Editorial

PolymerS: J. I. BRAUMAN

Views of the Genome Project: D. D. BROWN; M. SYVANEN • Aging Studies: J. MEITES • Adaptive Optics: P. LÉNA • Correction: R. A. ZALUTSKY and R. A. NICOLL

ScienceScope

Review of electromagnetic fields at EPA; freedom of information at NIH; etc.

News & Comment

The Geopolitics of Nuclear Waste
Flap Erupts Over Dioxin Meeting
U.S. Bites Greenhouse Bullet and Gags • Bumpy Road to a Climate Treaty
AAAS Meeting Opens With Views From the Top • Science and Real Politik • Lederman and His Critics
Briefings: World Bank Environment Fund • Cruising the Digital Highway • Proving Einstein Right (or Wrong) • Looking for Planets • Campus Drinking • PMA Launches Ad Campaign • Public Attitudes Toward Gene Splicing • Physicists Hurting • How to Win a Westinghouse

Research News

Systematics Goes Molecular
Plastics Get Oriented—and Get New Properties
Mutation Identified as a Possible Cause of Alzheimer’s Disease
Transgenic Crops Get a Test in the Wild

Articles

PolymerS
Living Polymerization Methods: O. W. WEBSTER
DNA: A Model Compound for Solution Studies of Macromolecules: R. PECORA
Polymer-Polymer Phase Behavior: F. S. BATES
Polymer Brushes: S. T. MILNER

Research Article


Reports

Free Energy and Temperature Dependence of Electron Transfer at the Metal-Electrolyte Interface: C. E. D. CHIDSEY
Charge Separation in a Reaction Center Incorporating Bacteriochlorophyll for Photovoltaic Bacteriochlorophyll: C. KIRMAIER, D. GAUL, R. DEBEY, D. HOLLEN, C. C. SCHEINCK
Chemical Sensors Based on Controlled-Release Polymer Systems: S. M. BARNARD and D. R. WALT
COVER. Small-angle neutron scattering pattern obtained from a diblock copolymer after the application of an oscillatory shearing deformation. The hexagonal symmetry of the scattered neutrons derives from the long-range ordering of cylindrical microdomains (see p. 898). This issue of Science focuses on the physics and chemistry of polymers. [Data and image by K. Almdal, K. Mortensen, and F. S. Bates at the Risø National Laboratory in Denmark]