

February 2009

VGP Section Newsletter #35

Dear Colleagues,

Here is the first Volcanology, Geochemistry and Petrology Section newsletter of 2009. Newsletter archives and much more can be found at the VGP website (<http://vgp.agu.org/>). Please submit any feedback to [Sarah Fagents](mailto:fagents@hawaii.edu) at fagents@hawaii.edu.

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(1) MESSAGE FROM THE VGP PRESIDENT

There are two very big issues to be aware of at this time of year namely Spring AGU and Union Medals. I will return to these in a minute. First, however, we should celebrate the brilliant achievements of the many new VGP and VGP-related AGU Fellows.

Jolly good Fellows

This year's new AGU Fellows list is populated with several VGP nominees or joint nominees. Here are the successful names that were on the list sent for consideration by the VGP committee, headed by *Catherine McCammon* (primary section in parenthesis):

- Jay D. Bass** (MRP),
- W. Roger Buck** (T),
- Ian C. Campbell** (VGP),
- Katharine V. Cashman** (VGP),
- Donald Dingwell** (VGP),
- Steven L. Goldstein** (VGP),
- Kei Hirose** (MRP),
- Kip V. Hodges** (T),
- Jeffrey McDonnell** (H),

John W. Morse (OS), P.
Jonathan Patchett (VGP),
Frederick J. (Rick) Ryerson (VGP),
Roland Von Huene (T),
Richard J. Walker (VGP),
Richard H. Wanninkhof (OS).

This is a very distinguished and large group of scientists. We should take a moment to raise a glass to them and their achievements. You can also do this in person at the Spring AGU (see below).

A great 2008 Fall AGU

Second, we should look back briefly at what was a really outstanding Fall AGU Meeting. I am extremely grateful to *Janne Blichert-Toft* and *Paul Wallace* for putting together an excellent VGP program. The science was great. *Rick Carlson* gave a memorable **Bowen Award Lecture** to a very large audience. The VGP reception also went well. Janne and Paul had worked with *Brenda Weaver* to arrange a much improved, in fact perfect space for the awards and it all went very smoothly with a great atmosphere. We started with the awards themselves and this seemed to work out well. *Nobu Shimizu* gave an illuminating overview of the life and work of his former graduate advisor *Hisashi Kuno* before the first **Kuno Award** was presented to *Cin-Ty Lee*, and *Rick Carlson* received the **Bowen Award**. Thanks to everybody who came along to honor their colleagues and their scientific achievements.

The 2009 Joint Assembly in

Don Baker is organising the program for the **2009 Joint Assembly in (24-29 May)**. The meeting looks great (<http://www.agu.org/meetings/ja09/>). Please think seriously about attending. The **abstract deadline is 4th March**. The VGP sessions (see below) are strong and promise exciting science and interactions with Canadian colleagues whose interests overlap with VGP members. This may be your chance to form new collaborations with geoscientists who are actively exploring 's North and still making amazing discoveries (e.g., the world's oldest rocks). Additionally, the Canadian societies are sponsoring field trips that may be of interest to many members.

Mark Harrison (UCLA) will be presenting this year's **Daly Lecture** and the new **Fellows** (see below) will also be honored in .

is a great city with excellent museums, vibrant nightlife and a beautiful lake front. Please think about taking advantage of the opportunities this meeting will create as we combine forces with other North American geoscience societies.

2009 Union Medals – deadlines fast approaching

Finally, please note that the most important upcoming deadlines for awards are the **Union Medals** for which nominations must be received by **March 15th**. Details of how to nominate can be found at <http://www.agu.org/inside/awardnom.html>. These AGU-wide honors are the **William Bowie Medal, James B. Macelwane Medal, Maurice Ewing Medal, John Adam Fleming Medal, Harry H. Hess Medal, Robert E. Horton Medal, Roger Revelle Medal and Inge Lehmann Medal**. VGP has not been as proactive as one might like in nominating

colleagues for these awards so please take the time to think about the top people in your field and get them nominated. *Charlie Langmuir* (langmuir@eps.harvard.edu) is in charge of the Union Medals and Awards Committee so please contact him if you have suggestions. The only Union Medal that is treated separately is the **Macelwane Award** for which you should contact *John Eiler* (eiler@gps.caltech.edu). Please note that the nominations need to go to AGU. The committees run by Charlie and John are just there to help and solicit nominations.

Please contribute to VGP

Finally, please remember VGP when you are thinking about earmarking money for AGU as you renew your subscriptions. It is easy to do and it means that you can directly help with the costs of improvements in what VGP does for you. It should even improve the volume of beverages available at our Fall reception.

Hope to see you in .

Best wishes,

--Alex Halliday, VGP President

(2) CALL FOR 2009 KUNO AWARD NOMINATIONS

Nominations for this year's **Hisashi Kuno award** are sought by May 1. This a new Award given by the VGP Section for outstanding contributions to the fields of Volcanology, Geochemistry or Petrology, based on the quality of publications arising from work performed up to seven years past the receipt of the Ph.D. Awardees must be members of AGU at the time of nomination and within seven years of the award of the Ph.D. on Jan 1st of the year of the Award.

The nomination package should include (i) a nomination letter from a colleague, (ii) candidate's CV, (iii) candidate's list of publications, and (iv) up to three supporting letters. These documents should be submitted electronically to *Jon Davidson*, chair of the Kuno Award Committee at j.p.davidson@durham.ac.uk. See also http://vgp.agu.org/kuno_award.html.

The recipient of the first Kuno Award was *Cin-Ty Lee* in 2008.

(3) OUTSTANDING STUDENT PRESENTATIONS AT THE 2008 FALL AGU MEETING

Congratulations to the following VGP student members for their outstanding presentations at the Fall AGU Meeting:

Nicholas Pester, , "Phase equilibria controls on fluid chemistry at the Lucky Strike hydrothermal field, Mid-Atlantic Ridge".

Catherine Macris, UCLA, "Inter-mineral iron isotope fractionation in xenoliths".

Leif Karlstrom, UC Berkeley, "The stability and spacing of crustal magma chambers".

Monica de Mier, , "Numerical simulation of two-fluid mingling using the particle finite element method with applications to magmatic and volcanic processes".

Emma Humphreys, , "Mantle xenoliths from the Calatrava Volcanic Province, Spain – evidence for carbonatite-silicate interaction in the upper mantle".

Shellie Rose, of , "The eruptive behavior of Klyuchevskoy Volcano, ".

Arron Steiner, UC Fullerton, "Mafic inputs to the Augustine magma system over the

past 2,200 years”.

Joop Varekamp, Chair, VGP Education Committee

(4) UPCOMING PAGES MEETINGS

The Past Global Changes Project would like to announce the following two meetings:

PAGES 1st Young Scientists Meeting

"Retrospective views on our planet's future"

6-7 July 2009

Website: <http://www.pages-osm.org/>

Contact: ysm@pages.unibe.ch

PAGES 3rd Open Science Meeting

"Retrospective views on our planet's future"

8-11 July 2009

Website: <http://www.pages-osm.org/>

Contact: osm@pages.unibe.ch

(5) VGP SESSIONS AT THE JOINT ASSEMBLY, 24-27 MAY, 2009

The following sessions will be of interest to VGP members. The abstract deadline is 4 March, 2009. Full details of the sessions can be found at

http://www.agu.org/meetings/ja09/program/scientific_session_search.php

- V01: Volcanology, Geochemistry, and Petrology General Contributions
- V02: Advances in Kimberlite Geology and Volcanology
- V03: Complex Processes of Metal Enrichment in Ore-forming Systems
- V04: The Role of UHP-HP Metamorphism in the Evolution of Collisional Orogenic Belts
- V05: Genesis and Volcano Instability
- V06: When Worlds Collide: From Magma Rheology to Rock Mechanics
- V07: Intraplate Volcanic Fields: From Source to Eruption and Techniques for Identifying Patterns of Behavior
- V08: Advances in 3D Imaging and Analysis of Rocks and Other Earth Materials
- V09: Integration of Multiple Geo- and Thermochronometers in Geological Studies
- V10: Cyberinfrastructure for Volcanology Research and Hazard Mitigation
- V11: Earth's Carbon Cycles: Sources, Sinks, Pathways, and Fluxes
- V12: Innovative Applications of Stable Isotopes to Hydrothermal and High Temperature Processes
- V13: Physical Properties of Magma Chambers: Inferences from Field Mapping,

Geochemistry, Numerical Modeling, and Geophysics

V14: Recent Advances in In Situ Trace Element and Isotopic Microanalysis of Accessory Minerals

V15: Pyroclastic Currents: From Field Observations and Experiments to Modeling and Probabilistic Hazard Maps

V16: Migmatites -- Processes and Products in the Generation of Granite

V17: Experiments, Observations, and Models of Planetary Magmatic Evolution

V18: Basaltic and Kimberlitic Volcanism: Comparisons, Contrasts and Controversies

VGP is also a co-sponsor of the following sessions:

CG16: Land-Ocean-Atmospheric Processes Associated with Natural and Man-Made Hazards

G05: High-Rate and Low-Latency Data for Earth Science Applications

GA05: Terrestrial Impact Structures: Cratering Processes, Mineral Resource Deposits and Environmental Consequences

GA06: Secular Variations in Magmatism and Tectonic Implications

GA08: Frontiers in Precambrian Geodynamics

GA10: Variations in Litho-Structural and Tectonic Styles Along the Grenville Orogen

GA12: Advances in the Measurement of Time: Beyond the Krogh Revolution

GP02: Evaluation of Paleointensity Records, Geomagnetic Secular Variations, Excursions and Reversals

GP07: Paleomagnetism from The

MA05: Tourmaline: An Ideal Indicator of Its Host Environment

MA06: Applied Mineralogy and Applications in Mineral Processing

MA07: Structure and Properties of Glasses and Melts: Geological and Environmental Implications

MA08: Mantle Conditions, Diamond Genesis, and the Kimberlite Sample

MA10: Defect Centers in Minerals – From Mineralogy to Geophysics

MA11: Neutron Scattering for the Geosciences

MA12: Carbonate-hosted Ore Deposits

NG02: Geocomplexity

NG03: Development and Predictability of Extreme Events in Complex Systems

T02: Lithospheric Foundering from Top to Bottom

T03: The Seismic Structure and Dynamics of Subduction Zones

T04: Surface Geological and Tectonic Constraints on Time-dependent Mantle Convection

