

REVIEWS IN MINERALOGY AND GEOCHEMISTRY

Volume 75 2013

Carbon in Earth

EDITORS

Robert M. Hazen

*Geophysical Laboratory, Carnegie Institution of Washington
Washington, DC 20015, U.S.A.*

Adrian P. Jones

*Earth Sciences, University College London
Gower Street, London WC1E 6BT, United Kingdom*

John A. Baross

*School of Oceanography and Astrobiology Program
University of Washington
Seattle, Washington 98195, U.S.A.*

ON THE FRONT COVER: Earth as seen from space. Elektro-L weather satellite image collected May 2011 by the Russian Federal Space Agency Research Center for Earth Operative Monitoring (NTS OMZ). Image was processed by James Drake (<http://infinity-imagined.tumblr.com/>) and can be found at <http://planet--earth.ca>.

Inset images (top to bottom): ∞ Cartoon illustrating the range of deep-Earth processes that likely influence the long-term carbon cycle. See Figure 1 in Chapter 7 by Dasgupta. ∞ Predicted high-pressure orthorhombic structure of CaCO₃. See Figure 14b in Chapter 3 by Oganov et al. ∞ The biomineralized calcium carbonate eye lenses of the trilobite *Erbenochile erbeni*. See Figure 5 in Chapter 4 by Hazen et al. ∞ Carbonatite lava flow from an eruption of Oldoinyo Lengai, Tanzania. Photo courtesy of Tobias Fischer.

Series Editor: Jodi J. Rosso

MINERALOGICAL SOCIETY OF AMERICA
GEOCHEMICAL SOCIETY