

February 2006 VGP Section Newsletter #23

Dear Colleagues,

Here is the first VGP Section Newsletter of the new year. Archives are found at <http://vgp.agu.org>. Feedback is welcome at fagents@hawaii.edu. In this issue:

- * Message from the President
- * New AGU Fellows
- * 2005 AGU Fall Meeting Outstanding Student Presentations
- * 2006 Joint Assembly, Baltimore, MD, 23-25 May
 - Abstract submission information
 - Sessions of interest
 - Daly Lecture, Roberta Rudnick
 - Dana Lecture and symposium

IMPORTANT DEADLINES:

- *March 1* abstract deadline for the 23-26 May 2006 Joint Assembly in Baltimore, Maryland, USA (<http://www.agu.org/meetings/ja06/>).
- *March 16* abstract deadline for the 24-27 July Western Pacific Geophysics meeting in Beijing, China (<http://www.agu.org/meetings/wp06/>).
- *May 1* for nominations for the 2006 Bowen Award (<http://vgp.agu.org>).

(1) MESSAGE FROM THE PRESIDENT

New AGU Fellows for 2006 have been announced. In item (2) of this Newsletter we list those who have a primary or secondary affiliation with VGP. Alex Halliday (chair) and members of the VGP Fellows Committee (<http://vgp.agu.org>) have done a superb job of soliciting nominations and sending a strong slate forward to the AGU Fellows Committee.

Congratulations, Fellows!

The Fall Meeting set a new attendance record. As usual, VGP had a major presence in San Francisco. Student presentations assigned to VGP totaled 286. Vincent Salters assembled a large team of volunteers to judge talks and posters in order to make Outstanding Student Presentation Awards announced in item (3) below. I want to personally thank Vincent and the judges for contributing their time and expertise to this important effort.

One of the benefits of being VGP President is the opportunity to select the person who will give the annual Daly Lecture. Named for Reginald Daly (1871-1957; <http://www.agu.org/inside/awards/daly.html>), the lecture is VGP's member of the AGU Bowie lecture series and is traditionally given at the spring meeting. The 2006 Daly Lecture, "Geochemical insights into continental dynamics", will be presented at the 23-26 May Joint Assembly by *Professor Roberta Rudnick* of the University of Maryland. A list of past Daly lecturers can be found at <http://vgp.agu.org>. The 2006 Joint Assembly should be of interest to many VGP members. The program and special events are described in item (4) below by Joe Pyle, VGP Program Chair. Don't miss the reception planned to be jointly sponsored by VGP Section, MRP Focus Group, Mineralogical Society of

America, Geochemical Society, and Microbeam Analytical Society. A 2005 Bowen Award will be presented to Bob Bodnar at the reception.

—*Charles R. Bacon, VGP President*

(2) NEW AGU FELLOWS

The number of new AGU Fellows elected in any year is limited to 0.1% of the total membership. From the nominations submitted to the VGP Fellows Committee by AGU for consideration as either VGP or joint with VGP for 2006, eight were approved by the Union Fellows Committee. Congratulations from the VGP Executive Committee to the following new Fellows of AGU (primary affiliation in parentheses) who were elected on the 14th of January 2006:

Robert J. Bodnar (VGP), Virginia Polytechnic Institute and State University, Blacksburg
Michael F. Hochella Jr. (VGP), Virginia Polytechnic Institute and State University, Blacksburg
Richard M. Iverson (H), U.S. Geological Survey, Cascades Volcano Observatory
Catherine A. McCammon (MRP), Universität Bayreuth
Harry Y. McSween Jr. (P), University of Tennessee, Knoxville
Eiji Ohtani (MRP), Tohoku University, Sendai
Roger E. Summons (B), Massachusetts Institute of Technology, Cambridge
Colin J. N. Wilson (VGP), University of Auckland

See <http://www.agu.org/inside/fellows06.html> for a complete list of new Fellows.

(3) 2005 AGU FALL MEETING OUTSTANDING STUDENT PRESENTATIONS

At the 2005 Fall meeting 286 of the 919 presentations within VGP were given by students. Of those 286 presentations six have been chosen for Outstanding Student Presentation Awards. The award consists out of a certificate from AGU as well as one hundred dollars credit towards future AGU expenditures. The Fall 2005 awardees are:

Tanya Lubetskaya, Yale University, for "Composition of Earth's Mantle and its Variance",
Coauthor: Korenaga, J
Matt Jackson, MIT-Woods Hole Oceanographic Institution Joint Program, for "Implications of new High $^3\text{He}/^4\text{He}$ Values from the Samoan Hotspot", Coauthors: Kurz, M D, Hart, S R, Workman, R
Jeremy Boyce, Massachusetts Institute of Technology, for "A Comparison of Excimer Laser Microprobe (U-Th)/He and Conventional Laser-Heating (U-Th)/He Thermochronometry",
Coauthors: Hodges, K V, Olszewski, W J, Jercinovic, M J, Carpenter, B, Reiners, P W
Dana Vukajlovich, Scripps Institution of Oceanography, for " Helium and Carbon Isotope and Relative Abundance Relationships in Lau Basin Basalts: Resolving Mantle Source Composition from Degassing and Contamination Effects", Coauthors: Hilton, D R, Castillo, P R, Hawkins, J W
Ma. Edweena Joan Alincastré Cabato, Mineralogisches Institut, Ruprecht-Karls-Universität Heidelberg, for "Light Elements in Plagioclase Phenocrysts of the Nea Kameni Dacites: What do they say about processes during and after crystallization, and just how fast crystallization can take place", Coauthors: Altherr, R, Ludwig, T
Chloe Michaut, Institute de Physique du Globe, Paris, for "A new Model for Crystallization and Differentiation in Magma Chambers", Coauthor: Jaupart, C.

---Vincent Salters, VGP Education/Outreach Chair

(4) 2006 JOINT ASSEMBLY

The 2006 Joint Assembly, to be held in Baltimore, MD, 23-26 May, arises from the combined efforts of the AGU membership as well as the Society for Exploration Geophysics, Geochemical Society, Microbeam Analytical Society, and the Mineralogical Society of America. The breadth of interests displayed by the VGP special sessions reflects the multi-disciplinary nature of the meeting, and as VGP program chair, I am encouraging you to submit an abstract to one of the VGP special sessions running at the 2006 JA; session titles and conveners are given below.

ABSTRACT SUBMISSIONS

The online abstract submission tool at <http://www.agu.org/meetings/ja06/> is now available. DEADLINE for electronic abstract submission is 1 March 2006, 2359 UT there are no exceptions to this deadline. The session search tool is now available at <http://www.agu.org/meetings/ja06/?content=program>. Descriptions of all special sessions are listed at this site

SESSIONS OF INTEREST

V01: General Contributions, Volcanology, Geochemistry, and Petrology

V02: Origin, Behavior, And The Role of Magmatic Sulfur in Terrestrial Planets: Theoretical, Experimental and Observational Constraints (John Mavrogenes, ANU; Bruno Scaillet, CNRS-ISTO)

V03: Thermal State Of The Mantle: Hotspots, Plumes, And Mantle Dynamics (Keith Putirka, CSU Fresno; Peter Van Keken, Michigan)

V04: Evolution of the Early Earth (Nancy Chabot, Johns Hopkins; Elizabeth Cottrell, GL-CIW)

V05: Tracing deep-Earth Processes With Light Elements: Insights Into the Evolution of the Crust, the Mantle and Magmas >From B, Li and Be Isotope and Abundance Systematics (Roberta Rudnick, Maryland; Jeffrey Ryan, South Florida)

V06: Environmental Mineralogy (Peter Heaney, Penn State; Jeffrey Post; NMNH-SI)

V07: Crustal Melts at Low Temperatures (David London, Oklahoma; Mona-Liza Sirbescu, Central Michigan)

V08: Sulfur in the Earth System: Insights Into Evolution of Surface Environments and Secrets of the Deep Earth (David Johnston and Sarah Penniston-Dorland, Maryland)

V09: Biosignatures: Distinguishing Biology from Abiological Look-Alikes (Albert Coleman, Maryland; Penny Morrill and Shuhei Ono, GL-CIW)

V10: Frontiers of Hydrothermal Geochemistry: Organic Inorganic Interactions From Deep Crust to Volcanic Systems (George Cody; GL-CIW; Anurag Sharma, RPI)

V11: Earth's Carbon Cycle: Sources, Recycling Pathways, and Geochemical Evolution (Jennifer Eigenbrode and Marilyn Fogel, GL-CIW; Alison Shaw, WHOI; Steven Shirey, DTM-CIW)

The following Union Sessions and Union Lectures may also be of interest to the VGP membership:

U02: Thermodynamic Variables in Magmatic and Metamorphic Processes in the Terrestrial Planets: Theoretical, Experimental, and Observational Constraints (Keith Putirka, CSU Fresno; James Luhr, NMNH-SI; Richard White, Melbourne; Douglas Tinkham, Laurentian, conveners)

U07: Evolution of the Andes -- Geodynamics, Magmatism, Landscapes and Climate along the Andean Cordillera (Jon Davidson, University of Durham; Adrian Hartley, University of Aberdeen, conveners)

U08: Fluids in the Earth (Phil Piccoli, University of Maryland; Adam Simon, UNLV, conveners)

The session will start with an overview of fluids in the Earth by the 2005 N. L. Bowen Award recipient, Bob Bodnar (Virginia Tech).

U11: Microanalysis: Small Beams, Big Science (Heather Lowers, USGS; Jennifer Jackson, GL-CIW; Mike Jercinovic, UMass; John Hanchar, Memorial, conveners). This session is co-convened by VGP, MSA, MB, and MR. Contributions will participate in a poster session that will complement an oral session composed of seven invited papers.

DALY LECTURE

This year's Daly Lecture will be presented by *Roberta Rudnick*, University of Maryland, and is titled "Geochemical insights into continental dynamics".

DANA LECTURE AND SYMPOSIUM

Mineralogical Society of America Dana Lecture and Dana Symposium (MO4) (Alex Navrotsky, UC Davis, and Lumin Wang, University of Michigan, conveners):

To celebrate the award of the MSA Dana medal to *Professor Rodney C. Ewing* (University of Michigan), the conveners plan a broadly based session on topics relevant to his interdisciplinary research that extends beyond traditional mineralogy to physics, materials science and nuclear engineering. The symposium is paired with the Dana Lecture (one of several Union Lectures to be held at the 2006 JA) by Professor Ewing, which is entitled "Plutonium, Mineralogy & Radiation Effects". I hope your efforts will join those of the special session conveners in making the VGP sessions diverse, well-attended, and full of intellectual exchange and lively (but good spirited!) debate. I look forward to seeing you in Baltimore at the 2006 JA.

---*Joe Pyle, VGP Program Chair, 2006 Joint Assembly*