



Mineralogical Society of America



web

www.minsocam.org

PRESIDENT'S LETTER

Why be a Member of MSA?



Carol Frost

It is becoming increasingly clear that humankind is entering an age of transition, moving from a society powered largely by carbon-based energy to a more sustainable future based on renewable energy sources. Earth's mineral resources are critical to this transition: the technological applications that enable efficient use of renewables—batteries, magnets in wind turbines and electric vehicles, photovoltaic panels, energy transmission and communication systems—all depend on supplies of critical elements from the Earth.

To meet future demand for mineral resources, we need a robust community of mineralogists, crystallographers, petrologists, and geochemists who can undertake fundamental research on Earth's natural materials and then educate and mentor the next generations of experts. Who are these mineralogists, crystallographers, petrologists, and geochemists? They are members of the Mineralogical Society of America!

We often think of membership in a professional society in terms of what it does for us—for example, MSA membership gives each of us:

- Access to the online version of *American Mineralogist* (1916–current),
- A subscription to print and online version of *Elements* magazine,
- Reduced subscription rates to the print version of *American Mineralogist*, as well as to *Physics and Chemistry of Minerals*, *Journal of Petrology*, *Gems & Gemology*, *Journal of Gemology*, *Rocks & Minerals*, and *Mineral News*,
- Free online color and e-links for articles we publish in *American Mineralogist*,
- 25% discount on MSA's and other organizations' publications,
- Reduced registration fees for short courses and joint meetings ... and more.

Although these member benefits are significant, they are only one reason to belong to MSA. The best reason we belong to MSA is to be part of the community of professional mineralogists and petrologists who work toward a common goal of promoting and improving our field. The MSA provides an opportunity for members to create professional relationships and to connect with peers, mentors, and leaders in the field. It is a symbiotic relationship between the member and the organization that benefits both.

As with any membership, you get what you put into it. Here are some of the ways to be involved:

- Volunteer to serve on a committee when you renew your membership,
- Nominate a colleague for MSA fellowship or one of MSA's awards,
- Sponsor student memberships at your institution and nominate a student for the MSA Undergraduate Award,
- Propose or attend an MSA short course or workshop,
- Publish your research in *American Mineralogist*,
- Serve as a reviewer, editorial board member, or editor of MSA publications,
- Propose a topic for a new volume of *Reviews in Mineralogy and Geochemistry*,
- Network with members at the annual MSA Awards luncheon, business meeting, and joint reception at
- GSA,
- Contribute to e-discussions on MSA-Talk,
- Donate to MSA and so support its programs and activities.



Members of the MSA community at the joint reception with the Geochemical Society and GSA's Mineralogy, Geochemistry, Petrology, & Volcanology (MGPV) Division, held 24 September 2019 in Phoenix (Arizona, USA).

These activities help to broaden our knowledge, keep us in touch with each other, and give us opportunities to support each other. They inspire us and keep us motivated.

We live in an age where our field is expanding beyond traditional geology and mineralogy. At the same time, geoscience knowledge and skills are increasingly fundamental to solving many of society's grand challenges. Geoscience departments struggle to cover all areas adequately. The MSA has an important role in supporting teaching the concepts and procedures of mineralogy and petrology. Its members are dedicated to raising the scientific literacy of society with respect to issues involving mineralogy and petrology in the broad sense.

The MSA depends on the involvement of all the individuals who are concerned with the health and direction of the field. When your renewal notice arrives, please renew and stay—or get—involved. The future of our discipline depends on us!

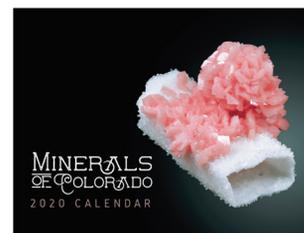
Carol Frost, 2020 MSA President

NOTES FROM CHANTILLY

- **Membership:** All 2018 and 2019 MSA members have been contacted by mail, electronically, or both about renewing their memberships for 2020. 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 anytime.
- **MSA Centennial Ambassadors Program:** As part of the 2019 Centennial Celebration, the MSA Centennial Ambassadors program was launched. The goal of the program was to provide public outreach on topics in mineralogy and petrology to audiences in schools, museums, mineral clubs, senior centers, and other venues. Many MSA members participated in 2019, speaking to a wide variety of audiences. Although the centennial year itself is now over, the MSA Centennial Ambassadors program lives on. Please become an ambassador by giving a public presentation in 2020 and beyond. When you do, let the MSA Business Office know by e-mailing Ann Benbow at abenbow@minsocam.org. We will list your presentation on the MSA Centennial Ambassadors website and send you a certificate acknowledging your efforts to reach the public. To help with your planning, there are educational resources, an introductory slide about MSA, and more information about the program on the MSA website.

2020 MSA CALENDAR

The 2020 sixteen-month calendar is titled *Minerals of Colorado*. The calendar is published by Lithographie, LLC in cooperation with the Mineralogical Society of America, Fine Mineral Shows, Tucson Gem and Mineral Society, Rocky Mountain Gems & Minerals Promotions, and LLD Productions, Inc. The 2020 calendar, as well as limited numbers from previous years, are available on the MSA website at www.minsocam.org.



RESEARCH GRANTS

The Mineralogical Society of America

2020 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 research of a written proposal; and the likelihood of project success. 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 2020**.

AWARD NOMINATIONS

Nominations Sought for 2021 Awards

NOMINATIONS MUST BE RECEIVED BY 1 JUNE 2020

The **Roebbling Medal** (2021) is MSA's highest award and is given for eminence as represented by outstanding published original research in mineralogy.

The **Dana Medal** (2021) is intended to recognize continued outstanding scientific contributions through original research in the mineralogical sciences by individuals in the midst of their careers.

Mineralogical Society of America Award (2021) is given for outstanding published contribution(s) prior to 35th birthday or within 7 years of the PhD.

The **Distinguished Public Service Medal** (2021) 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.

Mineralogical Society of America

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

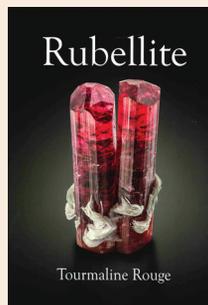
DID YOU KNOW...?



The MSA has a wide variety of resources for grades K–16 educators and students. Under the **Education & Outreach** pull-down menu on the www.minsocam.org home page, you can find (among other resources) Mineralogy4Kids (activities, games, science content, diagrams, and more); Rock and Mineral Identification Keys; Collectors' Corner; and The *American Mineralogist* Crystal Structure Database.

Under the **Publications** pull-down menu on the MSA website home page, there is the online version of the *Handbook of Mineralogy* and links to the free "Interactive Mineralogy Illustrations" created for the textbook *Mineralogy and Optical Mineralogy* (2020, D. Dyar, M. Gunter, and D. Tasa).

PUBLICATION AD

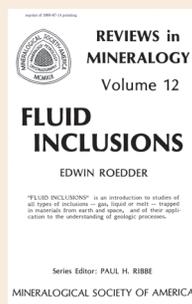
**Rubellite: Tourmaline Rouge**

Edited by William B. Simmons, Gloria A. Staebler, David W. Bunk, Alexander U. Falster, Sarah L. Hanson, Karen W. Webber, 144 pages. ISBN 978-0-9836323-9-9

Rubellite: Tourmaline Rouge is the newest monograph (#20) from Lithographie. In this publication, the authors cover the history, culture, science, and localities of rubellite, that fascinating reddish variety of tourmaline. Taking its name from the Latin *rubellus*,

meaning "reddish," rubellite was rare in the ancient world. Its unique properties set it apart from other hard, red gemstones, generically known then as "ruby" or "carbuncle." Today "rubellite" refers to the pink-to-red variety of tourmaline, itself a large group of borosilicates. Coveted most for its endless combinations of vivid colors, just a handful of species—elbaite, liddicoatite, rossmanite—form rubellite, which is found as large, gemmy, euhedral crystals in pegmatites across the globe. Extraordinary imagery illuminates this book and its stories, enticing readers into the paradox of rubellite and its tourmaline brethren.

PUBLICATION AD

**Volume 12: Fluid Inclusions**

Edwin Roedder, 1984 (reprinted 2019), i-vi + 646 pages. ISBN 978-0-939950-16-2.

This Reviews volume, formerly out-of-print, is now available in print from MSA, as well as in electronic form from MinPubs.org.

The book has been written mainly to help the newcomer in fluid-inclusion work learn how to use fluid inclusions and to avoid many of the pitfalls and blind alleys that beset anyone starting in a new field of research. There are chapter outlines and a detailed index. In the references, the page(s) where each item is cited is given because this can also help the reader to become acquainted with the rather large and scattered literature and some of its applications. The overall organization is somewhat of an adaptation of the news reporter's outline of "who, what, when, where, and why": what kind of information inclusions provide; when and where inclusions form; how inclusions can change; how to prepare material and make microthermometric measurements; how to interpret analytical data; what has been found in applications of fluid-inclusion studies to each of a series of different geologic environments.

Description and ordering online at www.minsocam.org
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phone: +1 (703)652- 9950 fax: +1 (703) 652-9951
e-mail: business@minsocam.org.
Cost is \$45 (\$33.75 members MSA, GS, CMS)