

Dear Colleagues,

Here is the March issue of the AGU Volcanology, Geochemistry and Petrology Section newsletter. Please visit the VGP website (<http://www.agu.org/sections/VGP/>) for further news and information. Items for future newsletters may be sent to Sarah Fagents at fagents@hawaii.edu.

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(1) MESSAGE FROM THE PRESIDENT

I am humbled to stand in the shoes of my predecessors as I write these words. The VGP section is thriving, in part due to the successful leadership of its past presidents, and I would like to take this opportunity to acknowledge the wisdom, energy and inspiration of past president Steve Sparks in setting VGP's course within the new structure of AGU. VGP is among the strongest sections of AGU, not only in its membership but also in its science and its diverse range of activities. It will take work to maintain this momentum and move forward with new initiatives, but the president does not work alone. The burden is shared among the members of the new VGP Executive (<http://www.agu.org/sections/VGP/committees.shtml#exec>) and the many VGP committees (<http://www.agu.org/sections/VGP/committees.shtml>) that have already been appointed (with a few still pending). I would like to thank everyone who has volunteered to help.

The committees do not act alone, but rather must channel the ideas, opinions, needs and wants of individual members. One of the tasks in the coming months will be to sustain and further develop effective communication among VGP members. The VGP newsletter is an important cornerstone and will continue to be so, but new possibilities for different types of communication are also worthy of exploration. Roughly 23% of AGU members are students, and VGP is committed to ensuring that their voices are heard. As the student representative on the VGP Executive, Jessica Ball (jball@buffalo.edu) has been active in new initiatives, and you can read more below. Meanwhile, I am available by e-mail (catherine.mccammon@uni-bayreuth.de) for whatever is on your mind.

Catherine McCammon
VGP President

(2) OUTSTANDING STUDENT PRESENTATION AWARDS 2012

Congratulations to the following students who received an Outstanding Student Presentation Award for their presentation at the 2012 Fall Meeting. Each will receive complimentary student registration for the 2013 Fall Meeting or a \$195 credit towards registration.

Rania Eldam, University of Texas Austin
Malin Klawonn, University of Hawaii-Manoa
Maya Wildgoose, University of California-Davis
Ryan Cahalan, University of Texas-Austin
Ben Mandler, Massachusetts Institute of Technology
Birgir Oskarsson, University of Iceland
Chenguang Sun, Brown University

The titles of their presentations can be found on the VGP web site (http://www.agu.org/sections/VGP/student_awards.shtml). Thanks go to Howard Day and his committee for their hard work and a special thanks to everyone who took time at the meeting to support our students by judging their presentations.

(3) LOOKING FOR NEW MEMBERS FOR THE STUDENT AWARDS COMMITTEE

Over the past two years Howard Day has provided extremely effective leadership of the VGP Student Awards Committee. However, with Howard stepping down and turnover on the committee, we are seeking new volunteers. The committee organises the judging of presentations for the Outstanding Student Paper Awards at the Fall AGU Meeting. The judging process also provides constructive feedback for student VGP members, and is an important component in training the next generation of VGP scientists. Please contact Tyrone Rooney (rooneyt@msu.edu) if you are interested in serving on the committee, and include a short paragraph about your background.

(4) LOOKING FOR A NEW VGP WEBMASTER

Diana Roman has done an outstanding job developing and managing the new VGP web site, but it is time for her to pass the baton. This is a great way for a student or early career scientist to learn more about how VGP works, and I would encourage anyone who is keen to be involved in VGP activities and knows their way around HTML to consider applying. We are looking to transition to a new webmaster in the coming months, with everything in place at the very latest before the Fall Meeting. Please contact Catherine McCammon

(catherine.mccammon@uni-bayreuth.de) if you are interested and include a short paragraph about your background.

(5) DEADLINE EXTENDED TO 31 MARCH 2013 FOR UNION-LEVEL NOMINATIONS

The deadline for submission of nominations for Union-level Medals, Awards & Prizes, and AGU Fellows has been extended to **31 March 2013**. As a reminder, VGP has three committees charged with the task of helping and soliciting nominations for deserving candidates. Please contact the chair of the relevant committee if you have ideas about who should be nominated or for help in preparing your own nomination package.

Chair, VGP Union Awards & Medals committee: Roberta Rudnick (rudnick@umd.edu)

Chair, VGP Macelwane Medal committee: Kathy Cashman (cashman@uoregon.edu)

Chair, VGP Fellows committee: Hans Keppler (Hans.Kepler@uni-bayreuth.de)

(6) CALL FOR DALY LECTURE SUGGESTIONS

The Bowie series of lectures was inaugurated in 1989 to commemorate the 50th presentation of the William Bowie Medal, which is AGU's highest honour and was named for AGU's first president. The VGP section hosts the Daly Lecture, which is named for Reginald Daly (1871-1957; http://www.agu.org/honorsprogram/bowie_lectures/daly.shtml), and is now given at the Fall Meeting. It is a great honour to be selected as Daly Lecturer, and a list of previous awardees is given on the VGP web site (<http://www.agu.org/sections/VGP/daly.shtml>).

Traditionally the VGP President selects the person who gives the annual Daly Lecture, and this year I welcome suggestions from all members for suitable candidates. Please send your suggestions to Catherine McCammon (catherine.mccammon@uni-bayreuth.de) by e-mail and include a short paragraph explaining your recommendation. The deadline for suggestions is **1 May 2013**.

(7) CALL FOR BOWEN AWARD NOMINATIONS

The Bowen Award is given annually by the VGP (Volcanology, Geochemistry, Petrology) Section of the American Geophysical Union. Previous winners are listed at http://www.agu.org/honorsprogram/section_fg/vgp/. The award is given annually for outstanding contributions to volcanology, geochemistry or petrology. The contribution may be: (1) a single outstanding paper published in any journal; (2) a series of papers which, taken together, constitute an outstanding contribution; or (3) any other contribution that the Selection Committee considers worthy. Special consideration is given to nominees who have not previously received a medal. Please could VGP members give some thought to putting forward a candidate this year?

The nomination package is most easily handled as a single pdf file, and should include: (1) a nominating letter from a colleague; (2) a CV for the candidate; (3) a list of publications for the candidate; and (4) three letters of recommendation (no more or less) from colleagues that are neither from the candidate's current institution nor from the candidate's Ph.D. institution. The nomination file should be submitted electronically to the Chair of the Committee, who this year is Colin Wilson (Victoria University of Wellington, New Zealand): colin.wilson@vuw.ac.nz . The deadline is **1 May 2013**.

(8) CALL FOR KUNO AWARD NOMINATIONS

The Hisashi Kuno Award is given by the VGP Section for outstanding contributions to the fields of volcanology, geochemistry or petrology, and recognizes the achievements of early career scientists. Previous winners and nomination instructions are listed at <http://www.agu.org/sections/VGP/kuno.shtml>. Through a co-operation with the Geochemistry, Mineralogy, Petrology and Volcanology (GMPV) division of EGU, Kuno awardees have the opportunity to give a Kuno Award Lecture at the EGU Meeting in the year following the AGU Fall Meeting, and so far Katie Kelley (2012) and Rajdeep Dasgupta (2013) have given (or will give) Kuno Lectures.

The nomination file should be submitted electronically to the committee chair, Cin-Ty Lee (ctlee@rice.edu). The deadline is **1 May 2013**.

(9) VGP STUDENT REPRESENTATIVE REPORT

• Student representative meeting

During the Student Representative meeting at the AGU Fall Meeting 2012, the Global Environmental Change focus group (http://www.agu.org/focus_group/GEC/index.html) announced that they will be initiating a pilot program of Student Webinars, intended to encourage students to meet and discuss their research year-round. These may include virtual poster sessions as well as research talks, and will likely feature keynote presentations from senior scientists. We're all looking forward to seeing how their first webinars work out – more news on this as it becomes available!

There was also a lot of discussion about student mentoring programs and workshops through AGU at meetings and throughout the year. Mentoring programs would most likely be conducted via specific sections, so if you're interested, please let me (jlball@buffalo.edu) and the VGP Education and Outreach Committee Chair (Karen Harpp, kharpp@colgate.edu) know what you want to see. In the past, we've discussed the possibility of having students shadow more experienced scientists at meetings (to help make career connections, discuss research, etc.). In addition, AGU hosts a number of lunches, workshops and mixers at Fall Meeting, including the Student Breakfast, Student Mixer, Career Guidance Workshop, and Congressional Fellow/Mass Media Fellow Lunch. The student representatives have suggested even more ideas for additional networking and mentoring opportunities, including mentoring panels and dinner groups. Keep an

eye out to see what's in store for this year's meeting!

- **Student web page and career center**

AGU is working to include more resources for students on their webpage and more opportunities for students at meetings and throughout the year. This includes updating the student area of the main AGU site (<http://membership.agu.org/students/>), continuing to provide career support and advice through the Career Center (<http://sites.agu.org/careers/>)

- **Student representatives and student/early career scientists on Council**

AGU has been making efforts to get students and early career scientists involved in governance and decision-making. There are currently three student members (Allen Pope, allen.pope@post.harvard.edu; Jenny M Riker, jenny.riker@bristol.ac.uk; and Ashton Robinson Cook, ashton.robinson@noaa.gov), and three early-career members (Melanie Harrison, melanie.harrison@noaa.gov; Kelly Klima, kelly.klima@gmail.com; and Christy Till, cbtill@usgs.gov) on the AGU Council. They are there to represent your interests when it comes to how AGU operates, so make sure you let them know your concerns and how they can help you! Also, AGU is hoping to get more student volunteers involved in ongoing projects, so pay attention to those emails asking for help.

Jessica Ball
VGP Student Representative
jlball@buffalo.edu

(10) SESSION PROPOSAL DEADLINE IS APRIL 19 FOR AGU FALL MEETING 2013

It's time to submit proposals for VGP sessions at the Fall 2013 Meeting, which is being held 9–13 December in San Francisco. Themed sessions bring together specialists from diverse areas of VGP, promote interdisciplinary research, and facilitate the debate of controversial topics. Successful session proposals are engaging and inclusive. (Savvy proposers know: narrowly defined sessions may not attract enough abstracts to merit an oral slot!)

Topics of intense recent interest, many of which incorporate observational, analytic, modeling or experimental components, include:

- Early Earth
- Deep carbon
- High-pressure and ultra-high pressure processes
- Mantle dynamics
- Magma generation
- Hot spot volcanism
- Magma rheology
- Intrusive-extrusive connection
- Volatiles in magmas (degassing, degassing-driven crystallization, post-eruption modification)
- Petrologic insights to volcanic processes

- Arc volcanism
- Submarine and subglacial volcanism
- Eruption processes (caldera formation, cyclic behavior, Vulcanian style, etc.)
- Geothermal systems
- Fluid-rock interaction

Alternatively, sessions focus on technological innovations that lead discovery in the fields such as:

- Geochronology and tephrochronology
- Compositional or textural microanalysis
- Isotope mass spectrometry
- Volcano monitoring
- Geologic mapping

Sessions that link VGP to other sections or focus groups, e.g. biogeochemistry, cosmochemistry, deep interior processes, mineral physics, etc., are also welcome. Early career scientists are encouraged to broaden their professional networks and propose sessions in partnership with established leaders.

This year VGP will again be co-operating with the Mineralogical Society of America (MSA) and the Geochemistry, Mineralogy, Petrology & Volcanology (GMPV) Division of the European Geosciences Union (EGU) at the Fall Meeting. Members of either EGU or MSA can propose sessions as co-convenors with VGP (or other AGU) members, and the sessions will be listed in the program as being jointly sponsored.

The session proposal deadline is **19 April 2013**, and the AGU membership fee for 2013 must be paid by 8 April in order to be recognized as a member in the session proposal submission system. Information about how to submit a session proposal can be found on the AGU website:

<http://fallmeeting.agu.org/2013/>

Questions or ideas?

Contact VGP Secretaries Julia Hammer (jhammer@hawaii.edu) or Vickie Bennett (Vickie.Bennett@anu.edu.au)

(11) CYBERINFRASTRUCTURE WORKSHOP

If you generate data, use data gathered by others, visualize data, seek research funding from NSF or other governmental agencies, or are concerned with geoscience data management and dissemination, you are a stakeholder in the EarthCube initiative. See <http://earthcube.ning.com/> for more information about how EarthCube will impact the science you do, and to learn how you can influence the cyberinfrastructure development process through participation in surveys and workshops.

An EarthCube Domain End-User Workshop for the petrology and geochemistry community will be held March 6-7 at the Smithsonian Institution, Washington, D.C. The intent of the workshop is to bring together research scientists, data managers, sample curators, and information

technology specialists to provide guidance to the NSF EarthCube initiative so as to maximize the utility of cyberinfrastructure being developed.

Workshop organizers Kerstin Lehnert (LDEO), Elizabeth Cottrell (Smithsonian Institution), Rajdeep Dasgupta (Rice University), Chuck Connor (Univ. South Florida), and Abani Patra (SUNY Buffalo) are seeking input from the VGP community. Transmit any comments or suggestions in advance of the workshop to the organizers or Julia Hammer (jhammer@hawaii.edu), who will be attending the workshop as a VGP representative. You can also follow along with the workshop using virtual participation tools, to be posted at: <http://www.earthchem.org/workshops/earthcubePG2013>.

(12) EGU 2013 AND KUNO AWARD LECTURE

VGP will again co-operate with the Geochemistry, Mineralogy, Petrology and Volcanology (GMPV) Division in the upcoming European Geosciences Union (EGU) General Assembly that will be held in Vienna during 7–12 April 2013. Thanks are due to the GMPV Division President, Nick Arndt (Nicholas.Arndt@ujf-grenoble.fr), for working with VGP to make this happen. Two sessions are being co-sponsored by VGP:

GMPV1/GD2.1 Origin, evolution of Earth's crust and the formation of a habitable planet

Convener: Bruno Dhuime; Co-Conveners: Elizabeth Swanner, Pierre Bouilhol, Guillaume Richard

GMPV29 How do magma chambers work? Recent advances in the petrology of plutons and volcanoes

Convener: Rais Latypov; Co-Conveners: Christian Tegner, Marian Holness, Tom Andersen

Finally, the Kuno Award Lecture will be presented by Rajdeep Dasgupta in the session:

GMPV14/GD6.2/SM6.7 Materials, evolution and dynamics of the mantle

Conveners: Fabrizio Nestola, Reidar G Trønnes, Fabrice Gaillard, Saswata Hier-Majumder, Dirk Spengler, Gareth Davies, Andreas Stracke, Julie Prytulak, Jason Harvey

This last session will also take part in a new initiative, PICO (Presenting Interactive COntent), which aims to combine the advantages of both oral and poster together into an innovative type of presentation. The scientific program will be available soon on the conference web site (<http://www.egu2013.eu>). AGU members can register at member rates. Early registration ends on **13 March 2013**.

(13) MEETING OF THE AMERICAS, 14–17 MAY 2013, CANCUN, MEXICO

The 2013 Meeting of the Americas is again on the horizon, and this time it will be held in Mexico. The abstract deadline is now past and organizers are working on putting together the scientific program. The VGP representative on the program committee, Gerardo Carrasco

(gerardoc@dragon.geociencias.unam.mx), is to be commended for his excellent job in putting together a number of interesting VGP sessions. Further details on the scientific program will be available in due course on the meeting web site (<http://moa.agu.org/2013/>). Registration is now open and the deadline for obtaining a discount is **10 April 2013**.