

American Journal of Science

SEPTEMBER 2012

CONTENTS

- The new North American Varve Chronology: A precise record of southeastern Laurentide Ice Sheet deglaciation and climate, 18.2-12.5 kyr BP, and correlations with Greenland ice core records 685
John C. Ridge, Greg Balco, Robert L. Bayless, Catherine C. Beck, Laura B. Carter, Jody L. Dean, Emily B. Voytek, and Jeremy H. Wei
- Origin of an unusual monazite-xenotime gneiss, Hudson Highlands, New York: SHRIMP U-Pb geochronology and trace element geochemistry 723
John N. Aleinikoff, Richard I. Grauch, Frank K. Mazdab, Loretta Kwak, C. Mark Fanning, and Sandra L. Kamo
- Paleogeographic and tectonic evolution of the Pranhita-Godavari Valley, Central India: A stratigraphic perspective 766
Asru K. Chaudhuri, Gautam K. Deb, Sarbani Patranabis-Deb, and Soumen Sarkar