This Week in Science

Editorial

249 Teaching and Research

Letters


News & Comment

260 The Rush to Publish ■ Lessons from Physics
263 Third Strike for Idaho Reactor
264 CDC Abandons Plans for AIDS Survey Healy Nominated
265 GAO and DOD Get Into a Cat Fight
266 Science Literacy: The Enemy Is Us ■ Science’s Top 20 Greatest Hits

Research News

268 New Light on Writing in the Americas
271 Montagnier Pursues the Mycoplasma-AIDS Link
272 Despite Reports of Its Death, the Big Bang Is Safe
274 Global Temperature Hits Record Again
275 Briefings: Radiation Research Shake-Up ■ Private Initiative on Fetal Research ■ U.K. Antes Up for Telescopes ■ George Mason to Set Up Think Tank

Articles

283 Chemistry and Biology of the Immunophilins and Their Immunosuppressive Ligands: S. L. Schreiber

Research Article

288 CCAAT-Enhancer Binding Protein: A Component of a Differentiation Switch: R. M. Umek, A. D. Friedman, S. L. McKnight

Reports

293 An Antimony Sulfide with a Two-Dimensional, Intersecting System of Channels: J. B. Parise
COVER Lakes and ponds on the arctic tundra with Itigaknit Mountain in the background, North Slope, Alaska. These aquatic ecosystems are continuously releasing carbon dioxide to the atmosphere. Much of the carbon originates in terrestrial environments, and accounting for this release substantially lowers the estimate of the worldwide arctic sink for atmospheric carbon dioxide. See page 298. [Photograph by George W. Kling]

294 Local Structure and Chemical Shifts for Six-Coordinated Silicon in High-Pressure Mantle Phases: J. F. STEBBINS and M. KANZAKI

298 Arctic Lakes and Streams as Gas Conduits to the Atmosphere: Implications for Tundra Carbon Budgets: G. W. KLING, G. W. KIPPHUT, M. C. MILLER

301 Putative Skeletal Neural Crest Cells in Early Late Ordovician Vertebrates from Colorado: M. M. SMITH

303 Altered Perception of Species-Specific Song by Female Birds After Lesions of a Forebrain Nucleus: E. A. BRENOWITZ

305 The Effect of Anti-Neoplastic Drugs on Murine Acquired Immunodeficiency Syndrome: C. SIMARD and P. JOLICOEUR

308 Evidence for Biased Gene Conversion in Concerted Evolution of Ribosomal DNA: D. M. HILLIS, C. MORITZ, C. A. PORTER, R. J. BAKER

310 The Effect of the Floor Plate on Pattern and Polarity in the Developing Central Nervous System: S. HIRANO, S. FUSE, G. S. SOHAL

313 Regulation of Interleukin-2 Gene Enhancer Activity by the T Cell Accessory Molecule CD28: J. D. FRASER, B. A. IRVING, G. R. CRABTREE, A. WEISS

Technical Comments


Book Reviews

324 Authors of Their Own Lives, reviewed by A. SICA ■ Australian Ecosystems, M. LOWMAN ■ Thalamic Oscillations and Signaling AND Brainstem Control of Wakefulness and Sleep, C. KOCH ■ Books Received

Products & Materials

328 Protein Immunoblotting Incubation Rotator ■ Micromanipulator Table ■ Leiden Microuncubator ■ Freezing Stage with Microtome ■ Data Analysis for the Macintosh ■ Monoclonal Antibodies ■ Literature
251 (4991)

Science 251 (4991), 247-328.