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Ultrahigh Pressure: Beyond 2 Megabars and the Ruby Fluorescence Scale: P. M. Bell, H. K. Mao, K. Goettel
Cyclophilin: A Specific Cytosolic Binding Protein for Cyclosporin A: R. E. Handschumacher et al.
Intraneuronal Substance P Contributes to the Severity of Experimental Arthritis: J. D. Levine et al.
Oncogene-Induced Transformation of C3H 10T1/2 Cells Is Enhanced by Tumor Promoters: W.-L. W. Hsiiao, S. Gattoni-Celli, I. B. Weinstein
Disulfide Bond Engineered into T4 Lysozyme: Stabilization of the Protein Toward Thermal Inactivation: L. J. Perry and R. Wetzel
Isolation and Culture of a Tetraploid Subpopulation of Smooth Muscle Cells from the Normal Rat Aorta: I. D. Goldberg et al.
Serotonin Selectively Inhibits Growth Cone Motility and Synaptogenesis of Specific Identified Neurons: P. G. Haydon, D. P. McCobb, S. B. Kater
Extrapulmonary Gas Exchange Enhances Brain Oxygen in Pigeons: M. H. Bernstein, H. L. Duran, B. Pinshow
Induction of Pituitary Lactotrope Differentiation by Luteinizing Hormone α Subunit: M. Bégeot et al.

COVER
Neutral sodium cloud which accompanies Jupiter’s satellite Io is shown at six different orbital phases. These images of the cloud were acquired by Earth-based observations and are shown to scale with Jupiter. Location and size of Io are indicated by the dot within the crossbars; its orbit is indicated by the dashed ellipse. Changes in the cloud’s apparent size and shape are largely the result of viewing perspective. See page 512. [B. A. Goldberg, G. W. Garneau, and S. K. LaVoie, Jet Propulsion Laboratory, Pasadena, California 91109] (Time-lapse movie version of the sodium cloud movements will be shown this winter at the National Air and Space Museum, Washington, D.C.)