

February 2007

VGP Section Newsletter #27

Happy New Year to all our VGP Colleagues,

Here is the first Volcanology, Geochemistry and Petrology Section newsletter of the year. Please send comments and suggestions to Sarah Fagents at fagents@hawaii.edu.

In this issue:

- * Message from the VGP president
 - Jim Luhr
 - 2007 AGU Fellows
 - 2007 Joint Assembly, Acapulco, Mexico, May 22-25
 - 2007 Daly Lecture
- * Jim Luhr, 1953 to 2007
- * New AGU Fellows
- * 2007 Bowen Award and Union Medal nominations
- * AGU Fall Meeting student presentation awards
- * VGP website
- * 2007 Joint Assembly VGP sessions
- *ADDENDUM

(1) MESSAGE FROM THE PRESIDENT

I have several items I would like to mention before we get to the main part of the newsletter. First the saddest.

Jim Luhr: Many of you will already know of the untimely and sudden death of Jim Luhr, a great friend and colleague to many of us. A brief obituary follows in item (2) below.

2007 AGU Fellows: We are pleased to announce that there is a strong showing of VGP members on the list of 2007 AGU Fellows who were recently elected. In item (3) of the newsletter we list those who have affiliation with VGP. *Ken Farley* (chair) and members of the VGP Fellows Committee (<http://vgp.agu.org>) must be congratulated for an excellent job of soliciting nominations and sending a strong slate forward to the AGU Fellows Committee. The Executive Committee thanks them for all their work on behalf of the section.

The 2007 Joint Assembly is being held in from 22-25 May 2007. Abstract deadline is 1st March. Based on the number of special sessions which have been organized (see item 7 below) this meeting promises to be about twice as large as last year's Joint Assembly in Baltimore and will have a much larger than usual VGP component. This should make it a very attractive meeting. There will be the usual VGP reception, awards to new AGU Fellows and the annual Daly Lecture. More details can be found at <http://www.agu.org/meetings/ja07/>.

2007 Daly Lecture: Named for Reginald Daly (1871-1957) the Daly Lecture is VGP's part of the AGU Bowie lecture series and is traditionally given at the Joint Assembly. As Section President I have the honor of choosing the Lecturer and I am delighted to announce that the 2007 lecture in will be given by *Timothy L. Grove* of MIT.

I look forward to seeing a strong representation at the VGP reception in .

---Bernie Wood , VGP President

(2) JIM LUHR, 1953-2007

It is with deep sadness that we inform you that Jim Luhr, Curator in the Department of Mineral Sciences, National Museum of Natural History, Smithsonian Institution, Washington D.C., died peacefully in his sleep from complications of influenza on January 1, 2007 at the age of 53. Jim received his Ph.D. in 1980 from the University of Michigan. He came to the Smithsonian in 1991 from the University of Michigan, where he was Assistant Professor in the Department of Earth and Planetary Sciences. In 1995 Jim became the director of the Global Volcanism Program. He was Department Chair from 1999 to 2004, at which point he happily returned to his research on Mexican volcanoes and many other projects. He served on numerous museum and national committees, and among his many contributions to the museum were his major role in the volcanoes section of the Geology, Gems, and Minerals exhibit hall and as editor of the books, *The Volcano Born in a Mexican Cornfield* (1993) and *Earth* (2003). As curator, scientist, former Department Chair, and recent Director of the Global Volcanism Project, Jim made many important and lasting contributions to the Smithsonian Institution. His research is widely known and cited from nearly eighty publications on volcanology, petrology of volcanic rocks and mantle xenoliths, and volatile species in magmas. Jim was an AGU VGP member and regularly contributed presentations at AGU meetings.

An accomplished musician, Jim was a fiddler for an Irish music group, The Greentop Ramblers. For the past three years, he was president of Adelphi Pool, a community pool in Silver Spring. He was an active member of the Unitarian Universalist Church of Silver Spring and regularly helped to feed homeless people at Shepherd's Table in Silver Spring.

Jim is survived by his wife, Karen Prestegaard, a geology professor at the University of Michigan, and daughters Sigrid (17) and Mei-mei (9).

Jim is universally remembered as a kind, thoughtful, and patient gentleman. His good nature and low-key wit endeared him to friends and colleagues worldwide.

For more on Jim Luhr see <http://www.volcano.si.edu/luhr.cfm>.

(3) 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, seven 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 in January 2007:

Susan Brantley (VGP) Pennsylvania State University

Rod C. Ewing (VGP) University of Michigan, Ann Arbor

Tom H. Heaton (S) California Institute of Technology

Bernard Marty (VGP) CRPG Nancy, France

David D. Pollard (T) Stanford University

Joseph R. Smyth (MRP) University of Colorado, Boulder (inadvertently omitted in email version of this newsletter)

Frank S. Spear (VGP) Rensselaer Polytechnic Institute

John W. Valley (VGP) University of Wisconsin-Madison

(4) 2007 BOWEN AWARD AND UNION MEDAL NOMINATIONS

Please take note of the deadlines for the Bowen Award (<http://vgp.agu.org>), May 1, 2007, and for Union Medals, March 15, 2007. This is your opportunity to bring the contributions of deserving colleagues to the attention of the relevant committee.

For the Bowen Award, nomination packages should be sent electronically to the chair of the committee, *Richard Arculus*: Richard.Arculus@anu.edu.au

Union Medal nominations are submitted to AGU headquarters (see: <http://www.agu.org/inside/awardnom.html>) but the VGP section has two committees to assist with nominations and contact may be made with them before submission:

Macelwane Medal: *Rick Carlson* (Chair) Carlson@dtm.ciw.edu

Union Medals: *Bill McDonough* (Chair) mcdonoug@geol.umd.edu

(5) AGU FALL MEETING STUDENT PRESENTATION AWARDS

Congratulations to the following students for receiving outstanding presentation awards at the 2006 Fall Meeting.

Charles Plummer, College of William and Mary, V13B-0678: Plume-Lithosphere Interaction in the Ethiopian CFB Province: Breaking up Gondwana

Frantisek Majs, University of Georgia, V31D-0605: Evaluation of Soluble Phosphate Sources for Nickel and Uranium Immobilization in Contaminated Sediment

Zack Bowles, Arizona State University, V53C-1758: Lava Flow Lengths and Historic Eruptive Parameters: Implications for the Volcanic History of the Batamote Mountains, Ajo, Arizona

Sarah Fowler, UC Santa Barbara, V33C-0675: Phase Equilibria Impetus For Large-Volume Explosive Volcanic Eruptions

Patricia Clay, Boston University, V33A-0633: Multi-path Diffusion: Implications for the Measurement of Ar Solubility and Partitioning Between Quartz and Feldspar

Eoghan Holohan, Trinity College, Dublin, Ireland, V33C-0685: A Reappraisal of the Caldera Structural Continuum: Insights into Super-Volcano Formation from Field Studies and Analogue Experiments

Todd Bianco, University of Hawaii, V13B-0667: Geographic Variations in Hotspot Geochemistry Caused by 3D Dynamics and Melting of a Heterogeneous Mantle Plume

Anat Shahar, UCLA, V13E-03: High Temperature Iron Isotopic Fractionation in Earths Mantle - An Experimental Approach

Katherine Crispin, Case Western Reserve University, V33A-0632: Diffusion of Trivalent Cations in MgO at 1 atm and High Temperature (1473-1775 K)

Caroline-Emmanuelle Morisset, University of British Columbia, V33A-0644: Trace Element and Hf Isotopic Compositions of Magmatic Rutile From Fe-Ti Oxide Ore Deposits Related to the Proterozoic Anorthosite Massifs

---*Joop Varekamp*, Education/Outreach Chair

(6) VGP WEBSITE

VGP maintains a website at <http://vgp.agu.org> where a variety of information relevant to VGP members is housed. This includes listing of the various VGP committees, a searchable meetings calendar, information on VGP and AGU Medals and Awards, and links to numerous sites of interest to VGP.

(7) 2007 JOINT ASSEMBLY VGP SESSIONS

Abstract submissions are being accepted until March 1, 2007 for the Joint Assembly to be held in . Below is a list of the sessions sponsored or cosponsored by the VGP section. For more information, visit www.agu.org/meetings/ja07/

VGP SPONSORED SESSIONS

- V01: Volcanology, Geochemistry, and Petrology General Contributions
- V02: Methodology to prepare Volcanic Hazard Maps: Geology, GIS Analyses, Simulation Software, And Examples.
- V03: The Origin, Evolution, and Tectonic Significance of Coeval Magmas of Differing Parentage
- V04: Modelling of Conduit and Plume Processes: Defining Strategies for Volcano Monitoring
- V05: Processes and Hazards of Monogenetic Volcanoes: Are they what everyone thinks they are?
- V06: Understanding Volcano-Ice Interactions: Integration of Field, Remote Sensing, and Modeling Approaches
- V07: Space-Time-Composition Trends in Phanerozoic Magmatism,
- V08: Diversity of the Subarc Mantle- Insights from Studies of Peridotite Xenoliths, Ophiolites and Metamorphic Rocks from Subduction Zones.
- V09: Towards Integrated Studies on Volatiles in Magmas: from the Mantle to the Atmosphere
- V10: Volcano Satellite Monitoring
- V11: Deep Subduction Zone Metamorphism and Rheology: Role of Fluids
- V12: Recent Eruptions and Volcanic Crisis in the Americas
- V13: Monitoring Volcanic Emissions in the Americas
- V14: Physical and Experimental Volcanology: State of the Art and Hazards Analysis Applications
- V15: Chicxulub Crater, Mexico: Petrology and Geochemistry of Impactites at Peak-Ring Craters
- V16: What is a Volcano ? New Answers to an Old Question
- V17: Prehistoric Hazards: Volcanoes and Archaeology
- V18: High Mg-Andesites, Slab Melts and Wedge Melts – Significance for Crustal Genesis?
- V19: Post-Subduction, Arc-Related Magmatism and Tectonism in Northwestern Mexico
- V20: Volcanic Flank Collapses
- V21: Volcanoes, Plutons and Deposits: What's the Connection?
- V22: Multiparameter Studies for Evaluating Magma Storage, Ascent and Eruption Triggering
- V23: Deep Drilling at Volcanic Areas: Developments in Volcanology and Perspectives for Geothermal Energy Exploitation

COSPONSORED SESSIONS

- G05: Large Scale Geodetic Networks for Science, Hazard Monitoring, and Infrastructure
- GP06: New Discoveries in Magnetic and Gravity Anomaly Interpretation Methodologies and Their Innovative Application for Geologic, Environmental, Exploration and Planetary Scale Potential-field Data
- GS06: Uranium in the Environment
- H06: Isotope Tracers in the Earth and Life Sciences: A Tribute to Gilbert Hanson
- NG04: Complex Systems and Nonlinear Geophysics: New Developments
- P03: Geochemistry of Solar System Bodies
- PA01: Public Affairs Related to Assessing Geologic Hazards
- PP07: Paleoenvironmental Records from Cave Sediments
- T02: Subduction Erosion and Tectonic Underplating Along The Central America Trench and

Beyond

T03: Untangling Subduction Zone Plate Boundary Coupling and Trench Migration Using Multi-Scale Observations and Modeling

T06: Mexican and Central America Subduction Zones: Bringing Together Seismology, Petrology, Geology, Tectonics and Geodynamics

T08: Dynamic Linkage between Orogenic Exhumation and Basin Evolution

T09: Paleoseismology

T10: The Cretaceous/Tertiary (K/T) Boundary in the Gulf of Mexico and the : New Assessments from the ICDP YAX-I Drill-Core and Beyond

(8) ADDENDUM

- CRAFOORD PRIZE- *Wallace S. Broecker*

The 2006 Crafoord prize for Geosciences has just been awarded to Wally Broecker of Lamont-Doherty Earth Observatory for his "innovative and pioneering research in explaining how the ocean, atmosphere and biosphere interact with the climate."

<http://www.nytimes.com/aponline/world/AP-Crafoord-Prize.html>

We are sure that all VGP members will join us in congratulating Wally on this great achievement.

- *Joseph R. Smyth* was omitted in the list of AGU Fellows in the email version of this newsletter.