255 This Week in Science

Editorial

257 Instrumentation and Equipment

Letters


News & Comment

262 President’s AIDS Panel in Disarray
263 Bumps and Falls on the Road to Stockholm
265 Spotlight Brighter on Minorities in Science
266 Reinventing the Space Truck

Research News

269 What Is Worse Than “The Big One”?
271 New Sequencers to Take on the Genome
273 My Close Cousin the Chimpanzee
276 “On the Shelf” AIDS Drug in Clinical Trial

Articles

Bioanalytical Instrumentation

305 Time-Resolved X-ray Diffraction of Biological Materials: S. M. Gruner
319 The Role of Protein Structure in Chromatographic Behavior: F. E. Regnier
329 Magnetoencephalography and Epilepsy Research: D. F. Rose, P. D. Smith, S. Sato

Research Articles

Molecular structure can be inferred from spectral analysis of biological samples. Our understanding of structure and function has become increasingly fundamental, in part, because of advances in bioanalytical instrumentation. See page 305. [Cover design by Sharon Wolfgang, Washington, D.C.]