

American Journal of Science

MARCH 2021

CONTENTS

- Carbon cycle evolution before and after the Great Oxidation of the atmosphere
Don E. Canfield 297
- Unmixing multiple metamorphic muscovite age populations with powder X-ray
diffraction and $^{40}\text{Ar}/^{39}\text{Ar}$ analysis
*Ryan J. McAleer, David L. Bish, Michael J. Kunk, Peter M. Valley, Gregory J. Walsh,
and Robert P. Wintsch* 332
- $^{40}\text{Ar}/^{39}\text{Ar}$ and LA-ICP-MS U-Pb geochronology for the New England portion of
the Early Cretaceous New England-Quebec igneous provinces: Implications
for the postrift evolution of the eastern North American Margin
Jennifer R. Cooper Boemmels, Jean M. Crespi, Laura E. Webb, and Julie C. Fosdick 365