



American Geophysical Union
Volcanology, Geochemistry, and Petrology Section
Newsletter: September 2014

Dear Colleagues,

Here is the September issue of the AGU Volcanology, Geochemistry, and Petrology (VGP) Section newsletter. Please visit the [VGP website](#) for additional news and information. Comments and suggestions may be sent to Sarah Fagents (fagents@hawaii.edu).

In this issue:

- (1) Message from the President
- (2) Vote In the 2014 AGU Elections
- (3) Enthusiastic Volcanophile Volunteers Needed!
- (4) AGU Fall Meeting, 15–19 December 2014

(1) MESSAGE FROM THE PRESIDENT

- VGP donations

Let's talk about money. In case you are not aware, VGP depends entirely on donations and sponsorships for its income. Last year VGP members generously donated nearly \$7,000 to our section's fund, which helped to pay for VGP student travel awards and Outstanding Student Presentation Awards, the VGP booth at the Exploration Station, and food and wine at the VGP reception. However donations to VGP have decreased in the past few years, which means that we are currently spending more than we are earning. Clearly this isn't sustainable, and limits new or expanded activities. In order to continue to support our science (and students), we would ask you to consider kicking in a bit extra for the VGP Section Fund when you pay your 2015 dues. We are grateful for every donation, regardless of size.

- VGP election reminder

It's election time again and polls are open until 17 September (see item #2 below). Last time nearly 25% of VGP members cast their vote, which was an excellent turnout and above the average for other sections and focus groups. Let your voice be heard!

- VGP recipients of AGU honors and awards

The recipients of Union Awards for 2014 have been announced and three are affiliated with VGP:
Donald DePaolo (University of California Berkeley): Harry H. Hess Medal
Rajdeep Dasgupta (Rice University): James B. Macelwane Medal
David Shuster (University of California Berkeley): James B. Macelwane Medal
Congratulations to all!

I would also like to congratulate the six AGU Fellows elected for 2014 who are affiliated with VGP:
Jibamitra Ganguly (University of Arizona)
Michael O. Garcia (University of Hawai'i Mānoa)

James B. Gill (University of California Santa Cruz)
Mathilde Cannat (Institut de Physique du Globe de Paris)
Paul Randall Renne (University of California Berkeley)
Lawrence A. Taylor (University of Tennessee)
Thanks are due to Hans Keppler (VGP Fellows Chair) and his committee for their dedicated work.

We will recognise all VGP-affiliated Union Awardees and Fellows at the VGP reception to be held at the AGU Fall Meeting, as well as the Bowen and Kuno awardees and Daly Lecturer, the MSA Dana Medallist, and most especially the VGP recipients of student travel grants and last year's OSPA recipients. Details will be available on the Fall Meeting web site. I hope to see you there!

Catherine McCammon
AGU Section President, VGP

(2) VOTE IN THE 2014 AGU ELECTIONS

The 2014 AGU Elections are underway and members are electing leaders for the next term, which starts 1 January 2015. Elected AGU leaders will serve two years and will play an essential role in decisions on how to better serve and engage members in the advancement of AGU's mission and vision.

Take an active role in helping shape the future of AGU and our section by voting in the 2014 elections. This year, eligible voters receive a ballot for every section/focus group to which they belong, in addition to the AGU Board and student/early career ballots. The voting site has been improved, allowing you to cast as few or many votes as you'd like over 30 days, in one session or multiple sessions. Please look for your unique link from @directvote.net, then login and select the VGP ballot. It will only take a few minutes to review the candidate information and make your choice. Remember every vote counts!

VGP candidates:

President-elect:

- Richard J. Arculus
- William F. McDonough

Secretary Geochemistry:

- Cin-Ty Lee
- Anat Shahar

Secretary Volcanology and Petrology:

- Amanda B. Clarke
- Marie Edmonds

The election is open from 18 August through 17 September. Visit <http://elections.agu.org/> for more information about the election.

(3) ENTHUSIASTIC VOLCANOPHILE VOLUNTEERS NEEDED!

Once again this year, the AGU VGP Section will be putting on an exciting exhibit for the public about volcanoes at the Exploration Station on Sunday afternoon, 14 December. The Exploration Station is an open house for local San Francisco families, teachers, and kids (as well as Fall Meeting attendees and their families) to learn about the interesting discoveries in the fields of Earth and space science,

with lots of hands-on activities and fun for all ages. Because more than 500 people attend this event, we need lots of help, and have lots of different ways you can volunteer: work with the children who come to the exhibit (totally fun), help setting it up or cleaning up (still pretty fun...really!), or even get involved in the activity planning! We had a great time last year and intend to make it an even educational experience for everyone. Please contact Karen Harpp (kharpp@colgate.edu) if you would like to volunteer or need further information.

See here for more about the Exploration Station Program:
<http://fallmeeting.agu.org/2013/events/exploration-station/>
Video: <https://www.youtube.com/watch?v=GkqWpXkwS8E>



(4) AGU FALL MEETING, 15–19 DECEMBER 2014

The 2014 AGU Fall Meeting in San Francisco (15-19 December) is going to be exciting and thought-provoking for all. The topics of the VGP sessions vary from early planetary accretion processes through shale reservoir science and technology to reducing vulnerability from Latin American volcanoes. And of course, many VGPs also will be interested in sessions in other sections. All sessions and abstracts will soon be available for you to peruse on the AGU website, and the meeting should be scheduled by the end of September. As always there will be so many sessions (see listing below) that choosing between them may be difficult and seeing every presentation impossible. We look forward to seeing all of you in San Francisco in December!

Vickie Bennett and Don Baker, VGP Secretaries

VGP Sessions at the AGU Fall Meeting:

- Accelerated and Punctuated: Using Geochronology Diffusion Modelling and Numerical Models to Understand Magmatic Processes
- Accretionary and Planetary Differentiation Processes as Recorded in Early Earth and Planetary Materials
- Achieving Negative Carbon Emissions: Distributed Carbon Capture from Air and Surface Water using Geologic Materials and/or Storage Reservoirs
- Advanced Techniques for Determining Elemental Composition, Isotopic Abundance and Radioisotopic Age Using Bulk and Microanalysis
- Arcs from the Inside Out
- Between a Cold Outcrop and a Hot Place: Validation of Clumped Isotopes and other Novel Geochemical Proxies to Shallow Crustal Geothermometry
- Birth, Life and Death of Monogenetic Basaltic Eruptions
- Carbon: Storage, Migration and Outgassing within Earth and Other Planetary Bodies
- Chemical, Physical and Biological Interactions During Serpentinization of Ultramafic Rocks

- Crustal Accretion Processes at Intermediate to Fast-Spreading Ridges: New Advances from Seafloor Geology, Geophysical Experiments and Ocean Drilling
- Daly Lecture
- Dynamics of Continental and Submarine Hydrothermal Systems
- Estimating the Durations, Rates and Depths of Magmatic Processes
- Exploiting the Potential of Tephra in Paleoenvironmental Records
- Insight into Earth's Mantle and Deep Subduction Processes through Accessory Minerals and Microinclusions
- Integrating Multiple Complementary Data Streams to Better Understand Volcanic Processes
- Lava Flows: Integrating Field and Remote Sensing Observations, Laboratory Experiments and Modeling
- Magma Transport and Eruption at Basaltic Volcanoes
- Mechanisms of Magma Ascent, Emplacement and Extrusion
- Melt, Volatiles, and the Oxidation State of Iron in Planetary Mantles
- Norman L. Bowen Award
- Petrochronology
- Physical Petrology
- Physical Volcanology and Volcano Development in Aqueous and Terrestrial Environments
- Plume Ascent and Dispersion Dynamics: Complex Behavior in Volcanic Eruption Column
- Volcanic plumes: Dispersion Dynamics and Atmospheric Phenomena
- Processes, Pathways, and Properties along the Subduction Interface
- Recent Advances in Ophiolite Research: New Insights into the Formation, Evolution, and Emplacement of Ophiolites
- Reducing Vulnerability from Latin American Volcanoes Through Enhanced Monitoring Efforts
- Shale Reservoir Science & Technology
- Stow or blow? Magma Embryos, Plutons and Eruptions
- The Geochemical Diversity of the Mantle Inferred from Hotspots: Five Decades of Debate
- The Making of a Continent
- Transients in Explosive Eruptions
- Using Sediments to Understand the Evolution of the Earth
- Volatile Elements and the Oceanic Crust
- Volcanology, Geochemistry and Petrology General Contributions
- What Can Pyroclasts Tell Us?