

American Journal of Science

FEBRUARY 2001

CONTENTS

- Paleo-geomorphology of the Sierra Nevada, California, from (U-Th)/He ages in apatite
Martha A. House, Brian P. Wernicke, and Kenneth A. Farley 77
- Gibbs energy of formation of dolomite from electrochemical cell measurements and theoretical calculations
Peter A. Rock, Gregory K. Mandell, William H. Casey, and Erin M. Walling 103
- Seawater strontium isotopes, oceanic anoxic events, and seafloor hydrothermal activity in the Jurassic and Cretaceous
Charles E. Jones and Hugh C. Jenkyns 112
- New evidence for Cretaceous strike-slip faulting in the United States Cordillera and implications for terrane-displacement, deformation patterns, and plutonism
Sandra J. Wyld and James E. Wright 150
- GEOCARB III: A revised model of atmospheric CO₂ over Phanerozoic time
Robert A. Berner and Zavaresh Kothavala 182