



Mineralogical Society of America

www.minsocam.org

PRESIDENT'S LETTER



David Vaughan

Ongoing Business

My nearly two months in the role of president have taught me how fortunate we are as members of MSA to have such dedicated people working behind the scenes, both at the office in Chantilly and spread more widely. The job of running a learned society is becoming ever more complex, with challenges that range from dealing with new US Government legislation to publishing in the age of 'open access' and rapidly advancing communication technologies. I see MSA not only rising to these challenges but, in many cases, providing leadership for the larger communities of which we are part.

The developments touched on in my last President's Letter continue to move forward. In particular, we hope soon to formalise our collaborations with some of our European 'sister' societies through memoranda of understanding. These will lead to regular discussions aimed at both raising awareness of our existing activities and at exploring the possibilities of joint meetings and publications. We are also very much involved in an ongoing debate about the archiving of large bodies of data and the possibility of some form of (electronic) journal associated with such data. It is early days as yet, although this field is moving ahead very rapidly.

I also have some other new developments to mention in this letter. One is concerned with setting up a series of meetings that we are initially entitling 'workshops'. These would be half- or one-day events with a handful (perhaps only one, two or three) invited speakers and focusing on a 'hot topic'. The target audience would be students and early-career scientists. There would not be any new publications involved, but we might consider making the workshops more widely available via electronic media. These workshops would be very different from our short course program, which involves the considerable costs of a residential course and the complications of concurrently producing the *Reviews in Mineralogy and Geochemistry* volumes (which are very detailed, authoritative and comprehensive publications). Workshops should appeal to a different audience from that attending short courses or, indeed, attending a thematic session at a conference such as the GSA Annual Meeting.

Another development concerns the MSA website. The current site functions very well and enables members or enquirers to get ready access to the information they need. However, as our 'shop window' it is appropriate that we periodically give it a fresh look, and that is what is happening at the moment, thanks to the sterling efforts of our webmaster and our executive director. This is definitely a case of 'watch this website.'

David J. Vaughan (david.vaughan@manchester.ac.uk)
2014 MSA President



Purchase single journal articles or book chapters, in either print or electronic form, from the *American Mineralogist* (v85 (2000) to present), *Clay Minerals*** (v35 (2000 to present), *Elements* (v1 (2005) to present), *Mineralogical Magazine*** (v64 (2000) to present), and *Reviews in Mineralogy and Geochemistry* (v1 (1974) – present). It is also possible to purchase (a) content from these publications specially assembled and priced for course packs and (b) entire volumes of the out-of-print *Reviews*. (** newly added!)

NOTES FROM CHANTILLY

- MSA will use electronic balloting for its 2014 election of MSA officers and councilors. The slate of candidates follows. President: Steven B. Shirey, Carnegie Institution of Washington; vice president (one to be selected): Carol D. Frost, University of Wyoming, and Rebecca A. Lange, University of Michigan; treasurer: Howard W. Day, University of California–Davis; councilors (two to be selected): Barry R. Bickmore, Brigham Young University; Abby Kavner, University of California–Los Angeles; Matthew J. Kohn, Boise State University; and Donna L. Whitney, University of Minnesota. Andrea Koziol continues in office as secretary. Continuing councilors are Isabelle Daniel, Kirsten P. Nicolaysen, Edward S. Grew, and Wendy Panero.
- Ore Microscopy and Ore Petrography*, by James R. Craig and David J. Vaughan, is available at the "Open Access Publications" link on the MSA home page. Also available are the *Guide to Thin Section Microscopy*, by Michael M. Raith, Peter Raase, and Jurgen Reinhardt; *Teaching Mineralogy*, by John B. Brady, David W. Mogk, and Dexter Perkins II (editors); and *Carbon in Earth*, by Robert M. Hazen, Adrian P. Jones, and John A. Baross (editors). These publications are made freely available by the authors, a funding organization, or MSA. MSA will host additional open access publications about mineralogy, crystallography, petrology, and geochemistry of interest to its membership. If you have a publication you would like to post on this site, please contact the MSA business office.
- All 2012 and 2013 MSA members have been contacted by mail, electronically, or both about renewing their membership for 2014. If you have not renewed your MSA membership, please do so. If you have not received a notice by the time you read this, please contact the MSA business office. You can also renew online at any time.

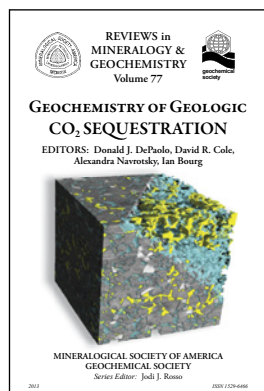
J. Alex Speer (jaspeer@minsocam.org)
MSA Executive Director

NOMINATIONS SOUGHT FOR MSA AWARDS

- The **Roebing Medal** (2015) is MSA's highest award and is given for eminence as represented by outstanding published original research in mineralogy.
- The **Dana Medal** (2016) recognizes continued outstanding scientific contributions through original research in the mineralogical sciences by an individual in the midst of their career.
- The **Mineralogical Society of America Award** (2015) is given for outstanding published contribution(s) prior to the 35th birthday or within 7 years of the PhD.
- The **Distinguished Public Service Medal** (2015) is presented to an individual who has provided outstanding contributions to public policy and awareness about mineralogical topics through science.
- Society **Fellowship** is the recognition of a member's significant scientific contributions. Nomination is undertaken by one member with two members acting as cosponsors. Form required; contact the committee chair or visit MSA's home page.

Submission requirements and procedures are on MSA's home page: www.minsocam.org. Nominations must be received by June 1, 2014.

NEW TITLE: REVIEWS IN MINERALOGY & GEOCHEMISTRY



Volume 77 – Geochemistry of Geologic CO₂ Sequestration

EDITORS: Donald J. DePaolo, David R. Cole, Alexandra Navrotsky, and Ian C. Bourg

i–xiv + 539 pages, ISBN 978-0-939950-92-8

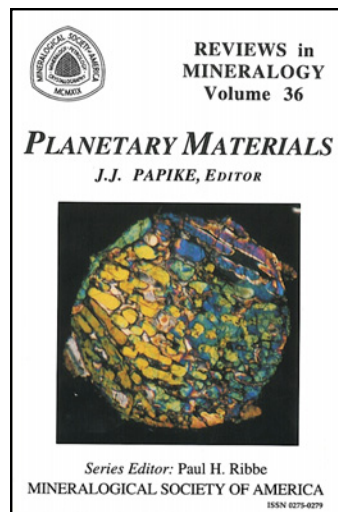
Geologic carbon sequestration (GCS)—in concert with energy conservation, increased efficiency in electric power generation and utilization, increased use of lower-carbon-intensity fuels, and increased use of nuclear energy and renewable energy sources—is now considered

necessary to stabilize atmospheric levels of greenhouse gases and global temperatures at values that would not severely impact economic growth and the quality of life on Earth. Geological formations, such as depleted oil and gas fields, unmineable coal beds, and brine aquifers, are likely to provide the first large-scale opportunity for concentrated sequestration of CO₂.

The specific scientific issues that underlie subsurface sequestration technology involve the effects of fluid flow combined with chemical, thermal, mechanical, and biological interactions between fluids and surrounding geologic formations. Complex and coupled interactions occur both rapidly, as the stored material is emplaced underground, and gradually, over hundreds to thousands of years. The long sequestration times needed for effective storage, the large scale of GCS globally necessary to significantly impact atmospheric CO₂ levels, and the intrinsic spatial variability of subsurface formations provide challenges to both scientists and engineers. A fundamental understanding of mineralogical and geochemical processes is integral to the success of GCS. Large-scale injection experiments that will be carried out and monitored in the next decade will provide a unique opportunity to test our knowledge of fundamental hydrogeology, geochemistry, and geomechanics.

For a description and to order online, go to www.minsocam.org/.

PLANETARY PUBLICATIONS FROM MSA

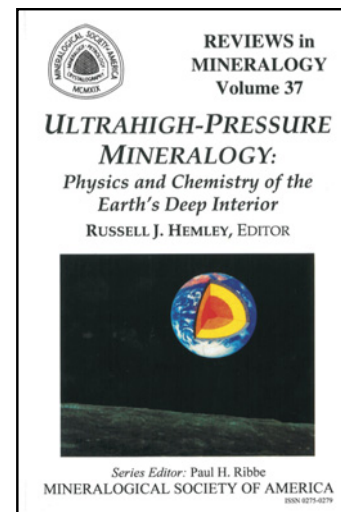


REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 36

PLANETARY MATERIALS

J.J. PAPIKE, EDITOR

Series Editor: Paul H. Ribbe
MINERALOGICAL SOCIETY OF AMERICA
ISSN 0273-0279



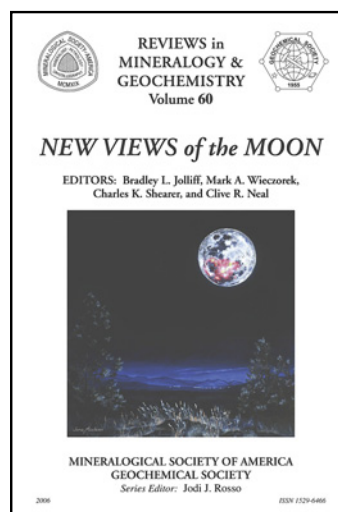
REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 37

ULTRAHIGH-PRESSURE MINERALOGY:

Physics and Chemistry of the Earth's Deep Interior

RUSSELL J. HEMLEY, EDITOR

Series Editor: Paul H. Ribbe
MINERALOGICAL SOCIETY OF AMERICA
ISSN 0273-0279

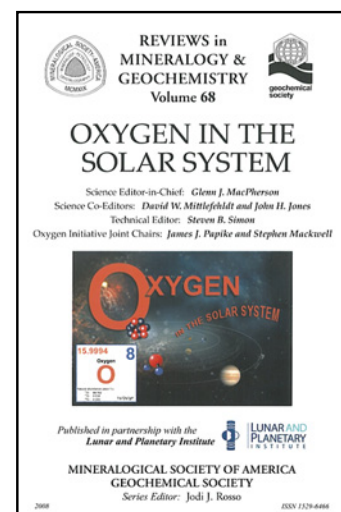


REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 60

NEW VIEWS of the MOON

EDITORS: Bradley L. Jolliff, Mark A. Wieczorek, Charles K. Shearer, and Clive R. Neal

MINERALOGICAL SOCIETY OF AMERICA
GEOCHEMICAL SOCIETY
Series Editor: Jodi J. Rosso
ISSN 0273-0279



REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 68

OXYGEN IN THE SOLAR SYSTEM

Science Editor-in-Chief: Glenn J. MacPherson
Science Co-Editors: David W. Mittlefehdt and John H. Jones
Technical Editor: Steven B. Simon
Oxygen Initiative Joint Chairs: James J. Papike and Stephen Mackwell

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MINERALOGICAL SOCIETY OF AMERICA
GEOCHEMICAL SOCIETY
Series Editor: Jodi J. Rosso
ISSN 1529-4466

For a description and a table of contents of these books and to order online, visit www.minsocam.org or contact the Mineralogical Society of America, 3635 Concorde Pkwy Ste 500, Chantilly, VA 20151-1110, USA; phone: +1 (703) 652-9950; fax: +1 (703) 652-9951; e-mail: business@minsocam.org.

THE MINERALOGICAL SOCIETY OF AMERICA

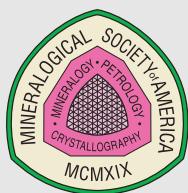
2015 GRANTS FOR

Research in Crystallography

from the Edward H. Kraus Crystallographic Research Fund
with contributions from MSA members and friends

Student Research in Mineralogy and Petrology

from an endowment created by MSA members



Selection is based on the qualifications of the applicant; the quality, innovativeness, and scientific significance of the research as judged from a written proposal; and the likelihood of success of the project. There are five US\$5000 grants, with the restriction that the money be used in support of research. Application instructions and online submission are available on

the MSA website, www.minsocam.org. Completed applications must be submitted by June 1, 2014.

MINERALOGICAL SOCIETY OF AMERICA AND GEOCHEMICAL SOCIETY SHORT COURSE ANNOUNCEMENT

Environmental Geochemistry, Mineralogy, and Microbiology of Arsenic

15–16 June 2014 (after Goldschmidt 2014)

Miner's Foundry, Nevada City, California, USA

CONVENORS: R. J. Bowell, C. N. Alpers, H. E. Jamieson, D. K. Nordstrom, and J. Majzlan

Information and registration: www.minsocam.org