



Mineralogical Society of America



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PRESIDENT'S LETTER

The Many Facets of Mineralogy



John M. Hughes

In February of this year, I attended the Tucson Gem and Mineral Show (TGMS) in my role as president of the Mineralogical Society of America (MSA). The TGMS is one of the largest mineral shows in the world, and tens of thousands of collectors, scientists, and students from around the world gather annually in Tucson. During my career I have largely seen only one aspect of mineralogy, teaching and academic research, and I wanted to learn more about its other dimensions. Embarrassingly, I

had never before attended the TGMS, although many of mineralogy's leading research scientists are annual fixtures at the event. Furthermore, many TGMS attendees are well known as sources of outstanding specimens for scientific study, thus providing an invaluable link between the field and the laboratory in the mineral sciences. The Mineralogical Society of America has had a long and recurring presence at the TGMS, as a cosponsor of the annual Tucson Mineral Symposium and as an exhibitor. Many MSA members attend the Show, including members from the collecting, museological, gemological, and mineral-research communities; many past MSA presidents were also in attendance. It was a privilege to attend the TGMS and meet MSA members representing the many aspects of the discipline.

Perhaps more than any other scientific field, mineralogy is multifaceted and attracts people to each of those many facets. For example, just this week I will be giving a talk to the Burlington Gem and Mineral Club, a local group in Vermont where members gather monthly to share information about collecting localities, plan collecting trips, display new specimens, and just talk about minerals. Perhaps there is no other scientific endeavor where there is such wide interest in the discipline's object of study and where members of the general public form clubs for monthly meetings and discussion. Attending the TGMS was a good reminder to broaden my view of the mineral sciences and to keep in mind that interest in minerals comes from many different directions. I was pleased to observe the breadth of mineralogy and to see that members of the Mineralogical Society of America represent all of its facets. I was also reminded that Colonel Washington A. Roebling, our Society's principal benefactor and the eponym of MSA's highest honor, was a bridge builder and civil engineer by day, but his greatest passion was collecting minerals. In addition to providing significant financial support to the fledgling Mineralogical Society of America, he made specimens of his prized collection available to others for scientific study. That model continues today.

With my sincere thanks for your support of the Society,

John M. Hughes (jmhughes@uvm.edu)
2013 MSA President

NOTES FROM CHANTILLY

Balloting for the 2013 election of MSA officers and councilors is underway. Here is the slate of candidates for the 2013 MSA Council election. President: David J. Vaughan; vice president: Ian Parsons and Steven B. Shirey; secretary: Andrea Koziol; councilors (two to be selected): Cameron Davidson, Edward S. Grew, Philip S. Neuhoff, and Wendy Panero. Howard W. Day continues in office as treasurer. Continuing councilors are Christine M. Clark, Kimberly T. Tait, Isabelle Daniel, and Kirsten P. Nicolaysen.

MSA members should have received voting instructions at their current e-mail addresses. Those who do not wish to vote online can request a paper ballot from the MSA business office. As always, the voting deadline is August 1.

- MSA will have a booth at the GSA meeting, Denver, Colorado, USA, on 27–30 October 2013. During that week MSA will hold its Awards Lunch; the MSA Presidential Address; a Joint Reception for the MSA, the Geochemical Society, and GSA's MGPV (Mineralogy, Geochemistry, Petrology, and Volcanology) Division; the Annual Business Meeting; a Council meeting; and breakfasts for the past presidents and associate editors. There will also be lectures by the Roebling Medalist, Frank C. Hawthorne; the MSA Awardee, Wendy Li-Wen Mao; and MSA President John Hughes. Topical sessions will honor the two awardees: T214 – *Advances in Mineralogy, Crystallography, and Petrology: In Honor of Frank C. Hawthorne, 2013 Roebling Medalist*, organized by Peter C. Burns and Lee A. Groat, and T215 – *Frontiers in High-Pressure Research: In Honor of Wendy Li-Wen Mao, 2013 MSA Awardee*, organized by Yingwei Fei, Juhn G. Liou, and Maria Baldini. Pierrette Tremblay will receive the 2013 Distinguished Public Service Medal at the meeting.

- The 2014 Dana Medal will be presented to Patricia M. Dove at the Fall 2013 Meeting of the American Geophysical Union, San Francisco, California, USA (9–13 December 2013). A special session is being proposed in her honor, at which she will give her Dana Lecture. The medal presentation will be made during the Joint Reception with the Volcanology, Geochemistry and Petrology Section of AGU.

- Authors James R. Craig and David J. Vaughan have kindly made their textbook *Ore Microscopy and Ore Petrography* (2nd ed.) freely available as a searchable e-book on the "Open Access Publications" page of the MSA website.

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

50- AND 25-YEAR MEMBERS

The following individuals will reach 50 or 25 years of continuous membership in the Mineralogical Society of America during 2013. Their long support of the Society is appreciated and is recognized by inclusion in this list and by the 25- or 50-year pins mailed to them in early January. If you should be on this list and are not, or have not received your pin, please contact the MSA business office.

50-Year Members

Mizuhiko Akizuki	Louis J. Cabri	Kay U. Schuermann
Antonio Arribas Moreno	Delvin S. Fanning	Friedrich Alfred Seifert
George H. Beall	J. Lawrence Katz	Richard A. Sheppard
Peter R. Buseck	H. Wayne Leimer	Tokiko Tiba
	Dean C. Presnall	William B. White

25-Year Members

Masaki Akaogi	Gerhard Franz	Alain Manceau
Anton Beran	Georg H. Grathoff	Roger A. Mason
Winifred Farquhar Caponigri	Chris H. Hadjigeorgiou	Catherine Ann McCammon
Andrew Gregor Christy	J. Michael Howard	Alison R. Pawley
Marco E. Ciriotti	George Istrate	David C. Rubie
Kenneth J. Domanik	Bjørn Jamtveit	Paul A. Schroeder
Chiara Maria Domeneghetti	Matthew J. Kohn	Yen-Hong Shau
John M. Eiler	Yasuhiro Kudoh	Harold H. Stowell
Roberta L. Fleming	Stephen J. Mackwell	Vittorio Tazzoli
		Mark Van Baalen

MINERALOGICAL SOCIETY OF AMERICA UNDERGRADUATE PRIZE FOR OUTSTANDING STUDENTS

The Society welcomes the exceptional students named below to the program's honor roll and wishes to thank the sponsors for enabling the MSA to join in recognizing them. MSA's Undergraduate Prize is for students who have shown an outstanding interest and ability in mineralogy, petrology, crystallography, and geochemistry. Each student is presented a certificate at an awards ceremony at his or her university or college and receives an MSA student membership that includes a subscription to *Elements* and a *Reviews in Mineralogy* or *Monograph* volume chosen by the sponsor, the student, or both.

Past Undergraduate Prize awardees are listed on the MSA website, and instructions on how MSA members can nominate their students for the award are also provided.

Samantha Bauer George Washington University <i>Sponsored by Dr. Richard Tollo</i>	Adam McDaniel University of Wisconsin–Madison <i>Sponsored by Prof. Huifang Xu</i>
Kevin Eric Bone University of Texas at Austin <i>Sponsored by Dr. Elizabeth Catlos</i>	Lauren E. McGraw University of Oklahoma <i>Sponsored by Dr. David London</i>
Emily F. Carbone Smith College <i>Sponsored by Dr. John Brady</i>	Cory McGregor University of Victoria <i>Sponsored by Prof. Dante Canil</i>
Hayden Dalton University of Otago <i>Sponsored by Dr. J. Palin</i>	Matthew J. Oxman University of Dayton <i>Sponsored by Dr. Andrea Koziol</i>
Katherine M. Hresko Towson University <i>Sponsored by Dr. David Vanko</i>	David M. Rapp Williams College <i>Sponsored by Prof. Reinhard Wobus</i>
Sean Kayser University of Maryland <i>Sponsored by Prof. Roberta Rudnick</i>	Jessica Towell Indiana University <i>Sponsored by Prof. David Bish</i>
Luke Kurey University of Wisconsin–Madison <i>Sponsored by Prof. Huifang Xu</i>	David Stewart Walker University of British Columbia <i>Sponsored by Dr. James Scoates</i>

WATER–MINERAL PUBLICATIONS FROM MSA

<p>REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 70</p> <p>THERMODYNAMICS AND KINETICS OF WATER-ROCK INTERACTION</p> <p>EDITORS: Eric H. Oelkers and Jacques Schott</p> <p>MINERALOGICAL SOCIETY OF AMERICA Geochemical Society Series Editor: Jack J. Berman</p>	<p>REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 65</p> <p>FLUID-FLUID INTERACTIONS</p> <p>EDITORS: Axel Liebrock and Christoph A. Heinrich</p> <p>MINERALOGICAL SOCIETY OF AMERICA Geochemical Society Series Editor: Jack J. Berman</p>	<p>REVIEWS in MINERALOGY Volume 23</p> <p>MINERAL-WATER INTERFACE GEOCHEMISTRY</p> <p>Michael F. Hochella, Jr. and Art F. White, editors</p> <p>MINERALOGICAL SOCIETY OF AMERICA Series Editor: Paul H. Ribbe</p>
<p>REVIEWS in MINERALOGY & GEOCHEMISTRY Volume 62</p> <p>WATER IN NOMINALLY ANHYDROUS MINERALS</p> <p>EDITORS: Hans Keppler and Joseph R. Smyth</p> <p>MINERALOGICAL SOCIETY OF AMERICA Geochemical Society Series Editor: Jack J. Berman</p>	<p>REVIEWS in MINERALOGY Volume 34</p> <p>REACTIVE TRANSPORT IN POROUS MEDIA</p> <p>P.C. LICHTNER, C.I. STEEFEL & E.H. OELKERS, Editors</p> <p>MINERALOGICAL SOCIETY OF AMERICA Series Editor: Paul H. Ribbe</p>	

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

MINERALOGICAL SOCIETY OF AMERICA AND GEOCHEMICAL SOCIETY SHORT COURSE ANNOUNCEMENTS

Thermodynamics of Geothermal Fluids
23–24 August 2013 (prior to Goldschmidt 2013)

Florence, Italy
CONVENORS

Andri Stefánsson, University of Iceland, Reykjavík, Iceland
Thomas Driesner, ETH Zürich, Switzerland
Pascal Bénézeth, CNRS, Toulouse, France

Crustal fluids play a fundamental role in the chemical and physical processes in the Earth system, and our understanding of their geochemical behavior and reactivity is largely based on thermodynamics. In the short course and accompanying Reviews volume, the thermodynamics of aqueous fluids over a wide range of temperatures and pressures and spanning scales from molecular to macroscopic will be summarized, revealing the power of thermodynamics for quantifying geochemical and geological processes in the Earth's crust.

Information and registration: www.minsocam.org

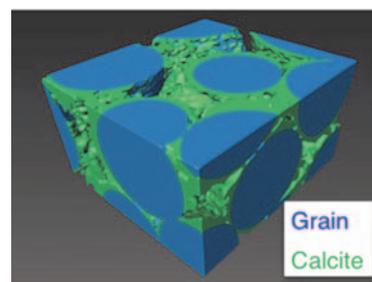


Geochemistry of Geologic CO₂ Sequestration
7–8 December 2013 (prior to 2013 Fall AGU)

Berkeley, California, USA
CONVENORS

Donald J. DePaolo, Lawrence Berkeley National Laboratory
David R. Cole, The Ohio State University
Alexandra Navrotsky, University of California-Davis
Ian C. Bourg, Lawrence Berkeley National Laboratory

Geological formations, such as oil and gas fields, coal beds, and brine aquifers, are likely to provide the first large-scale opportunity for testing the geological sequestration of CO₂, a prospective method for moderating the rapid increase in the concentration of atmospheric CO₂ and mitigating global warming. The geochemical and mineralogical processes encountered in the subsurface during storage



of CO₂ will play an important role in facilitating the isolation of anthropogenic CO₂ in the subsurface. This timely course will deal with the underlying geochemical and mineralogical processes associated with gas–water–mineral interactions encountered during CO₂ sequestration. It will consider the nature of fluid properties and the chemical, thermal, mechanical, and biological interactions between fluids and surrounding geologic formations over broad ranges of temperature, pressure, fluid composition, and spatial and temporal scales to determine how the subsurface will perform as a storage container both as the stored material is emplaced underground and over hundreds to thousands of years.

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2013 MSA ELECTIONS