



Mineralogical Society of America



web

www.minsocam.org

PRESIDENT'S LETTER



Michael Brown

Quo Vadimus?

Unless you have been marooned on a desert island, stranded in the field for too long, or trapped on the Space Station, you should know that the 100th birthday of the Mineralogical Society of America (MSA) is only a year away. As we approach our second century, let me explain the continuing celebration of our centennials. I say centennials because on 1 July 1916 “a new monthly publication for which the name *American Mineralogist* has been selected” was initiated (1916, *American Mineralogist* v1n1, p9), as Past-President John Hughes discussed in his October 2013 letter. Indeed, I am sure you will have read more than one of the 41 invited centennial articles that have appeared since the first by Past-President Gary Ernst in January 2015. But 1916 was not the year that the society was founded; that did not occur until 30 December 1919, as Past-President George Harlow reviewed in his October 2017 *Elements* letter. Thus, our ‘centennial’ celebration is actually a multi-year event!

The first issue of (*The*) *American Mineralogist* was only 16 pages long. It included just two short scientific articles: one on lamellar calcite (2 pages), and the other on columnar manganocalcite (1 page). The whole of volume 1 totaled just 102 pages. By contrast, volume 102 has 261 items, of which 216 are full-length scientific articles, and comprises 2,784 pages plus over 160 items of online supplemental material. How times have changed! Now *American Mineralogist* is a “journal of Earth and planetary materials” whose breadth includes “mineralogy and crystallography, high- and low-temperature geochemistry, petrology, geofluids, biogeochemistry, biomineralogy, synthetic materials of relevance to the Earth and planetary sciences, and breakthroughs in analytical methods of any of the aforementioned.” This breadth is reflected in the topics of the centennial articles, which range from petrology on Mars to mineral structures, from metamorphic chronology to boron minerals, and from fluids and trace-element transport in subduction zones to the cancrinite-group minerals.

The breadth of our interests is a challenge for us. Historically, our awards luncheon takes place on the Tuesday of the Geological Society of America (GSA) Annual Meeting. Although this meeting is broad, the range of topics does not include something of interest to all MSA members—it never has. However, the number of sessions at the meeting that are attractive to MSA members is up to us. Unfortunately, this letter will appear after the deadline to propose sessions for the 2018 GSA Annual Meeting in Indianapolis (Indiana, USA) on 4–7 November, but I will be working behind the scenes to increase the number of MSA-sponsored sessions for the 2018 meeting. Now you have the rest of 2018 to think about proposing exciting sessions for the 2019 GSA Annual Meeting in Phoenix (Arizona, USA) on 22–25 September.

We will celebrate the foundation of our society at a special centennial symposium to be held 20–21 June 2019 in Washington DC (USA). During the past year, Past-President Peter Heaney, Chair of the MSA Centennial

Committee, has sent out several announcements about this event and the theme sessions that will form the backbone of the symposium. The symposium will be forward looking as we enter our second century. As a prelude, Past-Presidents George Harlow, Barbara Dutrow and Peter Heaney are convening a session entitled “Mineralogy Past, Present and Future: Preparing for the Next 100 Years of the Mineralogical Society of America” at the XXII Meeting of the International Mineralogical Association to be held 13–17 August 2018 in Melbourne (Australia). Also, I anticipate there will be promotional sessions with retrospective–prospective themes at the 2018 GSA Annual Meeting in Indianapolis. Notwithstanding the political climate, these are exciting times in the mineralogical sciences, and we will celebrate them heartily in 2019. Our achievements during our second century as a first-class mineralogical society will only be limited by our imagination.

Michael Brown
2018 MSA President

NOTES FROM CHANTILLY

- MSA will have electronic balloting for the 2018 election of 2019 MSA officers and councilors. The slate of candidates—President: Mickey E. Gunter, University of Idaho; Vice President (one to be selected): Carol D. Frost, University of Wyoming, and Kimberly T. Tait, Royal Ontario Museum (Canada); Treasurer: Thomas S. Duffy, Princeton University; Councilors (two to be selected): Aaron Celestian, Los Angeles County Natural History Museum; Vincent van Hinsberg, McGill University; Mark Caddick, Virginia Tech; Adam Simon, University of Michigan. Continuing in office as Secretary is Bryan C. Chakoumakos, Oak Ridge National Laboratory. Continuing Councilors for 2019 will be Sarah K. Carmichael, Appalachian State University; Sarah C. Penniston-Dorland, University of Maryland; Jay J. Ague, Yale University; and Donna L. Whitney, University of Minnesota.
- At its fall 2017 meeting, MSA Council decided that future Reviews in Mineralogy & Geochemistry volumes will be digitally printed (= print-on-demand). There is a higher cost, but the quality is higher, and authors can include color figures anywhere where needed in their chapters at a lower cost. The additional advantage is that less inventory will be generated.
- The Superior Court of the District of Columbia – Probate Division acted favorably on MSA’s petition to remove the 25–35 age restriction of persons to whom Kraus research grants may be made. Grants can now be made to candidates of any age, including beginning graduate students.
- All 2016 and 2017 MSA members have been contacted by mail, electronically, or both about renewing their membership for 2018. 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 renew online any time.
- In addition to nominating individuals for MSA awards described in the notice of this issue, consider other society’s awards and grants: the Distinguished Geologic Career Award of the GSA’s Mineralogy, Geochemistry, Petrology, & Volcanology (MGPV) Division and the MGPV Early Career Awards; the Ian Campbell Medal of the American Geosciences Institute; and the GSA’s Graduate Student Research Grants, especially the Specialized Awards, which include the Lipman Research Fund and the GSA Mineralogy, Geochemistry, Petrology, & Volcanology Division research grants.

J. Alex Speer
MSA Executive Director

IN MEMORIAM

JEAN F. DEMOUTHE – MSA member since 1972

HARRY GREEN – MSA member since 1984

ROBERT LUEDKE – MSA member since 1959

PETE DUNN – MSA member since 1975

MICHAEL FLEET – MSA member since 1971

SHORT COURSE ANNOUNCEMENT

Mineralogical Society of America and Geochemical Society
Short Course Announcement

High Temperature Gas–Solid Reactions in Earth and Planetary Processes

ORGANIZERS: Penny King and Richard Henley,
Australian National University

DATE AND LOCATION: 10–12 August 2018 (before the Goldschmidt Conference of 12–17 August 2018) in Boston (Massachusetts, USA)

Gas mixtures play a crucial role in distributing elements between different parts of Earth and planet-forming systems over a range of settings and temperatures. The goal of this short course is to review, update, and synthesize the current knowledge of high-temperature gas–solid reactions relevant to the geosciences. In addition, we aim to grow research in an area that has previously received little attention, yet is critical for advancing our understanding of magmatic systems, planetary evolution, and industrial processes.

Description and registration online at www.minsocam.org or contact Mineralogical Society of America, 3635 Concorde Pkwy Ste 500, Chantilly, VA 20151-1110 USA phone: +1 (703) 652-9950 fax: +1 (703) 652-9951.

RESEARCH GRANTS

The Mineralogical Society of America 2018 Grants for

RESEARCH IN CRYSTALLOGRAPHY

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

STUDENT RESEARCH IN MINERALOGY AND PETROLOGY

from an endowment created by MSA members



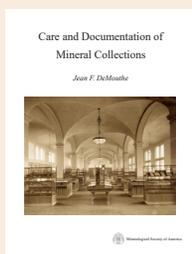
Selection is based on the qualifications of the applicant; the quality, innovativeness, and scientific significance of the proposed research; and the likelihood of success of the project. There will be up to three US\$5,000 grants, with the restriction that the money be used in support of research. Application

instructions and online submission are available on the MSA website, <http://www.minsocam.org>. Completed applications must be submitted by 1 March 2018.

NEW TITLE

Care and Documentation of Mineral Collections

Jean F. DeMouthe, i-vi+ 94 pages. ISBN 978-0-939950-99-7



This work is an attempt to provide information and guidance on all aspects of caring for and documenting mineral collections. It is aimed at professionals and amateurs alike and is dedicated to everyone who shares a love of minerals and those who care for and about collections. The ten chapters are: Collection Organization; Documentation; Ancillary Collections; Preventive Conservation; Storage; Hazards, Safety, and Risks; Administrative Policies; Private Collections; and Bibliography and Resources.

Description and ordering online at www.minsocam.org or contact 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. Cost is \$30 (\$22.50 members MSA, GS, CMS).

AWARD NOMINATIONS

Nominations Sought for 2019 Awards

Nominations must be received by 1 June 2018

The **Roebbling Medal** (2019) is MSA's highest award and is given for eminence as represented by outstanding published original research in mineralogy.

The **Dana Medal** (2019) recognizes continued outstanding scientific contributions through original research in the mineralogical sciences by an individual in the middle of their career.

The **Mineralogical Society of America Award** (2019) is given for outstanding published contribution(s) prior to 35th birthday or within 7 years of the PhD.

The **Distinguished Public Service Medal** (2019) is presented to an individual who has provided outstanding contributions to public policy and awareness about mineralogical topics through science.

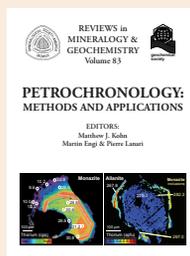
Society Fellowship is the recognition of a member's significant scientific contributions. Nomination is undertaken by one member, with two members acting as cosponsors. Form required, contact committee chair or MSA home page.

Submission requirements and procedures are on MSA's home page: <http://www.minsocam.org/>

NEW TITLE: REVIEWS IN MINERALOGY AND GEOCHEMISTRY

Volume 83: Petrochronology: Methods and Applications

Matthew J. Kohn, Martin Engi, and Pierre Lanari, editors. i-xvi+ 580 pages. ISBN 978-0-939950-05-8



What is "petrochronology"? Petrochronology is the study of rock samples that links time (i.e. ages or duration) with specific rock-forming processes and their physical conditions. A single date is virtually useless in understanding the history of magma crystallization or metamorphic pressure–temperature evolution. Petrologists and geochronologists strive to understand rock-forming processes and the time and the rates at which they occur by integrating numerous ages into the petrologic evolution of a rock. *Petrochronology: Methods and Applications* (v83 in the RiMG series) covers phase

relations and reaction sequences in petrochronology; local bulk composition effects on metamorphic mineral assemblages; diffusion; petrochronology by electron microprobe, laser-ablation inductively coupled plasma mass spectrometry, secondary ionization mass spectrometry analysis, and thermal ionization mass spectrometry techniques; specific examples of petrochronology using zircon, baddeleyite, monazite, allanite, xenotime, apatite, titanite, rutile, and garnet; and the chronometry and geospeedometry of magmatic processes using chemical diffusion in olivine, plagioclase and pyroxenes.

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