

*August 2002*

**VGP Section Newsletter #9**

Dear VGP Members,

Here is an information-packed summer issue of the VGP electronic newsletter. We are currently transitioning to our new executive committee, so this is a good opportunity to find out who represents you on the various committees. Feel free to contact them on related matters.

Please forward any comments and items for future newsletters to [fagents@higp.hawaii.edu](mailto:fagents@higp.hawaii.edu).

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**(1) MESSAGE FROM INCOMING VGP PRESIDENT, KATHY CASHMAN**

In this issue you will find a list of the new VGP executive committee (for the term of 2002-2004) together with notes from many of the committee chairs. Of primary importance are the October deadlines for AGU and VGP medals and awards. Below you will find calls for nomination for Fellows, the Macelwane medal, and the Bowen award. I would also like to remind VGP members that there are many AGU Union medals for which VGP members may be eligible:

- *William Bowie Medal* – for outstanding contributions to fundamental geophysics and for unselfish cooperation in research
- *Walter H. Bucher Medal* – for original contributions to the basic knowledge of the Earth's crust (presented not more often than every other year in even-numbered years)
- *Harry H. Hess Medal* – for outstanding achievements in research in the constitution and evolution of Earth and its sister planets.
- *James B. Macelwane Medal* – for significant contributions to the geophysical sciences by an outstanding young scientist (<36 years old).

In addition, some VGP members may be appropriate for the Ewing (ocean sciences) or Revelle (atmospheric and climate sciences) medals. See <http://agu.org/inside/awardnom.html> for nominating procedures. The deadline for receipt is 15 October.

**(2) WHO'S WHO IN VGP 2002-2004**

**President:** *Kathy Cashman*, U. Oregon, [cashman@oregon.uoregon.edu](mailto:cashman@oregon.uoregon.edu)

**President elect:** *Charlie Bacon*, USGS, [cbacon@usgs.gov](mailto:cbacon@usgs.gov)

**Secretary (Fall meeting chair):** *Marc Hirschmann*, U. Minn., [hircs022@tc.umn.edu](mailto:hircs022@tc.umn.edu)

**Spring meeting:** *Mike Brown*, U. Maryland, [mbrown@geol.umd.edu](mailto:mbrown@geol.umd.edu)

**Bowen Award Committee:** *Becky Lange* (chair), U. Mich., [becky@umich.edu](mailto:becky@umich.edu)

**Education/Outreach Committee:** *Vincent Salters* (chair), Florida State, [salters@magnet.fsu.edu](mailto:salters@magnet.fsu.edu)

**Macelwane Award Committee:** *Mike Garcia* (chair), U. Hawaii, [garcia@soest.hawaii.edu](mailto:garcia@soest.hawaii.edu)

**Publications Committee:** *Hubert Staudigel* (chair), Scripps Inst. Oceanography;  
hstaudigel@ucsd.edu

**VGP Fellows Committee:** *Nobu Shimizu* (chair), WHOI, nshimizu@whoi.edu

We also have as continuing members of the VGP Executive Committee *Fred Frey* (past president), *Chris Nye* (webmaster), *Paul Renne* (Eos) and *Sarah Fagents*, who has agreed to continue the important job of sending out the VGP newsletter.

### **(3) NOTES FROM YOUR FALL '02 AGU PROGRAM CHAIR**

#### **A. Important Dates and Deadlines**

\*July 25, 2002: Abstract submission forms are expected to become active on the AGU web site. See <http://agu.org/meetings/fm02top.html>. The complete listing of special sessions will also be available at the same location. These will also be published in the July 30, 2002 issue of EOS.

\*August 29, 2002: Deadline for receipt of abstracts submitted via mail.

\*September 5, 2002 1400 UT: Deadline for submission of on-line abstracts. USA RESIDENTS: NOTE THAT THIS IS 10 AM EDT and 7 AM PDT!

#### **B. Expect a poster!**

In 2002, AGU will have only 19 rooms available for oral presentations at the Moscone Center, rather than the 23 it has had in previous years. This change is owing to competing demands for space in the Moscone Center, and is temporary, as more space will be available when the Moscone West annex opens prior to the 2003 meeting. Also, the 2002 meeting is expected to attract an unusually large number of Ocean Sciences contributions, as there is no Ocean Sciences meeting this winter. The net result will be that the ratio of poster presentations to oral talks should be at an all-time high in 2002. The poster sessions are always well-attended, and this year they will be a major focus of the meeting.

#### **C. VGP Pre-arranged and Special Sessions:**

*V00 General Volcanology, Geochemistry, and Petrology Contributions.*

Choose this "session" if you do not wish to submit to one of the special sessions listed below. Contact: Marc Hirschmann [marc.m.hirschmann-1@umn.edu](mailto:marc.m.hirschmann-1@umn.edu).

*V01 The 2002 Edition of the Evolution of the Igneous Rocks.*

A session examining the present and future of igneous petrology, 75 years after Bowen's famed lectures. See <http://www.uidaho.edu/~dgeist/bowen>. Contact: Dennis Geist [dgeist@uidaho.edu](mailto:dgeist@uidaho.edu), Mark Ghiorso [ghiorso@u.washington.edu](mailto:ghiorso@u.washington.edu).

*V02 Melt Inclusions: What Do They Tell Us?*

Contact: Adam Kent [ajrk@dlc.ku.dk](mailto:ajrk@dlc.ku.dk), Paul Wallace [pwallace@darkwing.uoregon.edu](mailto:pwallace@darkwing.uoregon.edu), Nobu Shimizu [nshimizu@cliff.whoi.edu](mailto:nshimizu@cliff.whoi.edu), Charles Mandeville, [cmandy@amnh.org](mailto:cmandy@amnh.org). of Long-Lived Silicic Eruptions. A session focused on explosive eruptions and silicic domes in subduction-related volcanoes. Contact: Barry Cameron [bcameron@uwm.edu](mailto:bcameron@uwm.edu), William

Rose raman@mtu.edu, Andrew Harris harris@higp.hawaii.edu.

*V04 Linking Chemistry and Microbiology in Seafloor Hydrothermal Systems.*

Contact: David Butterfield butterfield@pmel.noaa.gov, Jun-ichiro Ishibashi ishi@geo.kyushu-u.ac.jp, Akihiko Maruyama maruyama-aki@aist.go.jp.

*V05 Applications of Synchrotron Radiation in Low-Temperature Geochemistry and Environmental Science.*

A session linked to the pre-meeting MSA/GC shortcourse. See <http://cars9.uchicago.edu/shortcourse2002/> Contact: Paul Fenter, fenter@anl.gov, Mark Rivers, rivers@cars.uchicago.edu, Neil Sturchio sturchio@uic.edu, Steve Sutton sutton@cars.uchicago.edu.

*V06 The Big Score: Twenty Years of Research on the Pu`u `O`o - Kupaianaha Eruption, Kilauea Volcano, Hawai`i.*

Contact: Jim Kauahikaua jimk@usgs.gov, Mike Garcia garcia@soest.hawaii.edu.

*V07 Statistical Analysis of Data Recorded on Active Volcanoes: Advancements and New Perspectives.*

Contact: Warner Marzocchi warner@ov.ingv.it, Susanna Falsaperla, falsaperla@ct.ingv.it, Steve Malone steve@geophys.washington.edu, Steve McNutt steve@giseis.alaska.edu.

VGP also presents jointly with the following Special Sessions:

B03 Mass Independent Isotope Fractionation: New Frontiers in Isotope Biogeochemistry.

B04 Microbial Activity on Mineral and Rock Surfaces.

GP03 Electrical Conductivity and Physical Properties in the Lab and in the Earth.

GP04 Magnetic Database Developments.

MR02 Applications of Neutron Scattering in Earth Sciences.

MR03 Elasticity and Constitution of the Earth's Interior.

NG11 Fractals, Chaos, and SOC in Natural and Human-Induced Hazards: Characterization, Models Risk Assessment, and Mitigation.

OS10 Data Integration, Publication, and Archival (DIPA).

P02 Mars Exploration Rover Mission: Setting Down on the Red Planet Once Again.

P04 Terrestrial Analogues for Planetary Studies.

P10 Closing the Loop: Remote Analysis of Terrestrial and Planetary Surfaces.

P06 Stable Isotopes and the Search for Life in the Solar System.

P12 Fundamental Discoveries in Planetary Science: The Color of Worlds

P13 Outer Planet Satellite Interiors.

S02 Seismic Discontinuities, Phase Transitions, and Mantle Dynamics.

S04 Lithospheric Structure in North America and Europe: Comparisons and Recent Results.

S06 Seismicity in Stable Continental Region (SCR): A New Look Inspired by Recent Earthquakes in Eastern North America and Other SCRs.

S08 Plumes, Hot Spots, and Calderas.

T03 Izu-Bonin-Mariana Subduction Factory.

T05 Dynamics of Magma Chambers and Magma Transport in the Earth's Crust: on Hydrothermal, Volcanic, and Tectonic Processes at Ultraslow Spreading Mid-ocean

Ridges.

T11 Cenozoic Evolution of the Pacific Ocean Basin: What Are the Outstanding Questions?

T12 The Structure and Evolution of the Incoming Plate at Subduction Zones.

T14 The Hawaiian-Emperor Seamounts: New Results and Implications for the Nature of Hot Spots.

T15 Challenging Old Paradigms on the Structure, Composition, and Evolution of the Deep Continental Lithosphere.

T18 Volatiles in Earth's Mantle.

*Marc Hirschmann, marc.m.hirschmann-1@umn.edu*  
*VGP Fall Meeting Chair*

#### **(4) EGS/AGU/EUG JOINT ASSEMBLY, PARIS, FRANCE, APRIL 2003**

I represent VGP on the AGU Spring Program Committee. As you likely know, next year we are working with the Europeans to hold the Spring Meeting in France (7-11 April 2003). The deadline for Special Session Proposals for the 2003 EGS, AGU and EUG Joint Assembly in Nice recently has been extended to 20, September 2002. Further information is available from the EGS web site (at <http://www.copernicus.org/egsagueug/index.html>), including the provisional program (check both the VGP Program and Tectonism and Sedimentary Processes Program for sessions that may be of interest to VGP members). If you wish to propose an additional Special Session, use "Edit Mode and COSIS login" at the bottom of the web page. Already the program looks exciting, and additional proposals can only strengthen it further.

Finally, the 2004 Spring Meeting will be a Joint Meeting with the Canadian Geophysical Union (CGU), from 17 to 21 May, 2004, in Montreal, Canada.

*Mike Brown*  
*VGP Spring Meeting Committee Chair*

#### **(5) CALL FOR NOMINATIONS FOR AGU FELLOWS FROM THE VGP SECTION**

Award of AGU Fellowship is an important recognition of scientific accomplishment within the AGU and to the outside world. It is also a sign of vitality of a section within the AGU. There have been times when the VGP section was underrepresented in the Fellowship awards, although in the most recent years we have done quite well. The only way to continue to do justice to both our section and its most accomplished members is to present strong nominations to the VGP Fellows Committee. In particular, the nominations and supporting letters should be as specific as possible about the most important scientific accomplishments of your candidate. For nomination instructions, see <http://www.agu.org/inside/fellnom.html>. For a list of all VGP fellows, see <http://www.geology.washington.edu/~agu-vgp/awards.html>. The deadline for nominations is October 1, 2002. Nominations should be sent directly to AGU; nominations meeting AGU guidelines will be forwarded to the Section Fellows Committees.

*Nobu Shimizu*  
*VGP Fellows Committee Chair*

## **(6) CALL FOR NOMINATIONS FOR NORMAN L. BOWEN AWARD**

The N. L. Bowen Award was established in 1981 by the Volcanology, Geochemistry, and Petrology Section to recognize outstanding contributions to volcanology, geochemistry, or petrology in the past five years. Special consideration is given to nominees who have not previously received a medal. A list of past recipients is included below. All that is required for a nomination is a letter stating why the nominee deserves the award, a copy of the nominee's CV, and supporting letters from at least two scientists who know the nominee and support the nomination. The deadline for nominations is October 16, 2002. Please send nomination packages to Professor Rebecca Lange, Dept of Geological Sciences, 2534 CC Little Building, 425 E. University Ave., Ann Arbor, MI 48109-1063.

Looking forward to hearing from you.

*Rebecca Lange*  
*Bowen Award Committee Chair.*

### **Past Awardees:**

*Richard A. Yund, 1981*  
*T.N. Irvine, 1982*  
*Lionel Wilson, 1983*  
*Robert C. Newton, 1984*  
*Michael J. O'Hara, 1984*  
*Richard V. Fisher, 1985*  
*Edward Wesley Hildreth, 1985*  
*H.U. Schmincke, 1985*  
*Ian S.E. Carmichael, 1986*  
*Fred A. Frey, 1986*  
*John Barry Dawson, 1987*  
*S. Ross Taylor, 1988*  
*Alexander R. McBirney, 1990*  
*Eric Essene, 1991*  
*Robert O. Fournier, 1991*  
*Bruce D. Marsh, 1993*  
*Timothy L. Grove, 1993*  
*Alan Bruce Thompson, 1994*  
*Harry W. Green II, 1994*  
*T. Mark Harrison, 1995*  
*Frank M. Richter, 1995*  
*Charles H. Langmuir, 1996*  
*Frank S. Spear, 1997*  
*Alex Halliday, 1998*  
*Charles R. Bacon, 1999*  
*Francis Albarede, 2000*  
*Alfred Anderson, 2001*

## **(7) CALL FOR NOMINATIONS FOR THE MACELWANE AWARD**

Your help is requested to recognize outstanding VGP scientists.

This medal recognizes significant contributions to the geophysical sciences by an outstanding young scientist (less than 36 years of age). Macelwane, the thirteenth president of AGU (1953–1956), was renowned not just for his contributions to geophysics but also for his deep interest in teaching and encouraging young scientists. As many as three medals may (but need not) be given annually and up to five medals may be given annually under exceptional circumstances on the unanimous vote of the selection committee.

At this point we need names of worthy young VGP candidates. If a person is selected, an official nomination will be solicited. The Macelwane Medal is a Union award. VGP may generate a nomination, but the nomination must be submitted by individual AGU members.

A VGP nominee, John Eiler, will be recognized for the Macelwane Award this year. Ken Farley and Erik Hauri were VGP Macelwane recipients in 2000.

I am sure you know of outstanding young scientists deserving of this career enhancing award.

Please send your recommendation with a brief summary of why you think this person is deserving of the award to me at the address below.

Thanks for your help in this effort.

*Michael Garcia (mogarcia@hawaii.edu)*  
*VGP Macelwane Award Committee Chair*

#### **(8) 2002 AGU SPRING MEETING OUTSTANDING STUDENT PRESENTATION AWARD**

Christian Holzapfel from the Bayerisches Geoinstitut, Universitaet Bayreuth, Bayreuth, GERMANY, has won the VGP Outstanding Student Paper Award for his presentation V52B-02 entitled: "Rates of chemical diffusion in the lower mantle of the Earth" by Holzapfel, C, Miyajima, N, Rubie, D C, Frost, D J, Mackwell, S, Langenhorst, F.

The 2002 Spring meeting saw 25 student presentations in VGP. This award will also be announced in a forthcoming issue of EOS. We will start to keep a listing of all awardees at the AGU website on the VGP page: <http://VGP.AGU.org/>

*Vincent Salters*  
*Education/Outreach Chair*

#### **(9) AGU'S TRANSITION TO ELECTRONIC PUBLICATION**

AGU publications has seen big changes over the last 12 months, ranging from the extremely successful establishment of G-cubed to a "not so smooth" transition to electronic publication for all AGU journals. The AGU staff recognizes these problems and is working hard to resolve them. In this situation it is very important to receive constructive criticism from the readership. The VGP publication committee solicits views and opinions of what was considered positive and negative about the recent changes. Please rank your comments in terms of importance and urgency and direct your

comments to

*Hubert Staudigel <hstaudigel@ucsd.edu>,  
Chair, Publications Committee*

### **(10) UPDATING MEMBERSHIP INFORMATION**

Please check your membership information. Is it up to date? Please go to the AGU home page (<http://www.agu.org/>) and follow these instructions:

Click on Member Services

Click on Members Only Services

Click on AGU on-line membership directory,

Click on View My Own Entry e-mail address, etc. Ask your VGP colleagues to do the same so that AGU and we have up to date e-mail addresses.