Shabanowitz,

HLA-A2.1–Associated Peptides from a Mutant Cell Line: A Second Pathway
of Antigen Presentation: R. A. Henderson, H. Michel, K. Sakaguchi,
J. Shabanowitz, E. Appella, D. F. Hunt, V. H. Engelhard

Gordon Research Conferences: A. M. Cruickshank ■ Application Form

Chain Reaction, reviewed by R. D. Cuff ■ Pioneer Ecologist, R. Cook ■
Mammoths, Mastodons, and Elephants, P. L. Koch ■ Vignettes: Our
Universities ■ Books Received

PCR/Sequencing Kit ■ Preparative Electrophoresis Cell ■ Activity Coefficient
Software ■ Autoradiograph Labeler ■ Multiple Peptide Synthesizer ■ HPLC
Absorbance Detector ■ Large Animal Exerciser ■ Literature