Message from the Chair

Greetings MGPV Members!

Our Division has been active in many ways since you received the last newsletter! We asked you, the membership, to help make the 125th Annual Meeting a success. You responded by proposing three Pardee symposia, one special session, and 60 (!) technical sessions that are sponsored by MGPV. The level of activity speaks volumes about the vibrancy of our disciplines.

During the past year, the Division was able to use income from dues and donations to support four Student Research Awards. This year’s awardees are highlighted in the newsletter - congratulations to them all. In addition, the newsletter highlights the bequest to GSA from James B. Thompson, Jr. Income from this bequest will allow the Division to provide additional support to deserving students as well as support the Division’s Distinguished Geologic Career Award and the new Early Career Award.

As many of you know, this year GSA is promoting On To the Future: a program designed to bring 125 deserving students from underrepresented groups to the Annual Meeting in Denver. The Division has contributed to this cause and I encourage you to contribute, and to identify and nominate students to be part of this group.

Finally, I look forward to seeing you at the joint Reception with Mineralogical Society of America and the Geochemical Society, Tuesday, 29 October 2013: 5:45 - 7:45 PM, where we will honor this year’s Distinguished Geologic Career Awardee, Dr. Gerhard Wörner.

Calvin G. Barnes, Chair, MGPV Division
Texas Tech University
2013 MGPV Division Distinguished Geologic Career Award to Gerhard Wörner

Gerhard Wörner, Geochemische Institut, Georg August Universität Göttingen, Göttingen, Germany, is the 2013 Distinguished Geologic Career Awardee. The award will be presented at the Reception during the 2013 GSA Annual Meeting, Denver, CO, USA following a session in his honor: T169. Volcanology, Mineralogy, Geochemistry & Petrogenesis of Circum-Pacific Magmatism: A Tribute Session to Gerhard Wörner.

Dr. Wörner is cited for his important contributions in each of the research fields of the Division - mineralogy, geochemistry, petrology, and volcanology. He has employed very broad and sophisticated analytical approaches to address specific questions of geologic importance. His research has always been based on multidisciplinary, field-based foundations in which the problem under consideration is cast in the framework of the Earth as the natural laboratory. His research has focused on physical volcanology; the evolution of magmatic systems, from the crystals to the orogenic scale; magmatism in continental rifts (Rhine Graben, West Antarctic Rift) and at convergent plate boundaries (Kamchatka, Central America, Andes); and the interaction between tectonic and magmatic processes in orogenic belts.

James B. Thompson Jr. Bequest

The July 2013 issue of GSA Today announces a gift from the estate of James B. Thompson Jr. to the Geological Society of America. He retired as the Sturgis Hooper Professor of Geology at Harvard in 1992 after a career of more than forty years. He earned GSA’s Arthur L. Day Medal, Mineralogical Society of America’s Roebling Medal, and the Geochemical Society’s Goldschmidt Medal. Thompson served as the president of both the Mineralogical Society of America and the Geochemical Society. In late 2012, the Geological Society of America Foundation learned that it was the beneficiary of a bequest of nearly $1.5 million from Thompson’s estate. In consultation with many of his former students, the Geological Society of America will honor the career and contributions of James B. Thompson Jr. in several ways to benefit not only GSA, but the MGPV Division as well using funds from the bequest:

• Each year, GSA’s International Section will designate two James B. Thompson Jr. Distinguished International Lecturers. Each will be a scientist of great distinction - one from North America to give a series of lectures abroad and one from Asia, Africa, Europe, or Latin America to give a series of lectures in North America.

• In collaboration with GSA, the Foundation will provide seed money of up to US$10,000 to the organizers of as many as four Penrose Conferences each year. For more than 40 years, the Penrose Conference program has brought
together multidisciplinary groups of leading geoscientists and students to facilitate open and frank discussions of ideas in an informal atmosphere intended to stimulate individual and collaborative research. Seed money from the James B. Thompson Jr. bequest will increase the vitality and frequency of these critical research conferences.

- GSA will annually fund as many as three *James B. Thompson Jr. Student Research Grants in Metamorphic Petrology and Geochemistry*.

- GSA’s Mineralogy, Geochemistry, Petrology, and Volcanology Division will henceforth award annually two distinguished scientist awards in memory of James B. Thompson Jr. – a *Career Award* and an *Early Career Award*.

- The Mineralogy, Geochemistry, Petrology, and Volcanology Division will also support travel for one or more students to attend a research conference, specialty conference, or field conference anywhere in the world.

These new and enhanced programs honor Thompson’s memory by increasing the interaction of scholars and students and offering opportunities for scholars of the Earth to conduct their research and collaborate toward the furtherance of the disciplines to which he made so many lasting contributions.

**MGPV Division Student Research Grants**

This is the third year for the MGPV Division’s annual student research award, and the Division has been able to increase the number of awards from two to four. The 2013 awardees are:

**Emily Hernandez Goldstein** of the University of Texas at Austin for her project: *Magnetite (U-Th)/He and (U-Th)/Ne geochronology: constraining serpentinization along magma-poor continental margins.*

The role of serpentinization in plate tectonic processes from rifting to subduction and related magmatism is critically important, yet remains poorly understood. Despite the fact that it is found at major plate boundaries worldwide, there is no consensus on when serpentinization occurs, its duration, how deep it forms, or what effects it has on rheological weakening at plate boundaries. The ability to temporally constrain serpentinization by directly dating the formation of magnetites that crystallize during the reaction of olivine with water would have broad impacts on our understanding of how these thermal, mechanical and chemical processes take place at plate boundaries, and what effects this has on our plate tectonic models. This research plans to date serpentinite samples from well-studied field localities using (U-Th)/He and (U-Th)/Ne geochronology in order to test the whether serpentinization occurred in one or multiple stages, and whether it was fast or slow cooled.
From Emily Hernandez Goldstein: “My favorite aspects of geology are the opportunities for travel, the power of observation, and the ability to combine these to do cutting edge research that changes our fundamental understanding of the Earth. After graduating high school from an international school in the Netherlands, I volunteered for a year with the Nevada Conservation Corps, an AmeriCorps program. I went on to receive my B.A. from Columbia University in Earth Science with a minor in Portuguese Studies. For my senior thesis research, I was lucky enough to participate in an NSF funded Research Experience for Undergraduates in Yellowstone National Park looking at Archean rocks of the Wyoming Province. After graduating from Columbia, I fulfilled a long-time dream and hiked the Appalachian Trail from Maine to Georgia. I recently joined the Jackson School of Geosciences at UT-Austin to pursue my PhD under the supervision of Danny Stockli. I very much look forward to conducting this research and am grateful for the funding to do so.

Ben Luetkemeyer, of Saint Louis University for his project: *Clumped isotope thermometry of carbonate veins and breccias from the SAFOD drill hole.*

Fluids play a primary yet complex role in fault weakening processes. Calcite veins and fault breccias present in the San Andreas Fault (SAF) zone can be used to constrain crystallization temperature and origin of paleofluids. Recent drilling as part of the San Andreas Fault Observatory at Depth (SAFOD) provides an opportunity to obtain physiochemical, structural, and compositional data from an actively slipping, plate-bounding fault at intermediate depths (Fig. 1ab). Hypotheses proposed to explain the apparent weakness of the SAF are: presence of weak fault rocks, elevated fluid pressures, and dynamic processes operating during coseismic slip. These hypotheses require fluids being present within the fault zone. Calcite veins present in the creeping section of the SAF attest to the presence of fluids. I propose to combine clumped isotope and stable isotope chemistry of carbonates to constrain the origin and isotopic composition of mineralizing fluids once present within the SAF zone.

Ben Luetkemeyer received his B.S. degree in geology and B.A. degree in chemistry from Saint Louis University in 2004. Ben worked as a geologist for Terracon Consultants, Inc. from 2004-2009. He is currently a PhD candidate at Saint Louis University investigating the role fluid-rock interactions in a variety of geologic settings including the Sevier fold-thrust belt in east-central Utah, Paradox Basin in southeast Utah, and the San Andreas Fault Observatory at Depth.
(SAFOD). Ben’s research tools include field mapping, geochemical analysis, and numerical modeling. Ben’s current work involves the application of carbonate clumped isotope geothermometry to constrain the origin and isotopic composition of mineralizing fluids once present within the San Andreas Fault zone. Results from this work may add to our current understanding of fault rocks development, fluid pressures evolution, and dynamic processes operating during coseismic slip along an actively deforming plate-bounding fault.

**Kirsten Sauer** of the University of Nevada-Reno for her project: *Sediment Incorporation in Arc Systems: Insights from the North Cascades*

Past field-based research investigating sediment incorporation in the mid to deep crust of continental magmatic arcs is sparse, yet the presence of metasedimentary rocks has significant mechanical and geochemical consequences for arc systems. Sediments entrained in the arc system readily melt to a granodioritic composition, which contribute to the formation of felsic continental crust. The North Cascades, Washington, expose abundant metasedimentary rock in the crystalline core of an exhumed arc. These sediments lead to questions of their origin and their impact on the rheologic evolution of the arc. How do these sediments, formed at Earth’s surface, get entrained into the arc and recrystallized at close to 40 km? This study will test proposed mechanisms for sediment incorporation in arc systems through isotopic, structural, and chemical studies of the Skagit Gneiss Complex and provide insight into the role of sediments and the overall formation of the crust in arc settings.

From Kirsten Sauer: “I am finishing up my first year as a geological sciences Ph.D. student at University of Nevada, Reno working with Stacia Gordon. My research is based in the North Cascades in Washington, integrating field observations with detrital U-Pb zircon geochronology, Nd and Hf isotope systematics, and thermobarometry to test mechanisms of sediment incorporation in arc systems, as the origin of metasedimentary rocks in arc systems remains, for the most part, unconstrained. Previously, I obtained my B.A. in Science of Earth Systems at Cornell University working with Bill White and Chris Andronicos. I completed a senior thesis using geochemistry to understand the provenance of Archean aged metasedimentary rocks exposed along the northernmost border of Yellowstone National Park through an NSF REU program run by Dave Mogk and Darrell Henry. In my spare time, I enjoy hiking, biking, and spending time in the mountains surrounding Reno.”
Chris Yakymchuk from the University of Maryland for his project: *Separating superimposed high-temperature metamorphic events using Lu–Hf garnet geochronology*

Two high-temperature metamorphic events affected the Fosdick migmatite–granite complex of West Antarctica. Monazite inclusions in garnet yield Carboniferous U–Pb ages from cores but Cretaceous ages from rims and garnet itself yields Cretaceous Sm–Nd model ages that have been interpreted to represent diffusional resetting of Carboniferous garnet during a younger Cretaceous metamorphic event. I propose to test this hypothesis by analyzing two samples for garnet Lu–Hf geochronology, an isotope system with a significantly higher closure temperature in garnet than Sm–Nd. The results will be used to refine estimates of P–T conditions during the Carboniferous metamorphic event—which has implications for the tectonic setting of West Antarctica—and will be used to evaluate if the Lu–Hf isotope system in garnet can be used to date superimposed high temperature metamorphic events when other isotope systems have been reset.

Chris is currently a Ph.D. student at the University of Maryland in College Park. He obtained a Bachelor’s degree from Dalhousie University in Halifax, Canada and pursued an honours thesis studying the petrological significance of coronitic mafic granulites in Arctic Canada. After that, he obtained a M.Sc. from Queen’s University in Kingston, Canada, where he studied the coupled role of metamorphism and deformation in the construction of inverted metamorphic sequences in the Greater Himalaya of Nepal. His dissertation research focuses on the Fosdick migmatite–granite complex in West Antarctica to evaluate the role of anatexis in differentiating the continental crust at convergent margins.
• **Reception.** The MGPV Division will join with the Mineralogical Society of America and the Geochemical Society in a joint reception on Tuesday, 29 October 2013: 5:45 PM-7:45 PM, during which:

**MGPV 2013 Distinguished Geologic Career Award.** The MGPV Division’s 2013 Distinguished Geologic Career Award will be presented to **Gerhard Wörner**, Geochemische Institut, Georg August Universität Göttingen, Göttingen, Germany, during the MGPV Reception. Dr. **Gerhard Wörner**, Geochemische Institut, Georg August Universität Göttingen, Göttingen, Germany will give his **Distinguished Geologic Career Award Lecture** - at the MGPV-sponsored session on *Volcanology, Mineralogy, Geochemistry & Petrogenesis of Circum-Pacific Magmatism: A Tribute Session to Gerhard Wörner*.

**MGPV Division Student Research Grants.** **Emily Hernandez Goldstein** of the University of Texas at Austin; **Ben Luetkemeyer**, of Saint Louis University, **Kirsten Sauer** of the University of Nevada **Chris Yakymchuk** from the University of Maryland, student research grants recipients will be recognized during the MGPV Reception.

• **Business Meeting.** The Division will have the required business meeting. Dates and times will be known in late August. There will be a brief update about the Division, and an opportunity to ask questions or make comments.

• **Booth.** The Division will have a booth in the Exhibit Hall.

2013 Annual Meeting in Denver, CO
Sessions sponsored by MGPV and its Associated Societies

<table>
<thead>
<tr>
<th>Pardee Keynote Symposia</th>
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<tr>
<td>• Anniversary Pardee Symposium: 125 Years of Exploration and Geoscience with GSA and the National Geographic Society: Celebrating the Rich History of Geoscientist Explorers Who Have Broadened Our Horizons and Knowledge of Our World</td>
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<tr>
<td>• Back to the Future: Eocene–Early Oligocene Climatic Response to Geological Processes and Implications for the Future Earth</td>
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<tr>
<td>• Rare Earth Elements: Minerals, Mines, Magnets (and More)</td>
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<tr>
<th>Special Session</th>
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Technical Sessions

T005. Impact Cratering in the Solar System: Fire to Ice—Vacuum to Atmosphere  
T008. Meteorites of Northwest Africa: New Discoveries, Cutting-Edge Science, and Advances in Planetary Geology  
T022. Quantifying Mountain Evolution from the Lithosphere to the Landscape  
T029. New Frontiers in Cosmogenic Nuclide Applications: Pushing Analytical and Geological Limits to Understand the Past, Present, and Future of Earth’s Surface  
T046. Experimental Study and Numerical Simulation of Reactive Chemical Transport in Complex Subsurface Media  
T060. Caves as Deep Time Repositories of Geological, Biological, and Anthropological Information  
T078. Environmental Impacts of Coal Utilization  
T079. Geochemical Mapping at Regional to Continental Scales  
T093. Erionite in the USA  
T098. Recent Advances and Applications of Isotope Geochemistry and Geochronology to Ore Deposit Studies  
T099. Sediment-Hosted Base Metal Deposits  
T106. Geophysical/Remote Sensing Characterization of Rare Earth Element and Other Critical Mineral Deposits  
T111. The Structure and Evolution of the North American Lithosphere: An Integrated Perspective  
T119. Digital Geology Express (Digital Posters)  
T151. Biogeochemical Processes Affecting Metal and Metalloid Isotopes  
T152. Celebrating the Scientific Contributions of Kirk Nordstrom—Part 1: Acid to Neutral Mine Drainage, Geochemistry of Iron and Sulfur, Sulfate Minerals, Natural Background, and Geochemical Modeling  
T154. Coupling Colloid-Water Interfacial Geochemical Processes with Contaminant Transport: Micro Vehicles for Big Problems  
T155. Dating the Prograde Path in Metamorphic Rocks: Methods, Advances, Limitations, and Applications  
T157. Frontiers in Petrochronology  
T158. Geochemistry of Flowback and Produced Waters from Hydraulically Fractured Black Shale  
T160. Hot Topics: Understanding Metamorphic Processes in the Middle to Lower Crust  
T161. Hydrochemistry and Biogeochemistry of Tropical Mountainous Rivers & Estuaries  
T162. Interdisciplinary Studies across the Critical Zone  
T164. Recent Advances in Geochronology—Celebrating the 100th Anniversary of the Publication of the “The Age of the Earth” by Arthur Holmes  
T168. Urban Geochemistry  
T169. Volcanology, Mineralogy, Geochemistry & Petrogenesis of Circum-Pacific Magmatism: A Tribute Session to Gerhard Wörner  
T171. Disposal of Radioactive Waste: Promise, Progress, Pitfalls, and Path Forward  
T176. Applied Volcanology: The Role of Physical Volcanology and Volcanic Facies Mapping in Mineral Deposit Studies  
T180. Gondwanan Terranes along Laurentian Margins  
T181. Modern Techniques, Models, and Interpretations of Ancient Orogens: 125 Years of Progress in Understanding the Grenville and Appalachian Orogens of Eastern North America
T184. Recent Advances in Thermochronology  
T186. STAMP: Structure, Tectonics, and Metamorphic Petrology  
T188. Tethyan Evolution and Seismotectonics of Southwest Asia: In Honor of the 40 Years of Manuel Berberian’s Research Contributions  
T189. The Basement Complex (or Complex Basement): What Is It? How Is It Formed, Conserved, and Modified? And How Are Mineral Resources and Geologic Hazards Distributed Within It?  
T192. Volcanic/Tectonic Processes and Their Interactions on Rocky Planets and Moons  
T194. Current Understanding of Dolomite, Dolomitization, and Dolomite Problems  
T195. Advances in Quantitative Sediment Provenance Research: Novel Approaches from Multi-Proxy Provenance Data to Provenance Modeling  
T204. Fluid-Mineral Interaction Mechanisms and Their Effect on Catalyzing Deformation and Metamorphism  
T206. Magma Transport, Emplacement, and Accommodation: Morphology, Mechanisms, and Models  
T213. Through the Looking Glass: Microstructural Insights into Tectonic Processes  
T215. Frontiers in High-Pressure Research: In Honor of Wendy Li-Wen Mao, 2013 MSA Awardee  
T216. Gemological Research in the 21st Century: Characterizing Diamonds and other Gem Minerals  
T217. Using Minerals to Answer Archaeological Questions  
T218. Illuminating Felsic Origins: Using Novel Multiple-Method Approaches to Investigate the Birth of Silicic Magmas  
T219. Microanalysis of Trace Elements and Isotopes in Igneous Petrology: Applications to Genesis, Storage, Evolution, Transport, and Eruption of Magma  
T220. Processes and Timescales of Magma Evolution in the Crust: Insights from the Past Fifty Years and Approaches for the Next Fifty Years  
T221. The Development, Application, and Value of Phase Diagrams for Understanding High-Temperature Crustal and Upper Mantle Rocks  
T222. What Can We Learn About Plutons From Volcanic Rocks and What Can We Learn About Volcanoes From Plutonic Rocks?  
T223. Revealing Thermal Histories Using Chronological and Mineralogical Techniques  
T224. A Life in Earth History from Tectonics to Climate (Posters): The Scientific Legacy of Paul F. Hoffman  
T255. Produced Waters: Characterization and Impacts of Subsurface Brine and Formation Water Associated with Hydrocarbon Production  
T256. Proterozoic Meets Archean: Amalgamation of Laurentia  
T257. Regional to Global Perspectives on the Formation, Assembly, and Tectonic Evolution of Western North America from the Neoarchean through the Mesoproterozoic  
T258. The Pulse of the Earth: Episodic and Periodic Events on Timescales of ≥10 million Years

MGPV at GSA Sectional 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 been small. Please consider developing and submitting theme session topics for 2014 Section meetings. Now is the time to approach the organizers of those meetings to get MGPV Division theme sessions into the programs. Contacts are listed on the GSA Section Meetings page <http://www.geosociety.org/meetings/>.
MGPV Membership and Finances

- **Membership.** The Division has grown rapidly since it was established in October of 2009:

<table>
<thead>
<tr>
<th>Number</th>
<th>Year &amp; Affiliates</th>
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<tbody>
<tr>
<td>547</td>
<td>2009 Division affiliates as of 31 December 2009</td>
</tr>
<tr>
<td>972</td>
<td>2010 Division affiliates as of 30 December 2010</td>
</tr>
<tr>
<td>1,437</td>
<td>2011 Division affiliates as of 30 December 2011</td>
</tr>
<tr>
<td>1,432</td>
<td>2012 Division affiliates as of 30 December 2012</td>
</tr>
<tr>
<td>1,314</td>
<td>2013 Division affiliates as of 30 June 2013</td>
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Retaining the 2012 numbers depends on all members renewing for 2013. Please remember to renew your Division membership at GSA annual membership renewals time, and encourage your colleagues to join. If a GSA member has already renewed, they can, at any time, join the Division by filling out a form. Go to specialty divisions and then to “join a division” <http://www.geosociety.org/members/joindiv.htm>. Return the form to GSA or contact GSA Sales and Service; send them your member ID, name, credit card information, and the name of the Division. (It is clearly easier to join a Division at renewal time!) Division dues are: Student, Recent Graduate, or K-12 Teacher - $5, Professional Member or Fellow - $10. Please help us sustain a strong start by joining, asking others to join, and volunteering.

- **Finances:** As of 06/30/2013, MGPV has a cash balance of $21,565.86. The income in 2012-2013 (GSA’s and the Division’s fiscal year to July 1 through June 30) was $9,503.35 from dues. Expenses during this period were $137.81 postage, shipping, and freight; $3,000.00 for student grants, and awardee & speaker travel support; $1,715.35 for the reception (1/3 of the total cost with the balance shared between GS & MSA). Bottom line: we have enough money for the upcoming 2013-2014 expenses for MGPV’s Distinguished Geologic Career Award, reception, and increasing the number of student research grants to 4.

Announcements from Adhering Associated Societies

- Web listing of MGPV Scientific Meetings at <http://homepages.udayton.edu/~akoziol1/meetings.html>

  - The Mineralogical Society of America (MSA) will have its Award & Presidential Lectures at Denver GSA 2013 - Tuesday, 29 October starting at 3:00 pm. The Roebling Medal will be presented to Frank C. Hawthorne, the MSA Award to Wendy Li-Wen Mao, and the Distinguished Public Service Medal to Pierrette Tremblay. Frank C. Hawthorne gives the *Roebling Lecture: Toward a Theoretical Basis for Mineralogy*; Wendy Li-Wen Mao gives the *MSA Award Lecture: Space, Energy, Time: A closer look at minerals at extreme conditions*; and John M. Hughes will follow with his *MSA Presidential Address: The many facets of apatite*. 

http://www.geosociety.org/divisions/mpvg/
• The Mineralogical Society of Great Britain & Ireland (MSGBI) has several meetings (<http://www.minersoc.org/meetings.html> for details): 2–4 September 2013 **Metamorphic Studies Group** Building Strong Continents Evolution of the Crust: growth, stabilization, preservation and recycling; 6–8 January 2014 **Volcanic and Magmatic Studies Group** 50th Anniversary Meeting.

• The Mineralogical Society of Great Britain & Ireland (MSGBI) Applications are invited for a number of travel bursaries which are to be awarded by the Society. There are two kinds:

**Postgraduate Student Bursary awards** The purpose of these awards is to support academic work by allowing attendance at overseas conferences and meetings; encouraging international collaboration involving research of high merit; or supporting fieldwork. The next deadline for receipt of applications is 10th January 2014. Details at <http://www.minersoc.org/postgraduate-bursaries.html>. In 2014, this fund will include an additional £2000 dedicated to applications for funding to attend the IMA 2014 conference in South Africa.

**Senior Travel Bursary awards** The purpose of these awards is to support academic work by: allowing attendance at overseas conferences and meetings; encouraging international collaboration, involving research of high merit; or supporting fieldwork. The next deadline for receipt of applications is 10th January 2014. Details at <http://www.minersoc.org/senior-bursary.html>.

Applications are welcome from members and non-members alike.

• The Mineralogical Association of Canada (MAC) have awards travel and research grants to assist honours undergraduate and graduate students in the mineral sciences to present their research at a conference, visit a facility, laboratory, or field area to gather data for their research, or to pay for analyses or equipment for an independent research project that will complement their main research project.


**Foundation Scholarship:** Two CAN$5,000 scholarships to graduate students yearly, one to a student enrolled in an MSc program and one to a student in a PhD program. **Deadline for application: May 2014**

**Student Travel/Research Grants:** Travel and research grants to assist honours undergraduate and graduate students in the mineral sciences. The maximum grant value is CAN$1,200 per student. Grants will fund up to 50% of costs incurred for registration, travel and subsistence, and up to 100% of other research costs (e.g., equipment, analyses). Quotations and receipts may be requested for any equipment purchased. **Deadline for application: 15 January 2014**

**Student Awards:** Given annually to undergraduate students at recognized Canadian universities or institutions of higher education, for excellence in one of the specialties supported by MAC

• The Geochemical Society is co-sponsoring 33 sessions at this year’s GSA meeting. The full list of these co-sponsored sessions and their description is available at [http://www.geochemsoc.org/programs/gsa-annual-meeting/](http://www.geochemsoc.org/programs/gsa-annual-meeting/) As in years past, the GS will present its Ingerson Lecture at GSA, and is a proud co-sponsor of the MGPV reception with MSA. Please drop by Booth 1107 at the GSA Annual Meeting to learn more about the sponsored activities and benefits of becoming a member of the Geochemical Society.

• The 50th Anniversary Annual Meeting of The Clay Minerals Society is 6-10 October 2013 at the University of Illinois, Urbana-Champaign, Illinois, USA. The conference website: <http://www.clays.org/annual%20meeting/50th_annual_meeting_website/>.

• The Mineralogical Society of America (MSA) invites applications for the 2015 MSA Grant for Research in Crystallography and for the 2015 MSA Student Research In Mineralogy and Petrology. There are three research grant awards of $5,000 each. Students, including graduate and undergraduate students, are encouraged to apply. Application deadline is June 1, 2014. Awardees need not be MSA members; MGPV student members are invited to apply. More information and online application on the MSA website, <http://www.minsocam.org>.

• Nominations are sought for MSA awards. You need not be an MSA member to nominate someone for the 2015 Roebling, Dana, and Distinguished Public Service Medals or MSA Award. More information and nomination procedures on the MSA home page <http://www.minsocam.org/>

Remember, come year-end:
Renew your MGPV Division membership when you renew your GSA membership.
Encourage your MGPV-interested colleagues to join.
The easiest time to join or renew your membership in a Division is at renewal time!
Division Management Board

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GSA Mineralogy, Geochemistry, Petrology, and Volcanology (MGPV) Division
Ballot for 2014 Officers MGPV Division

Please vote for Division Officers by completing the section at the bottom and mailing it to GSA postmarked no later than August 31. Biographical information on the candidates is on the following page.

Balloting will be open through August 31.
Ballot link to vote through on-line system:
http://rock.geosociety.org/ballot/vote.asp?Name=mgpv

Access the online ballot by using either your GSA member number or your e-mail address that is in your GSA member records. For membership assistance, please contact GSA at: gsaservice@geosociety.org or call (888) 443-4472. You may also submit your ballot by Fax: (303) 357-1074.

Division Officers:

The officers of the MGPV Management Board change yearly after the Division Annual Business Meeting during the GSA Annual Meeting. Elections are held over 30 days annually for the position of Second Vice-Chair and biennially for the position of Secretary-Treasurer. According to the Division By-Laws, the current Division Chair (Russell S. Harmon) will advance to the office of Past Chair, the current Division First Vice-Chair (Calvin G. Barnes) will advance to the office of Chair, and the current Second Vice-Chair (Eric H. Christiansen) will advance to the office of First Vice-Chair. Below is the ballot to elect a new Second Vice-Chair. The Secretary-Treasurer (J. Alex Speer) has completed his first 2-year term.

Second Vice-Chair (one-year term):

( ) Yildirim Dilek
( ) Write-in ______________________

Division Bylaws Amendments:

The Division Management Board is requesting membership approval for two groups of changes to the current MGPV Division Bylaws. See the proposed wording and details attached. Please Vote:

(1) To clarify and clean up the language and procedures regarding the Nomination Committee (of Officer Candidates).

( ) Vote Yes to Approve Changes
( ) Vote No to Disapprove Changes
(2) To add an Early Career Award and descriptive language and other awards, recognitions, and grants. The background for the later appears in the July 2013 issue of GSA Today (Feiss, GSA Foundation Receives Large Bequest Promotes GSA Programs, p. 49).

( ) Vote Yes to Approve Changes
( ) Vote No to Disapprove Changes

Mail Ballot To: Division Office, Geological Society of America
PO Box 9140, Boulder, CO, 80301-9140

You must complete the following section to validate your ballot:

Your Name (printed) ________________________________

Your Signature (required) ________________________________

Your GSA Member Number * (required) ____________________________

* Your 7 digit GSA member number is on the top right corner on the external mailing label. If you need assistance with your member number, call: (888) 443-4472

Candidate Short Biography

Second Vice-Chair

Yildirim Dilek. Ph.D. 1989, University of California at Davis, is currently Distinguished Professor of Geology at Miami University. Dr. Dilek's varied research interests include the formation and alteration of ocean crust; the structure, petrology and geochemistry of ophiolites and greenstone belts; and, the origin and evolution of life in the Archean. He has worked extensively in the North American Cordillera as well as in Turkey, Cyprus, Albania, Greece, Norway, and Tibet-China. Among other honors, Dr. Dilek is the recipient of the GSA Distinguished Service Award, the Distinguished Career Award from the GSA International Division, and the Neil Miner award of the National Association of Geoscience Teachers. He was chief editor of the GSA Bulletin from 2003-06 and Associate editor of Geology from 2006-09. He also served as the Chair of the GSA International Division. He has supervised 20 MS and Ph.D. students and is author or coauthor of 142 peer-reviewed papers. He is excited about the rapid growth of the MGPV division and wants to see the momentum continued via pro-active recruitment of professional and student members nationally and internationally, organization of division-sponsored scientific sessions and other events at GSA meetings, and the continuation of the strong interdisciplinary focus of the Division. Homepage: http://www.units.muohio.edu/geology/people/dilek.html
GSA MINERALOGY, GEOCHEMISTRY, PETROLOGY, AND VOLCANOLOGY (MGPV)

DIVISION BYLAWS

PROPOSED BYLAW CHANGES – AUGUST 2013

BYLAWS ARTICLE IV

Management Board and Election of Officers of the Division

Section 4. Nomination of Officer Candidates.

Omit: The Nominations Committee will be appointed by this process: each member on the Management Board (including representatives from the Adhering Societies) is entitled (but not required) to identify one Division member who agrees to serve on the Nominations Committee.

[This is moved to ARTICLE V, Section 3b and expanded.]

ARTICLE V

Powers and Duties of the Management Board and Officers

1. Management Board. The property and affairs of the division shall be managed by the management board as defined in Article IV.

   At the annual business meeting, the management board shall submit a report of the preceding year's activities of the division, which shall include the reports of the chair and secretary-treasurer and reports of the various committees. This report shall be submitted before February 15 of the following year by the secretary-treasurer of the division to the executive director of the Society. The report shall be made available to the members of the division. All actions of the management board are subject to the bylaws of the Geological Society of America.

2. Chair. The chair shall preside at the annual meetings of the division and meetings of the management board. The chair shall submit a report to the management board of the activities of the division during his/her term of office and on future plans.

3. First Vice-Chair. The first vice-chair shall assume the powers and duties of the chair in the event of the absence or disability of the chair. Such absence or disability is to be determined by a majority vote of the Management Board. The first vice-chair chairs the Program Committee for the annual meeting and, as such, serves as the senior division representative on the Joint Technical Program Committee (JTPC) for the annual meeting. The first vice-chair shall supervise planning for the division technical sessions or symposia to be held at the Annual Meeting of the succeeding year. The first vice-chair will coordinate the work of any section representatives and will appoint representatives to organize technical sessions for section meetings.

4. Second Vice-Chair. The second vice-chair shall assume the chair whenever both the chair and the first vice-chair are not available. Such absence or disability is to be determined by a majority vote of the management board. The second vice-chair serves as a member of the Program Committee for the annual meeting and, as such, serves as the junior division representative on the JTPC for the annual meeting. The second vice-chair will assist the editor in preparing a newsletter.
5. **Secretary-Treasurer.** The secretary-treasurer shall act as secretary of the management board and shall keep and archive the records of the division. The secretary-treasurer shall notify the officers and the members of the committees of their election or appointment and shall arrange for issuance of notices of all division and management board meetings and of election results. He/she shall maintain liaison with Geological Society of America headquarters and shall serve, ex officio, as a member of all committees. The secretary-treasurer shall collect and disburse all funds of the Division and shall keep records of all receipts and disbursements and other financial transactions of the Division. The secretary-treasurer shall account to the Geological Society of America Council for all funds advanced by the Geological Society of America.

6. **Past Chair.** The past chair shall serve as an advisor to the chair, forms some of the corporate memory of the division, and chairs the nominating-Nominations committee.

7. **Representatives of Each Adhering Associated Society.** Each Adhering Associated Society to the Division appoints one representative to the management board who both represents those societies and acts as a liaison back to their respective society.

8. **Council Liaison to Division.** The Council Liaison to the Division is an ex-officio member of the management board. He/She shall have no voting privileges on proceedings of the management board.

**ARTICLE VI**

**Committees and Other Appointed Posts**

1. **Committees of the Division.** The standing committees of the division are the program-Program committee and the nominating-Nominations committee. Special committees may be appointed from time to time on the advice of the management board.

2. **Formation of Committees.** The chair of the division, with the concurrence of the management board, shall establish whatever committees are required to help the division function effectively. All committee members, including the committee chair, shall be appointed by the chair of the division with advice of the management board, unless required otherwise in these Bylaws. Only the chair of the committee need be a member of the Division, but all committee members must be members of either the Geological Society of America or an Adhering Associated Society. The division secretary-treasurer shall be a non-voting ex-officio member of every committee. Members of the management board are not normally appointed as committee members.

3. **Standing Committees.** The standing committees of the division are:

   a. **Program Committee.** This committee 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. The committee will proactively plan and develop contributions for oral and poster sessions, short courses, field trips, and other outlets at conferences. The program-Program committee may appoint Division representatives to organize and chair scientific sessions, short courses, field trips, and other outlets at conferences.

   b. **Nominating-Nominations Committee.** This committee nominates candidates annually for second vice-chair of the management board, and every two years for secretary-treasurer, and...
facilitates the nomination of members of the division for Geological Society of America appointments and honors (e.g., Fellow of the Society).

Each member of the Management Board (including representatives from the Adhering Societies) is entitled, but not required, to identify one Division member who agrees to serve on the Nominations Committee. Following the annual meeting, the chair of the division will solicit those names from Management Board members. In the event that less than three names are put forward, the chair of the division will appoint additional members of the Division, who are not members of the Management Board, to serve so that there are at least three committee members (excluding the chair). The nominating committee consists of three individual members of the Division, who are not members of the Management Board, appointed annually by the Chair of the Division following the annual meeting. The chair of the Nominations Committee shall be the past division chair.

4. Committee Duties and Responsibilities. The purpose, duties, procedures, and timelines of each standing committee shall be determined by the Management Board and codified in the Division Rules and Procedures Handbook. If a new committee is established, the division chair shall provide the newly established committee and the management board with a clear statement of the purpose, duties, procedures, and timelines for that committee.

The chair of each standing committee shall report the activity of the committee during the preceding year in writing to the management board 30 days before its annual meeting, or at such times as the management board may direct. These reports shall be summarized in the annual report of the management board.

All committees are advisory in character and shall report to and act under the direction of the management board. Reports, recommendations, or other actions by the committees, other than the nominating committee, shall be subject to the approval of the management board. Committees are not authorized to communicate their recommendations to others, or to take action unless directed by the management board. All actions of the committees are subject to the bylaws of the Geological Society of America.

5. Committee Tenure. Committees of the division shall be established for a one-year duration, unless otherwise specified in the Division Rules and Procedures Handbook. All committees, except for the standing committees, shall be abolished as soon as their principal objectives have been met or at the discretion of the management board. All committee appointments shall expire at the close of the next annual business meeting of the division, unless otherwise specified in the Division Rules and Procedures Handbook. Committee members may serve for up to three consecutive years.

6. Committee Vacancies. Vacancies on committees may be filled by interim appointments at any time by the committee chair, with the approval of the division chair. Vacancies of committee chairs may be filled by appointment of division chair.

7. Division Representatives. In order to facilitate effective communication and interaction between the division and other components of the Geological Society of America and (or) other related scientific societies, the chair may appoint, at his/her discretion, with advice of the management board, members in good standing of the division, to serve as representatives to these other entities. The responsibilities and the terms of these division appointees shall be defined when created and recorded in guidelines in the Division Rules and Procedures Handbook. Individuals serving in these posts shall serve at the pleasure of the division chair.

8. Other Appointed Posts. The chair may appoint at his/her discretion, with advice of the management board, members in good standing of the division, to serve as a newsletter editor, webmaster, or other such division function as deemed necessary by the chair and management board.
responsibilities of these division appointees shall be as defined in guidelines in the Division Rules and Procedures Handbook and as provided by the chair and management board. Individuals serving in these posts shall all be appointed by, and serve at the pleasure of, the division chair.


ARTICLE IX

Awards

2. The Division shall sponsor an award to a distinguished early career scientist (35 years of age or younger throughout the year in which the award is to be presented or within 5 years of receiving their highest degree or diploma) for distinguished contributions in one or more of the following fields of research: mineralogy, geochemistry, petrology, volcanology, with an emphasis on multidisciplinary, geologic field-based contributions. The name of the award shall be the MGPV Early Career Award made possible by J. B. Thompson, Jr. The awardee(s) need not be citizen(s) or resident(s) of the United States of America, and membership in the Geological Society of America is not required. The award will not be given posthumously. The award description and selection guidelines shall be as defined in the Division Rules and Procedures Handbook and as provided by the chair and management board.

3. The Division may sponsor other awards, recognitions, and grants as approved by the Management Board.