

Newsletter of the GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division

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Message from the Chair

Dear MGPV members,

The MGPV Division is looking ahead to an exciting year: we will distribute our 2020 student research awards, select the 2021 Early Career and Distinguished Geological Career awardees, seek a new student representative, and sponsor a spectacular array of sessions at the annual GSA meeting in Montreal, Canada, October 25-28.



The student research award deadline has just passed (Feb. 3) and we will soon launch the evaluation stage for proposals for the Lipman and Carmichael student research grants in addition to the MGPV awards. We hope to have results available in April/May, and funds distributed before the summer field season is underway.

Since 2011, MGPV has awarded 71 student research awards and we are pleased to see that many awardees are still members of MGPV and GSA. For those of you who are just finishing degrees or have moved into the Early Career realm, we would like to know how you are doing and what new projects, new jobs, new challenges you are undertaking. An invitation for you to tell your story will go out shortly and could be featured in upcoming MGPV Newsletters.

Looking forward to 2021 (annual GSA meeting in Portland, OR), we strongly encourage our members and others in MGPV fields to nominate outstanding individuals for the two professional division awards: the Distinguished Geological Career Award (DGCA) and the Early Career Award (EC). The DGCA is a formal (the Division's primary award) GSA award, the EC award is the Division award. The nomination deadline is March 31, 2020 for both – see the MGPV website for details on eligibility and process.

This year's (2020) awardees are Cathy J. Busby for the Distinguished Geological Career Award and Sebastien Biass for the Early Career Award. These awards will be presented at a session in their honor at the Montreal meeting. As of now, MGPV is sponsoring or co-sponsoring at least 44 technical sessions and a Pardee Keynote Symposium at the 2020 GSA meeting. Thanks in advance to Vice Chair Rosemary Capo for serving the Division on the JTPC. At GSA Sectional meetings this Spring, MGPV is sponsoring five technical sessions and a field trip.

Our membership continues to be robust, with strong Student and Early Career membership (997 students and 182 Early Career, out of 2212 total members), now exceeding our Member/Fellows (993 including senior members). Students are represented on our Executive committee by Kayleigh Rogers (Kansas State University); many thanks to Kayleigh for her service! Her term ends in September so we will be looking to recruit a new representative. A call for applications will go out later this month. Her description of activities as a GSA Student Representative is found later in this newsletter.

I will close with our annual reminder: MGPV needs your active support to continue to represent our community at GSA. We need you to nominate your peers for the Distinguished Geologic Career and Early Career Awards; we need volunteers for MGPV committees (e.g., DGCA, ECA award committees; nominating committees for officers); we need you to propose Theme sessions and Pardee Symposia for the Regional Sections and the Annual meeting. And most importantly, we need you to renew your membership in GSA and MGPV each year and hope that you will encourage others to join as well.

Best regards,
Rosemary Hickey-Vargas, Chair (2020)
Mineralogy, Geochemistry, Petrology, Volcanology Division
Geological Society of America
Florida International University Earth & Environment

2020 MGPV First/Second Vice-Chairs

After the 2019 election the MGPV Second Vice-Chair, Mark Caddick, moved up to First Vice-Chair. However, he discovered he was over committed for a beginning faculty member and resigned in January 2020. Per the MGPV Bylaws, the MGPV Second Vice-Chair, Rosemary Capo, moved up to the First Vice-Chair position and the Management Board has undertaken a search for a replacement Second Vice-Chair.



Rosemary Capo is Associate Professor of Geology and Environmental Science at the University of Pittsburgh. She received B.S. and M.S. degrees in Geology from the University of Texas at Austin, a Ph.D. in Geochemistry from UCLA, and worked at the Berkeley Center for Isotope Geochemistry, Lunatic Asylum at Caltech and the Jet Propulsion Laboratory. At the University of Pittsburgh she helped develop the university's Environmental Studies program. Her work centers on the use of natural isotopic and geochemical tracers to understand Earth surface processes, both present and past. Her research includes studies of rock weathering, climate-related soil formation, stratigraphic correlation,

paleoceanography, geoarchaeology, and environmental chemistry. Her group is currently working with DOE researchers to apply and develop geochemical and radiogenic and stable metal isotope techniques to address issues related to AMD generation, coal fly ash storage, geologic carbon sequestration, and water-rock interaction in deep sedimentary basins.

She joined GSA in 1984, and previously served on the MGPV Nominating Committee. She has also served as a Guest Editor for *Applied Geochemistry*, and as a panel reviewer for NSF (Laboratory Technician Support, Water Sustainability and Climate) and NASA (Mars Science Laboratory). She has supervised 18 graduate students and numerous undergraduate researchers, and currently teaches Geology, Mineralogy, and graduate Geochemistry courses. She is an active participant on the University of Pittsburgh School of Arts and Sciences Diversity Committee and Task Force. She hopes to strengthen the connectivity of the traditional hard rock disciplinary focus of the MGPV Division with associated fields, and to work towards increasing participation of underrepresented groups in the MGPV Division and leadership.

Call for Award Nominations: Nomination Deadline: 31 March 2020

MGPV Division Distinguished Geological Career Award (for 2021)

The MGPV Distinguished Geological Career Award goes to an individual who, throughout his/her career, has made distinguished contributions in one or more of the following fields of research: mineralogy, geochemistry, petrology, volcanology, with emphasis on multidisciplinary, field-based contributions. This award emphasizes a geological and multidisciplinary approach. Geological work is by nature general and has an important field component, with Earth as the natural laboratory. Nominees need not be citizens or residents of the United States, and membership in the Geological Society of America is not required. The award will not be given posthumously.

The Award: Consists of Fellowship in GSA, recognition plaque, a \$1,000 cash award, and some travel assistance. The Award will be presented at the 2021 Annual Meeting of the Geological Society of America (Portland, Oregon, USA), with a brief (5 minute) citation from the nominator, followed by a brief (5 minute) acceptance speech by the awardee.

MGPV Division Early Career Award (for 2021)

The MGPV Early Career Award goes to an individual near the beginning of his/her professional career who has already made distinguished contributions in one or more of the following fields of research: mineralogy, geochemistry, petrology, volcanology, with emphasis on multidisciplinary, field-based contributions. This is a new award that was generously endowed by the estate of James B. Thompson Jr., who believed in the importance to geology of understanding minerals - both their internal characteristics, and their external "social lives" (his term for their relations with each other). This award emphasizes a geological and multidisciplinary approach. Geological work is by nature generalistic and has an important field component, with Earth as the natural laboratory. J. B. Thompson's work, regardless of subject, was always based on solid field

observations. In his acceptance speech for the Day Medal in 1964 he said, “*True success in the laboratory should stimulate field investigations rather than discourage them. It would be embarrassing indeed if we were to construct an internally consistent geology, chemically and physically sound, perfect in fact but for one flaw: the lack of a planet to fit it.*”

The individual must either be [1] before the age of 36 or [2] within 7 years of the awarding of the terminal degree. If the former, the candidate must be 36 or less on January 1 of the year the award is decided. If the latter, the award must be decided prior to December 31 of the seventh year past the terminal degree. These time limits for the award can be extended for up to two years based on circumstances that have interrupted the nominee's career (i.e., serious illness, childbirth, care giver, etc.). Nominees need not be citizens or residents of the United States, and membership in the Geological Society of America is not required. The award will not be given posthumously.

The Award: Consists of a wall plaque, a \$1,000 cash award, and some travel assistance. The Award will be presented at the Division reception at the 2021 Annual Meeting of the Geological Society of America, (Portland, Oregon, USA) with a brief (5 minute) citation from the nominator, followed by a brief (5 minute) acceptance speech by the awardee.

Nomination Procedure for either award

Nominations will be from the Division membership at large, and should consist of:

(1) A nomination letter from an MGPV Division member, no longer than 3 pages, summarizing the nominee's most important accomplishments in geological approaches to mineralogy, geochemistry, petrology, and/or volcanology. Special attention should be paid to describing how the nominee's published work demonstrates field-based multidisciplinary geological accomplishments of a groundbreaking nature. The letter should include the name, address, and contact information of the nominator as well as those from whom letters of support can be expected.

(2) Curriculum Vitae of the nominee.

(3) An additional three letters of support. These letters of support may be submitted by anyone, membership of GSA or the MGPV Division is not required.

Nominations should be forwarded to the Division Secretary-Treasurer, J. Alex Speer at: jaspeer@minsocam.org

Dossiers of nominees who did not receive the award in any given year will be retained and considered for two succeeding years (as long as the eight-year time limit continues to be met); thus, nominations are active for a total of three years even if not updated or re-submitted. Updated information or resubmitted nominations for such candidates may be sent to the Division Secretary-Treasurer during subsequent calls for award nominations for consideration beyond that time.

Remember:

Renew your MGPV Division membership when you renew your GSA membership.

Encourage your MGPV-interested colleagues to join:

<http://community.geosociety.org/mgpvdivision/join>

2019 MGPV Division Distinguished Geological Career Award to Suzanne Mahlburg Kay: Citation by Shanaka de Silva, Oregon State University

Over four decades, Suzanne Mahlburg Kay has produced a remarkably productive record of influential works in all the disciplines of MGPV that exemplifies the MGPV Career award criterion “*field-based multidisciplinary geologic accomplishments of a ground-breaking nature.*” Concurrently she has been one of the most dynamic organizers in the geologic community.

Sue’s research demonstrates the tremendous breadth and scope of her contributions across the fields of Mineralogy, Geochemistry, Petrology, and Volcanology, and including Tectonophysics and regional geophysical studies. With a focus on the Aleutian arc and South American magmatism her key accomplishments include innovative and comprehensive contributions in the areas of: 1) arc-magmatic processes that lead to divergence of tholeiitic and calc-alkaline suites; 2) lower-crustal processes; 3) secular evolution of arc-magmatic processes, particularly slab-dip changes and lithospheric delamination; 4) geochemical and tectonic influences on the development of Andean ore deposits; 5) varied source contributions to back-arc and intraplate mafic magmas; 6) granitoids in oceanic island arcs; and 7) crustal growth. Her high standards of scholarship, comprehensive knowledge, and interdisciplinary science are exemplary and have influenced many colleagues and students throughout her career.

A hallmark of Sue’s career has been her close collaboration with South American colleagues. These efforts have been recognized for stimulating growth, sophistication, and global participation of geologic communities in Chile, Argentina and Bolivia, and they serve as an excellent example of how effective and fruitful international collaboration should be conducted.

Finally, one cannot overstate her citizenship of the geologic community. She was President of the GSA and served in many other functions. She has organized individual scientific sessions at meetings but also large international scientific conferences that included attractive and logistically challenging field trips guided by excellent field guides.

Suzanne Mahlburg Kay is a superbly deserving recipient of the 2019 MGPV Distinguished Career Award.

2019 MGPV Division Distinguished Geological Career Award: Acceptance by Suzanne Mahlburg Kay

To begin, I would like to express my sincere gratitude to the Mineralogy Geochemistry Petrology Volcanology division of the Geological Society of American for this distinguished award. I am honored and humbled to receive this honor. In accepting this award, I would like to particularly acknowledge my nominator Gerhard Woerner and seconders Wes Hildreth, Constantino Mpodozis and Shanaka de Silva, and all of the colleagues and students with whom I have worked over the years and without whom I would not be here. I would also like to express my appreciation to Shan de Silva for his incredibly generous citation, and to Brian Jicha, Matt Gorring and Brenan Keller for organizing this session.

There are many people who have contributed to my career and I would like to particularly mention a few. My father Milton Mahlburg, who introduced me to the natural sciences and took me on my first field trips before I could walk. Professors David Anderson and Don Henderson, my undergraduate and MS advisors at the University of Illinois who introduced me to the rigors of mineralogy, kinetics and thermodynamics and the possibilities in petrology. My thesis committee at Brown University, which included my advisor Richard Yund along with Malcolm Rutherford, Bruno Giletti, Jan Tullis and William Chapple, with whom I worked on feldspars and became enchanted with igneous petrology and the integration with tectonics. My post-doc advisor Gary Ernst at UCLA who give me the freedom to work on the petrologic evolution of the Aleutian arc and an opportunity to teach a class in petrology. My husband, Robert Kay, whom I knew from his reading papers before we met and went to the Aleutians for our honeymoon where we also began our scientific collaborations. We also became partners in raising our children, Jennifer and Alexander, who often said they had revolving parents who took them to interesting places as we went together and separately to meetings and into the field. Colleagues at Cornell University particularly Jack Oliver who encouraged my interest in petrology and geochemistry of the lower crust and continental evolution as a postdoc in the COCORP seismic project, Donald Turcotte who became a long term mentor and encouraged broad perspectives in the study of the earth, and Bryan Isacks who inspired me along with Terry Jordan and Rick Allmendinger to work on large scale interdisciplinary problems in the Andes. Also particularly important are my South American colleagues and co-authors who have made my Andean studies and those of our students possible. Three are particularly special; Victor Ramos in Argentina with whom we worked in Patagonia, the Chilean-



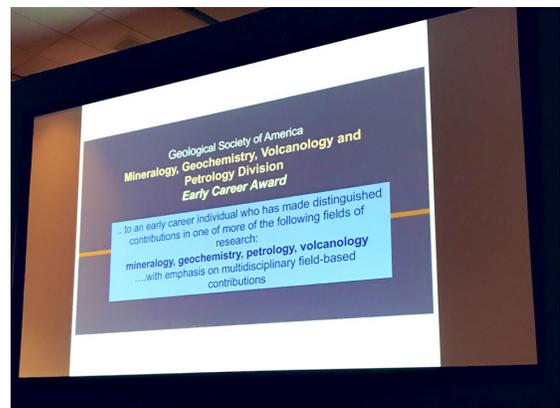
Pampean flatslab region and Andean terranes; Constantino Mpodozis in Chile with whom we studied the Andean arc region from El Teniente to Maricunga (34° to 24°S), ore deposits and the silicic-rhyolite Choiyoi magmatic province, and Beatriz Coira with whom we worked on the magmatism, ignimbrites, evolving subduction history and delamination of the Puna-Altiplano plateau.

Finally, I would not be here without the inquisitive and creative graduate and undergraduate students both at Cornell and in Argentina who added unimaginable dimensions to studies of the Aleutians, the Andes and other regions. Among the many, I would particularly like to mention graduate students Gene Yogodzinski, Matt Goring, Adam Goss, Neil McGlashan and undergraduates Susan De Bari, Jeff Abbruzzi and Brenan Keller.

2019 MGPV Division Early Career Award to Christy B. Till: Citation by Alison B. Till, U. S. Geological Survey (retired)

It is a pleasure and an honor to participate in this celebration of Christy Till's impressive early career accomplishments.

Christy is remarkable not only in her intellectual agility, which is demonstrated by her broad interests and diverse research contributions; she is also remarkable because she projects her passion for science with clarity and joy. She stimulates others and advocates for a healthy scientific community.



Excellence in science has at its roots a sense of wonder and curiosity. Science is at its best when the fruits of research stimulate, inspire, and change our view of the world. This is what keeps science healthy. Our gratitude for the hard work it takes to achieve excellence and contribute to the health of scientific research are the reasons why recognition of outstanding contributions is important.

Christy's accomplishments are many and diverse, but they can be summed up by saying simply that she is changing our view of how volcanoes work at a fundamental level. She does this by asking big, compelling questions and finding creative and innovative ways to address them. Her most remarkable contributions, both with significant impact, come from focusing on two questions that involve two geologically distinct problems.

At MIT, while working on her PhD, Christy focused on the question - *What specifically is the process of melt generation in subduction zone settings?* This question has been around for a long time. Its solution is critical to completing a full picture of mantle wedge processes as well as understanding the distribution and chemical character of arc

magmas. Through carefully and strategically designed experiments, Christy established that the wet peridotite solidus is cool enough to intersect the chlorite peridotite stability field. This result reveals the specific restraints on the nature of melt generation in the source regions of arc magmas, and as such is critical to understanding fundamental plate tectonic processes. This contribution alone is widely cited and has had international impact.

After her PhD, Christy went on to a Mendenhall postdoc at the US Geological Survey and completely changed her focus from the mantle wedge to the shallow crust. She asked the question: *What are the processes and timescales involved in rejuvenating magma chambers prior to volcanic eruption?* Christy pioneered the use of the nanoSIMS and use of the elements Ba, Sr, and Mg in multi-element diffusion modeling to address this question. She was able to peel apart the history recorded in sanidine crystals from a Yellowstone tuff with these tools and concluded that a gap only months long could separate rejuvenation of a magma chamber and volcanic eruption. This shockingly short period of time upended understanding of rates involved in magma chamber processes. As a result, this work received a great deal of attention, in both the scientific community and in the media.

At Arizona State University, Christy continues, with her students, to plumb the mysteries of arcs and the evolution of magma chambers, and she and her students built a state-of-the-art experimental lab.

Christy's research contributions are all the more remarkable when one recognizes that while she worked on them, she was simultaneously working as a tireless advocate for science communication, inclusivity, and gender equality. To further these ideals and the health of the scientific community, Christy has been a voice in many venues. It is impressive that she has spent a decade serving a variety of positions at the American Geophysical Union (AGU), including leadership positions not previously held by early career scientists.

Underlying Christy's intellectual agility is a strong ethic of hard work and perseverance. Please join me in thanking her for her hard work and in congratulating Christy B. Till on receipt of the MGVP Early Career Award.

2019 MGPV Division Early Career Award: Acceptance by Christy B. Till

Thank you, Alison for those incredibly kind words. It couldn't mean more to me that I have the opportunity to stand here with you, my Aunt, who has played an enormous role in inspiring my love of geology and my pursuit of it as a career, and paved the way for women like myself, to be accepting this award from you.

The pursuit of our science is simultaneously a tremendous joy, yet can be very challenging. I don't think that any of us are under any illusions that the pursuit of science in academia is an easy path. For this reason, mentors and allies are so critical in our journeys in academia and science. There are many great and influential people who have been there for me at critical moments to help me get to where I am today.

It all started with my parents. To my Mom who taught me the perhaps unconventional but essential skills of how to study, and how to deal with my nerves in high stress ballet auditions and performances (which translate to moments like this!). To my Dad who taught me to find beauty and contentment in the day-to-day moments. To My Aunt, who in many ways got me started on the whole path of geology. To Tanya Atwater, who inspired me as a ballet retiree and college freshmen. And told me when I doubted if I could pass the math and physics required with geology, that I could do it if I loved it. To Frank Spera, who saw some potential in me and provided me a work study job and my very first research experience and then mentored me through my masters. To Phil Gans and Art Sylvester who taught me the joys of field geology and enabled those first moments when I recognized myself as geologist. I wouldn't be here without my PhD advisor, Tim Grove, who fed my passion for unraveling the mysteries of arc magmatic systems from that first interview on the floor in the corner of the Moscone Center in San Francisco and taught me how to do the highest quality of science, as well as the torture and joys of life as an experimentalist. To Jorge Vazquez, who as my postdoc mentor at the USGS helped me gain independence and confidence as my own scientist.

Today I'm thankful for so many collaborators and scientific friends who continue to support my journey today. In particular, to an incredible collaborator and ally, my nominator Adam Kent, as well as those who wrote letters in support of this award: Roberta Rudnick, Mark Ghiorso and Tom Sisson. To another collaborator, Kari Cooper, who I've looked up to since my grad school days and it is a joy to work with now. To my many graduate school cohorts, to my writing group, and a tremendous group of women co-mentors who I met at Kavli Frontiers of Science conference, and to all my current colleagues and friends at ASU. So many people that it is impossible



to name everyone.

Awards are tough because they, like so many things in science and academia, require and create a comparative and/or competitive atmosphere. We compare ourselves and our work to our peers throughout our academic progress from undergrad, to grad student, to post-doc and faculty. We tend to internalize this in forms like “someone did something better than someone else, so they’re somehow special, and “I may not fit in or be worthy to continue.” And at times, these moments might make us feel like imposters and/or poorly about ourselves. And so, I hope those of you in the audience who might be feeling that way today or at other times will hear me when I say, “You bring something special to the science you do. You have as much of a right to be up on this stage as I do.”

Each person’s journey is unique and has its challenges. And it is overcoming those challenges in the name of stunningly beautiful and powerful science that brings us all together to produce better science and further the field. This is why today I ask of all of us to consider how we can be more supportive of one another. From the big moments when a student questions their journey, to the smaller moments in the tone or wording of a question in a talk, to a manuscript or proposal review, or to how we conduct ourselves in meeting. It is in these moments that we shape lives and careers in a way that is more critical than awards. And it is integral to making science a more inclusive place to live and work and to support a healthy future for science we cannot yet even imagine.

One of the biggest rewards of this job, is getting to watch my students grow into remarkable scientists. They inspire me every day, to be the scientist and person that I want to be and teach me how to better shape our communities, such that they too are my mentors, and show me the promise and potential of our scientific community in the years to come. And so lastly to the EPIC lab members, past and present, I say thank you - thank you Meghan, Kara, Hannah, Mitch, Jamie, Mike, Sarah, Kayla, Jessie and Ishimwe.

Thank you for this award and thank you for this opportunity to speak to you all this morning. And now something we’re all a bit more comfortable with - some science!

2020 MGPV Division Distinguished Geological Career Award to Cathy J. Busby

The MGPV Division is pleased to announce that Cathy J. Busby, University of California- Santa Barbara, now Davis is its 2020 MGPV Distinguished Geologic Career Awardee. The award will be presented during the 2020 GSA Annual Meeting, Montreal, QC, Canada.

Cathy Busby is cited for significant contributions to all fields relevant to mineralogy, geochemistry, petrology, volcanology, with emphasis on multidisciplinary, field-based contributions. Dr. Busby has been a professor at the University of California for 32 years. Her B.S. is from Berkeley, and her Ph.D. is from Princeton, both in Geological Sciences. Dr. Busby is one of the most influential and accomplished field geologists of our era, playing a decisive role in shaping our modern view of arc systems. Her work has been well cited to be sure, but citations provide too narrow a view to appreciate her influence. Her ideas, derived from fieldwork, geochronology, and petrologic and sedimentological insights, are remarkably wide-ranging and prescient, providing a 4-dimensional view of arc evolution.

Dr. Busby was perhaps the first to fully appreciate that many arc volcanic systems, and perhaps most calderas, develop within trans-tensional tectonic settings (Busby-Spera 1988)—a recognition that segued into a model of plate boundary formation (e.g. Busby 2013). In the southwest U.S. Cordillera, she established that the timing and deposition of arc-related volcanoes and sediments, and granite batholith emplacement, are controlled by trans-tensional forces, even while the larger tectonic setting is convergent and implicitly compressive.

In terms of cover strata studies, she has spent a significant fraction of the later stages of her career in studying late Tertiary volcanic basins along the eastern California shear zone Walker Lane belt. Based on rigorous field investigations, Dr. Busby and her coworkers reconstructed a complex interplay between faulting, local basin subsidence, and the temporal and spatial relations between arc and immediately post-arc rift volcanism.

She has traveled and lectured in many countries and most recently has taken the skills honed throughout her career to contribute to the IODP mission, working in the Izu-Bonin-Mariana backarc and on a comparison of the IODP ultra-deep drill site, Izu-Bonin Arc, to a crustal section through an oceanic arc in Baja California.



The award will be presented in topical session: *T40. The Virtue of Field Work in Volcanology, Sedimentology, Structural Geology and Tectonics: A Session To Honor Cathy Busby, MGPV Distinguished Geological Career Award Recipient of 2020.*

2020 MGPV Division Early Career Award to Sebastien Biass

The MGPV Division is pleased to announce Sebastien Biass, Earth Observatory of Singapore, Nanyang Technological University, Singapore is its 2020 MGPV Early Career Awardee.

Sebastien Biass is equally adept with field characterization of the geometry of eruption products, quantification of volcanic processes, statistical analysis of field data, and quantitative assessment of volcanic risk (including various aspects of volcanic impact and vulnerability). Dr. Biass's work is pioneering new strategies for the quantitative characterization of tephra deposits and of the associated hazards, impact and risk. The blend of quantitative field measurements and innovative numerical strategies shows



a strong appreciation of the importance of statistical and critical treatment of field data within numerical modelling. Such understanding and appreciation are lacking in many numerical studies, which is what makes his scientific approach unique and groundbreaking.

Dr. Biass' unique approach to volcanology stems from combining thorough field studies with state-of-the-art numerical modeling. He developed his own strategies that combine the physical description of explosive eruptions and advanced computing (e.g. parallel modeling) to produce comprehensive hazard and risk assessments. Dr. Biass also dedicated a great effort to characterize uncertainties associated with the derivation of eruptive parameters associated with explosive volcanism (i.e. erupted volume, plume height and mass eruption rate). Since these parameters are used as input parameters in tephra dispersal models, they have a great impact on the final model outputs.

Dr. Biass' contributions to the field – especially in using meticulous field data to improve models of tephra fallout and ballistic transport – stand on their own as powerful contributions.

Because it will fit travel plans better, his award will be presented in Portland, OR at the 2021 GSA Annual Meeting.

MGPV at Montréal, Québec, Canada

25–28 October 2020



• **Technical Sessions.** MGPV is sponsoring 44 proposed sessions and its Adhering Societies an additional 34. So MGPV-related topics will have a strong presence at the GSA Annual Meeting in Montréal, Québec, Canada (25-18 October 2020), and we invite you to join us. Submit an abstract to the session of your choice! Abstract Deadline: **usually 1 August.**

To ensure your abstract is included with other MGPV abstracts, please check the box for the MGPV Division (if you submit to a Topical Session) and/or one of the Adhering Societies (CMS, GS, MAC, MSA, MSGBI), and include mineralogy, geochemistry, petrology, and/or volcanology as keywords. Division officers are part of the committee that organizes the scientific program. By following these steps, they will have an opportunity to place your abstract in the most appropriate session.

2020 Annual Meeting in Montreal, QC Sessions sponsored by MGPV and its Associated Societies

List of Proposed 2020 MGPV-sponsored Sessions

- T2. Assembling Laurentia: Paleozoic Mobile Margins
- T3. Assembling Laurentia: Mesoproterozoic to Early Neoproterozoic Tectonic Evolution of Laurentia and Its Role within the Supercontinent Rodinia
- T5. Sutures and Suture Zones in the Phanerozoic and Precambrian Orogenic Belts
- T7. Fieldwork, Maps and Orogenies: A Tribute Session for Marc St-Onge
- T8. From Rodinia to Pangea: Evolution of the Appalachian-Caledonian Orogen
- T9. Assembling Laurentia: GEON 14 Enigmas and Advances in Understanding the Crustal Evolution and Paleogeography of the early Mesoproterozoic North America
- T10. Subduction Zone Slip Behavior: The Intersection of Deformation and Metamorphism
- T12. Assembling Laurentia: Neoproterozoic to Cambrian Rifting and Continental Margin Evolution during Breakup of Rodinia and Pannotia
- T13. Some like It HOT: The Role of Late Extensional Tectonics in Collisional Orogens, with Special Emphasis on the Grenville Orogen
- T16. Assembling Laurentia: Growth of the Western Continental Margin By Subduction, with or without Terrane Accretion, 190-70 Ma
- T26. Structural Geology and Tectonics Division 40th Anniversary Symposium: Drivers of Orogenesis
- T27. Approaches for Extracting Shear Zone History from the Ductile Rock Record: Probing Their Initiation, Evolution, and Reactivation
- T30. Assembling Laurentia: Neoproterozoic Crust Formation and Cratonization
- T32. Assembling Laurentia: Turning Points in Paleoproterozoic Tectonic Evolution
- T35. Building the SZ4D Magmatic Drivers of Eruption Theme: Geologic Evidence from Active and Exhumed Arcs
- T36. Experimental and Petrologic Investigation of Halogens, Sulfur, and Other Volatile Species in Igneous Systems: In Honor of Jim Webster
- T37. Rapakivi Granites and associated A-Type Granites

- T38. From the Micro to Macro in Metamorphic Geology: Constraining Tectono-Metamorphic Processes with High-Resolution Approaches
- T39. Granulite Terranes and Evolution of Continental Lower Crust: Insights from the Canadian Shield and Beyond
- T40. The Virtue of Field Work in Volcanology, Sedimentology, Structural Geology and Tectonics: A Session To Honor Cathy Busby, MGPV Distinguished Geological Career Award Recipient of 2020
- T41. Volcanism and Tectonics Along Rifts and Volcanic Arcs: Understanding the Relationships between Timing, Volumes and Distributions
- T47. Case Studies of Diagenesis, Paragenesis, and Geochemical Transformations of Sedimentary Strata
- T50. Interactions Between Life, Tectonics, Climate, and Sedimentary Systems at the Neoproterozoic-Early Cambrian Transition
- T52. Impacts of Volcanism on Global Climate and Oceans—Drivers of Mass Extinctions through the Phanerozoic
- T56. Co-Evolution of Earth's Surface Environment and Eukaryotic Life from the Mid-Proterozoic to Early Paleozoic
- T95. Sigma Gamma Epsilon Student Research (Posters)
- T96. Mineralogy, Petrology, and Geochemistry: New Approaches to Harnessing the Multidimensionality of Complex Systems
- T101. Fundamental Insights from Field and Laboratory Studies Related to the Genesis and Ore-Forming Processes Associated with Granitoid Generation and Evolution to Their Related Alteration and Mineralization
- T103. Geochemical Signatures of Fluid-Rock Interaction: Earth Surface Weathering to Hydrothermal Systems
- T105. Assessing the Fidelity of Geochemical Signals in Deep Time: Primary, Authigenic, and Diagenetic Signals in Proxy Data
- T106. Applying Petrochronology to Tectonic Provenance Studies
- T107. Integrating Geochronological, Geochemical and Petrological Data—Progress in Petrochronology and applications
- T108. Advances and Innovations in U-Pb Geochronology and Geochemistry of Mafic, Alkaline and Other Mantle Derived Rocks Associated with the Evolution of the North American Shield and Its Subcontinental Lithospheric Mantle: A Session in Honor of Larry Heaman
- T109. Bridging the Laboratory–Database Divide in Geochemistry
- T118. Impact Cratering Across the Solar System
- T121. The Interplay of Volcanism, Tectonism, and Impacts Across the Solar System
- T123. Rocks from Space! Using Meteorites to Understand the Physical, Chemical, and Mineralogical Evolution of Planetary Bodies
- T125. Volatile Cycles from Earth's Surface to the Core
- T126. Mapping, Minerals, and Metamorphism—Work Small, Think Big: A Tribute to the Life of Peter Robinson
- T127. Gemological Research in the 21st Century: Gem Minerals and Localities
- T190. Karst Sedimentary, Paleoclimate, and Historical Records
- T194. Karst Processes and Speleology
- T199. Site Characterization and Monitoring Techniques for Geologic Disposal of Nuclear Waste
- T215. Advances in Mineral Chemistry for Petrogenesis and Exploration of Mineral Deposits

Additional 2020 MGPV Sessions sponsored by GS and MSA

- T29. Life's Innovations from the Early Earth to the Search on Modern Mars: Honoring the Career of Andrew H. Knoll
- T33. Evolving Perspectives on the Tonian Biosphere and Environmental Change
- T44. Broken Paradigms: Shallow-Water Deposition of Organic-Rich Facies through Earth History

- T46. An Interdisciplinary View of Paleozoic Glaciations and Icehouse Climates: Sedimentology, Paleoclimate, Paleontology, Geochemistry, Geochronology, and Modeling
 - T51. Oceans and Climates through Earth History: From Proxy Reconstructions to Model Assessments (Posters)
 - T55. Insights from Microfossils and Their Modern Analogs: From Traditional to Emerging Approaches (Posters)
 - T57. Salinity Analysis of Ancient Depositional Systems
 - T62. The Co-Evolution of Phanerozoic Climate, Landscapes, and Terrestrial Ecosystems
 - T67. Trends and Patterns in Neoproterozoic–Cambrian Biodiversity and Evolutionary Originations
 - T71. The Evolution of Early Phanerozoic Oceans: A Geobiological Perspective
 - T77. New Insights into the History of Life from Novel Techniques
 - T87. Growing a Skeleton: Methodological and Theoretical Approaches to Unraveling the Stories Preserved in Skeletal Materials
 - T98. Groundwater-Surface Water Interactions Under Climate and Anthropogenic Change
 - T104. Metamorphic Geochemistry without Borders: A Session to Honor 2020 Dana Medalist, Daniela Rubatto
 - T127. Gemological Research in the 21st Century: Gem Minerals and Localities
 - T147. Anthropocene Sedimentology: Exploring Human-Sediment Interactions
 - T153. Soils and Long-Term Environmental Change
 - T166. Lakes of the World through Time and Space
 - T168. Out of This World Lakes
 - T179. Applications for DNA Sequencing and Microbial Analysis in Hydrogeology and Environmental Geosciences
 - T182. Novel Outcomes in the Hydrologic Sciences: Emerging Areas of Research, New Educational Approaches, Broadening Participation and Societal Impact
 - T189. Karst Ecosystems and Biogeochemistry
 - T201. Urban Geochemistry
 - T205. Water, Health and Wealth in a Changing World
 - T206. Global Water Resources and Geohealth: Tracing Inorganic Contaminant Origins, Evaluating Human Health Risks, and Remediation/ Mitigation Strategies
 - T207. Lead Pollution, Exposure, Health Risks, and Mitigation Strategies
 - T208. Environmental Geochemistry and Health
 - T209. It's the Dose That Makes the Poison: Advances in Exposure and Dose Assessment for Practical Medical Geology
 - T211. Natural Contamination, Natural Hazards, Health Risk, and Public Policy: Success Stories and Models for Managing, Communicating, and Updating Policy to Address Health Risks of Natural Contamination and Hazards
 - T213. Magnetite Apatite (MtAp) Deposits in Space and Time
 - T215. Advances in Mineral Chemistry for Petrogenesis and Exploration of Mineral Deposits
 - T216. Rare Earth Elements: The Behavior of Critical Minerals in Sedimentary, Magmatic, and Magmatic-Hydrothermal Systems
 - T219. Effect of Fluids on Micro-nano Pore Structure and Connectivity of High-salt Shale Oil Reservoirs (Posters)
 - T223. Exploration of Helium in Sedimentary Basins: The New “Gold” Rush?
- **Reception.** The MGPV Division will join with the Mineralogical Society of America and the Geochemical Society in a joint reception, Tuesday, 27 October 2020: 5:45 PM - 7:30 PM.

- **Business Meeting.** The Division will have its required business meeting during the meeting, time and location yet to be announced. There will be a brief update about the Division, and an opportunity to ask questions or make comments.

MGPV at GSA Section Meetings

Divisions have the primary responsibility for developing the technical session program for GSA Annual Meetings. They are now being asked to take a similar active role for the Section meetings, where their involvement has generally been low. Please consider developing and submitting theme session topics for 2021 and future Section meetings. Now is the time to approach the organizers of those meetings to get MGPV Division theme sessions into the programs.

For 2020, MGPV has agreed to sponsor:

At the 2020 **South-Central GSA Section meeting**, 9-10 March 2020 – Fort Worth, TX

- Mass Extinction in Earth History: New Insights from Paleobiological, Geochemical, and Modeling Studies of Mass Extinction Events (oral only). Organized by Arne Winguth (University of Texas Arlington)

At the 2020 **combined SE-NE GSA meeting**, 20-22 March 2020 - Reston, VA

- Neoproterozoic to Cambrian transitions on the Appalachian, Laurentian margin. Organized by Steven J. Hageman (Appalachian State University) and Edward L. Simpson (Kutztown University of Pennsylvania)
- Timescales and Conditions of Appalachian Metamorphism. Organized by Calvin Mako (Bates College), Allie Nagurney (Virginia Tech), and Kirkland Broadwell (Virginia Tech).

At the 2020 **Cordilleran GSA Section meeting**, 12-14 May 2020 - Pasadena, CA

- Igneous minerals as capsules of length and time scale information for magma processes in magma plumbing systems. Organized by Vali Memeti (California State University Fullerton) and Cal Barnes (Texas Tech University)
- Petrology, Geochemistry, and Structure of Cordilleran Batholiths through Space and Time. Organized by Madeline Lewis and Claire Bucholz (California Institute of Technology), and Jade Star Lackey (Pomona College)
- as well as a field trip: Tectonic and magmatic evolution of Salinian and Nacimiento blocks, central coastal California. Organized by Alan D. Chapman (Macalester College), Scott Johnston (California Polytechnic State University-San Luis Obispo), John Singleton (Colorado State), and Jeremy Hourigan (University of California-Santa Cruz) Community

MGPV website: the GSA Connected

The Mineralogy, Geochemistry, Petrology, & Volcanology (MGPV) Division [website](#) is hosted on GSA's Connected Community. There is a (1) public portion of the MGPV website with the Division description, MGPV awards, resource library, newsletter archive, and events calendar as well as a (2) Division-member-only portion that includes a searchable Division directory, discussion group. GSA's Connected Community is a member-only, on-line community.

As a member of the MGPV Division, you have been subscribed to the Daily Digest version of the MGPV Division's General Discussion Group, meaning that you will receive one e-mail every day containing all of the previous day's posts, if any. If you'd like to change that to no emails (you can view the discussion on-line but won't receive e-mail) or to real time (you will receive an email every time something new is posted), use the "My Subscriptions" link found to the right of this post or in the footer.

MGPV Division Organizational Items

- **Membership.** The Division grew rapidly after it was established in October of 2009:

547	2009 Division affiliates as of 31 December 2009
972	2010 Division affiliates as of 30 December 2010
1,437	2011 Division affiliates as of 30 December 2011
1,434	2012 Division affiliates as of 30 December 2012
1,385	2013 Division affiliates as of 30 December 2013
2,261	2014 Division affiliates as of 30 December 2014
2,249	2015 Division affiliates as of 30 December 2015
2,236	2016 Division affiliates as of 30 December 2016
1,986	2017 Division affiliates as of 30 December 2017
2,033	2018 Division affiliates as of 30 December 2018
2,366	2019 Division affiliates as of 31 December 2019
1,239	2020 Division affiliates as of 11 January 2020



In 2014, GSA instituted a policy wherein students can join their first Division at no cost. This new policy dramatically increased MGPV membership. Students

went from about 30% of the membership to 60%. But another result is a loss of income. Help us sustain a strong Division by renewing, asking others to join, and volunteering. We have several hundred individuals with lapsed memberships, and so there is room to grow.

- **Finances:** of 12/31/2019, MGPV has a (unrestricted) cash balance of \$14,742.26. Dues income in 2018-2019 (GSA's and the Division's fiscal year to July 1 through June 30) was \$7,626.86. This is slightly more than the previous 12-month periods dues of \$7,556.65 (2017-2018) and \$7,437.98 (2016-2017). The Division received \$16,000 in transfers from the James B. Thompson, Jr. Fund of the GSA Foundation to support 3 student research grants, 10 student travel grants, and the 2019 Distinguished Geological Career and Early Career Awards. In addition, the Lipman Research Fund provided \$32,000 and the Ian S.E. Carmichael Research Award \$2,000 to fund those student research grants.

Division expenses during this period were \$362.44. for AV services, postage, shipping, and freight; \$9,300.00 for student grants, student & awardee travel support; and \$2,716.86 for the reception (this is 1/3 of the total remaining cost after ticket sales with that balance due shared

among MGPV, GS & MSA).

MGPV has enough income for the upcoming 2019-2020 fiscal year to support the MGPV's awards, reception, and perhaps up to three student research grants, but we must keep an eye on membership/dues and GSA Foundation support.

• ***Committee and Appointed Post Volunteers:***

Division members help with the important tasks of the Division by serving on committees and in appointed posts. You might be asked to serve on one of them.

The ***Distinguished Geological Career Award Committee*** and the ***Early Career Award Committee*** encourage and evaluate nominations for the respective awards.

The MGPV Management Board consists of ten people, each of whom can appoint one person to serve on committee for one year. Each member of the Management Board (this includes representatives from the Adhering Societies) is entitled (but not required) to select one person to serve on this committee for one year. The Division Chair appoints one of those committee members as the chair. As noted in the piece on the award, for this year nominations are due on 31 March 2020, and the Award Committees will make its recommendation by 15 August 2020.

The ***Nominating Committee*** of the Division reports to the Management Board a list of candidates to run for office the following year. The Nominations Committee makes a public call for either volunteers or recommendations to be considered for the open positions of second vice-chair and/or secretary-treasurer. The Committee can also identify possible candidates for office on their own. Additionally, nomination of a candidate to become a Division officer also may be made to the Division Secretary-Treasurer by any four voting affiliates of the division in good standing who also verify that the candidate is qualified and willing to serve in that office. This candidate's name will be forwarded to the chair of the Nominations Committee in time for inclusion in their report to the Management Board.

From the pool of candidates, the Nominations Committee will select a single candidate for each open office by majority vote. In a written report, the Nominations Committee will inform the Management Board of the vote, include the list of individuals considered, and the curriculum vitae. When approved by the Management Board, the nomination(s) shall become the election slate. The membership will be asked for a vote of confidence for the candidates of all open offices. In the event that the vote of confidence fails, the second candidate on the list will stand for a vote of approval or non-approval.

Voting takes place during August, and officers will be inducted at the annual business meeting in the fall (northern hemisphere). For this to happen, the committee needs to be in place by April 1 and the slate submitted to GSA by July 1.

The ***Program Committee*** is a standing committee. It plans and arranges for the technical sessions and symposia of the division at the Annual and Sectional Meetings of the Geological Society of America, and other external meetings as may be directed by the management board.

We thank the following individuals who volunteered for MGPV committees and posts this past year:

- **DGC Award Committee:** Rosemary Hickey-Vargas (Chair), Donna Whitney (2017-2019), Charles Alpers (2017-2019), Diane Moore (2018-2020), Mihai Ducea (2019-2021), Maureen Feineman (2019-2021)
- **MGPV Early Career Award Committee:** Rosemary Hickey-Vargas (Chair), John Valley (2018-2020), Elisabeth Widom (2018-2020).
- **Officer Nominations Committee:** Anita Gunder (Chair), and past MGPV Division Chairs: Wendy Bohrsen (past MGPV Division Chairs), Cal Barnes, and Eric Christiansen

- **Student Research Grants** (for 2019): Anita Grunder (Chair), and MGPV Division Officers: John W. Shervais, Rosemary Hickey-Vargas, and Mark Caddick
- **JTPC Representative:** Rosemary Hickey-Vargas

MGPV Voting

• **Election 2019.** 318 Division members voted during August 2019. Rosemary Capo was elected Second Vice-Chair. Mark Caddick moved to the position of First Vice-Chair, Rosemary Hickey to Chair, and John W. Shervais to Past-Chair. J Alex Speer was elected for a continuing term as Secretary-Treasurer.

• **Election 2020.** The MGPV Management Board changes yearly after the Division Annual Business Meeting at the GSA Annual Meeting. Elections are held over 30 days during the summer (northern hemisphere), for the position of Second Vice Chair and biennially for the position of Secretary-Treasurer. The positions of Past Chair, Chair, and First Vice-Chair are filled in succession by the individuals from the preceding office. The election will also be the time when members are asked to approve any Bylaw changes. The election of Division officers only requires that the Secretary-Treasurer notify GSA of the results. Any Bylaws changes must be submitted for GSA Council approval a month before a GSA Council meeting.

The election in 2020 will be for Second Vice-chair. For members who have given GSA their e-mail addresses, voting is online. The message notifying you that voting is open will contain the necessary USERID and password for you to do so. Members who do not have internet access will receive a paper ballot through the US mail from GSA.

GSA Today. GSA is asking the Divisions to write articles about what they are doing. Ideally the science of the Division is what they would like to see, rather than about meetings, minutes, announcements, etc. – the things that appear in this newsletter. These would be short, about 750 words without a photo; 500 words with a photo. Suggestions are:

- Top 10 list of what the Division does? of its science? what it addresses?
- A current event that has impacted your Division?
- Essays about the science covered by the Division for a non-technical audience
- Other topics mentioned by you (student work, division science...are all great ideas)

There is a two-month lead time to publication.

Giving to MGPV. Did you know that you could donate to the MGPV Division? To make a gift, please go to [GSA Foundation's online giving page](#). Enter a donation amount and then select "Mineralogy, Geochemistry, Petrology, and Volcanology" from the "Category or Area of Interest" pull-down menu. The Division would like to increase its support of student activities.

GSA Student Advisory Council

In April 2014, the GSA Council established the [Student Advisory Council \(SAC\)](#) as a forum through which student members of the GSA could communicate directly with the Council. The SAC consists of ~35 members appointed as representatives from GSA Divisions, Sections or Committees and has one non-voting seat on the GSA Council. The MGPV representative to SAC is Kayleigh Rogers (Kansas State University). If you have any concerns about GSA programming or any ideas as to how GSA can help students, please email Tom at trb@stanford.edu.

Announcements

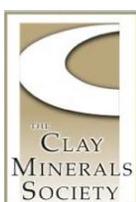
from MGPV:

[1] Consider nominating deserving candidates for MGPV Division's Distinguished Geologic Career and Early Career Awards. Procedures and deadline (**31 March 2020**) for nominations are given on the [MGPV Division's Connected Community site](#).

[2] Consider nominating deserving MGPV members for GSA Fellowship. The deadline is 1 February each year. GSA members are elected to Fellowship in recognition of distinguished contributions to the geosciences. The criteria for GSA Fellowship, the nomination process, the names of current fellows are given on the [GSA website](#).

from the Adhering Associated Societies:

- A listing of MGPV-related Scientific Meetings and Events is on the [Elements magazine calendar site](#).
- The **Mineralogical Association of Canada (MAC) Annual Meeting** is May 13 - 15, 2020 in Calgary, Alberta, Canada. Once in a decade, the CSPG, CSEG and CWLS partner with GAC, MAC and IAH to bring together a fully integrated geoscience program. More information and online registration at <https://www.geoconvention.com>



- The **Clay Minerals Society (CMS) 57th Annual Meeting** is 15-19 June 2020, Pacific Northwest National Laboratory, Richland, Washington. [Details](#).
- **Nominations for the CMS 2020 Awards**. Deadline is March 1, 2020. [Details](#).
- CMS will have an exhibit at the [GSA Joint NE/SE Section Meeting](#), March 19-22, 2020, Reston, VA. The meeting will be held at the Hyatt Regency Reston, Reston, Virginia.

- [Goldschmidt 2020](#), The Goldschmidt Conference will be held in Honolulu, Hawaii from June 21 – 26, 2020. The deadline for abstracts is February 14, 2020



- The [Geochemical Society Meeting Assistance Program](#) was established in 2002 to support geochemistry sessions/symposia at any scientific conference of geochemical relevance. Deadlines for applications are **March 31** and **September 30** every year. Two sponsorships of \$2,500 each will be awarded following both deadlines, for a total of four per year.

Applications are reviewed and approved by the Program Committee. Awards are distributed in United States dollars and must be distributed to an organization (not an individual). The applicant of a funded program should also expect to write up a post-symposium report for publication in *Elements Magazine* and/or *Geochemical News*. Deadlines for applications are **March 31** and **September 30** of each year.

- **Mineralogical Society of America (MSA)**. Nominations are sought for the [Roebling](#) and [Dana Medals](#) and [MSA Award](#). You need not be an MSA member to nominate someone. Nomination deadlines are June 1.



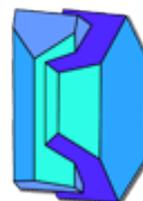
- The Mineralogical Society of America (MSA) invites applications for the [2020 MSA Grant for Research in Crystallography](#) and for the [2020 MSA Student Research In Mineralogy and Petrology](#). There are up to three research grant awards of \$5,000 each. Application deadline is March 1, 2020. Awardees must be MSA members; MGPV student members are invited to apply.

- The [Mineralogical Society of America's Undergraduate Prize](#) (formerly *American Mineralogist Undergraduate (AMU) Award*) program recognizes outstanding students who have shown an interest and ability in the discipline of mineralogy. Each student is presented a certificate, receives a student membership in MSA with access to the electronic version of *American Mineralogist* and *Elements*, and a *Reviews in Mineralogy and Geochemistry* or *Monograph* volume chosen by the sponsor, student, or both.

Mineralogical Society of America. In celebration of MSA's 100th anniversary in 2019, the organization started its MSA Centennial Ambassador program. Ambassadors are MSA members who give presentations to the general public on topics in mineralogy, geochemistry or petrology. Due to the program's success, MSA is continuing the Ambassador initiative in 2020 and beyond. Click [here](#) for information on how to participate, a list of Ambassadors and their topics, and a PowerPoint slide highlighting MSA's programs.

- MSA will have an exhibit at the [GSA Joint NE/SE Section Meeting](#), March 19-22, 2020, Reston, VA. The meeting will be held at the Hyatt Regency Reston, Reston, Virginia.

- **The Mineralogical Society of Great Britain & Ireland (MSGBI)** offers *travel/research bursaries* directly and through its constituent special interest groups (Applied Mineralogy, Clay Minerals, Volcanic and Magmatic Studies, Metamorphic Studies, Geochemistry, Environmental Mineralogy Group, Mineral Physics, Geomicrobiology). Visit <https://www.minersoc.org/bursaries.html>. MSGBI also offers free membership to students for one year. This includes a subscription to *Elements* and is open to applicants from all countries. Details at <https://www.minersoc.org/membership.html>. The Society has launched a new series of biennial meetings: 'New Topics in Mineralogy'. The first in the series, 'Diffusion in Minerals, Rocks and Melts: Potential and Pitfalls' will be held in London on 23rd November 2020. More details at: <https://www.minersoc.org/diffusion.html>



- **The Third European Mineralogical Conference (emc2020)** will be held in Krakow, Poland on 6–10 September 2020 and will focus on current and future challenges in the Earth, planetary and environmental sciences, and fostering an exchange of new views and research results between scientists from Europe and beyond. [Details](#).



Division Management Board

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Second Vice-Chair (2020)

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Secretary-Treasurer (2020-2021)

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Welcome to the newsletter of GSA's Mineralogy, Geochemistry, Petrology, and Volcanology (MGPV) Division. Aside from the Division website, newsletters are one important means for GSA Division leaders to communicate information to their members, and they serve as an archive for the Division.

The MGPV Division publishes two newsletters per year. The first after GSA's and Division's Annual Meeting and before any elections, deadlines for abstracts, and nominations. A second newsletter is issued a month or so before the Annual Meeting. Newsletters will contain Division news, calls for award nominations and meeting abstracts, announcements of upcoming meetings, ballot and officer candidate information, meeting news, award acceptances, and other important news and information.

If you are a member that has email access, a notice will be sent by GSA alerting you that a new issue has been posted on the website. Those members who do not have internet access will receive the newsletter in paper form through the US mail sent by GSA. Issues of the newsletter, both present and future, will be available for retrieval in electronic Portable Document Format (pdf) on the Division's website.

The MGPV Division leaders welcome your feedback to the newsletter of the Mineralogy, Geochemistry, Petrology, and Volcanology (MGPV) Division.

Newsletter Editor: J. Alex Speer

Webmaster: J. Alex Speer

GSA Council/Division Liaison

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