http://gs.wustl.edu

Geochemical Society

NOTES FROM ST. LOUIS

2006 Membership Drive

If you have not already done so, please take a moment now to renew your membership in the Geochemical Society. Membership includes your subscription to *Elements*. For 2006, we have also added online-only options for GCA and G-cubed journals. For more member benefits as well as membership applications, please visit **http://gs.wustl.edu/join/**

GS Award Nominations Needed

Once again nominations are needed for the Goldschmidt Medal, Clarke Medal, Patterson Award, Treibs Award and GS/EAG Geochemical Fellow Awards. Please take the time to consider the accomplishments of your valued friends and colleagues by so honoring them. With your help, we can ensure that all of geochemistry is recognized and all geochemists are considered!

For detailed information on nomination requirements, please visit the Geochemical Society website at: **http://gs.wustl.edu/archives/nominations.html**

Community Job Listing

The Geochemical Society now has a web page to announce job openings in geochemistry and related fields. The web address is **http://gs.wustl.edu/announce/joblist.html**. If you have a job you would like to post on this page (at no cost), please send it to **office@gs.wustl.edu**

GS Advocacy Initiative

More than 70 scientists from many natural and social science disciplines traveled to Washington DC for a two-day talk with congressional members and their staffs about the importance of the National Science Foundation to the nation and society. The scientists were gathered together by the Coalition for National Science Funding (CNSF), a coalition composed of scientific, engineering, and professional societies, universities, and corporations. The geosciences were well represented. Professor Daniel deB. Richter, a biogeochemist from Duke University's Nicholas School of the Environment and Earth Sciences, was the Geochemical Society's representative. Richter is optimistic that the Coalition can grow to become a significant voice in national science policy, and eventually succeed in achieving a doubling of NSF's budget over a five-year period.

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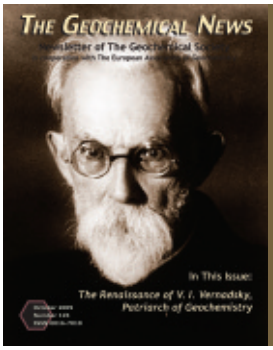

Do you know who Lovelock and Margulis, proponents of the Gaia hypothesis, described as "their most illustrious predecessor?"

How does someone who describes his sole pre-university exposure to geology as "wandering at low tide through the mudflats of the Thames estuary looking for fossilized tree ferns" become a world renowned expert in hydrothermal vent systems?

See the October issue of the *Geochemical News* at gs.wustl.edu to find the answers!

GS ANNOUNCES A CONTEST TO DESIGN A NEW LOGO

The Geochemical Society is seeking a fresh face!

When the Geochemical Society began 50 years ago, it adopted the hand-drawn logo shown on this page. As we look forward to the next 50 years, it is time to update our widely used emblem with a fresh look. If you have been wishing for an opportunity to put your creativity in the graphic arts to work in a high-impact way, here is your chance to produce a new logo for our society! The contest is open to anyone.

Most modern logos or emblems share similar qualities—easy to use in electronic as well as traditional media with simple styles and readily represented in black and white or color formats. The logo should be scalable and not be too detailed so that it works well at low resolution. It may include Geochemical Society or GS somewhere in the design but this is not mandatory. Creativity, originality, aesthetics, use of space and color will all be considered in the selection process. Please keep these suggestions in mind while designing your entry.

A cash prize of US$500 will be awarded to the winner. Plus the winner will have the pleasure of seeing his or her creative juices displayed by the GS for years to come as our society continues to grow in size and impact.

Deadline for entries is January 5, 2006, and the winner will be announced in March 2006. To enter, please send your submission(s) as an electronic file. Preferred formats are .eps or Illustrator. It would be advantageous to provide your entry in both black and white and color versions. Flash format is also welcome.

Send your entries and your contact information directly to **office@gs.wustl.edu**. You may submit as many entries as you wish. The winning entry becomes the property of the Geochemical Society. By submitting an entry, you agree to grant GS exclusive, royalty-free license to use your logo entry for purposes of the contest. The winner will be required to sign a notarized affidavit releasing intellectual rights to the Geochemical Society.

If you have questions regarding this contest, please contact Seth Davis at **office@gs.wustl.edu**.

The Mineralogical Society of America and The Geochemical Society announce the following

2006 Short Courses

Water in Nominally Anhydrous Minerals

October 1–4, 2006, Verbania, Italy

Short course organizer: Hans Keppler, Bayerisches Geoinstitut, Bayreuth, Germany, and Joseph Smyth, University of Colorado, Boulder, CO, USA

Neutron Scattering Applied to Earth Sciences

before the Fall 2006 American Geophysical Union meeting, San Francisco, California

Short course organizers: Rudy Wenk, University of California at Berkeley, CA and Nancy L. Ross, Virginia Polytechnic Institute and State University, Blacksburg, VA

Medical Mineralogy and Geochemistry

before the Fall 2006 American Geophysical Union meeting, San Francisco, California

Short course organizers: Nita Sahai, University of Wisconsin, Madison, WI and Martin A. Schoonen, State University of New York – Stony Brook, Stony Brook, NY

More information and registration forms will be available in the spring of 2006.

16th Annual V.M. Goldschmidt Conference 2006

27 August – 1 September 2006
Melbourne Exhibition and Convention Centre, Melbourne, Australia
www.goldschmidt2006.org

Conference topics shall highlight important issues, facilitate open discussion and provide fresh perspectives. Please visit the conference website for more details and to register for this not-to-be-missed conference. A program summary is provided below.

Theme 1: Advances in techniques in geochemistry
Trevor Ireland, Andrew Berry
S1-01: Nuclear methods in geochemistry
S1-02: Reactions and processes at mineral surfaces and boundaries
S1-03: Determining coordination and structure with synchrotron light
S1-04: Techniques for Earthtime and CRONUS
S1-05: Techniques for isotopic and abundance measurements of light elements
S1-06: Techniques for heavy stable isotope analysis
S1-07: Techniques for nanoscale geochemistry
S1-08: Noble gases in the 21st century

Theme 2: Mineral deposits and ore geochemistry
Andy Barnicoat, Chris Heinrich
S2-01: Quantitative hydrodynamic and thermodynamic modelling of hydrothermal processes
S2-02: Fluid–melt–mineral interactions in nature and experiments
S2-03: Element mobility in the regolith: ore body formation, dispersion and discovery
S2-04: Geochemical and isotopic techniques – applications to ore deposits and exploration
S2-05: Sources and mobility of metals across scales: from veins to the lithosphere
S2-06: Sulfide mineralogy and geochemistry; to mark the publication of Vol 60 in the *Reviews in Mineralogy and Geochemistry* series
S2-07: Geochemistry of platinum group elements and their ores

Theme 3: Solar system formation
Herbert Palme, Marc Norman
S3-01: Chronology of the early solar system (including an additional workshop on construction of a time scale for the early solar system)
S3-02: Stellar and nebular processes
S3-03: Planetary formation and differentiation
S3-04: Geochemistry of planetary surfaces
S3-05: Cosmochemistry of habitable planets

Theme 4: Convecting Mantle
Bernie Wood, Janne Blichert-Toft
S4-01: Experimental constraints on upper mantle processes – a special symposium honouring Prof. David H. Green
S4-02: Messages from the past—the signature of ancient subduction
S4-03: Early mantle evolution
S4-04: Mantle–core interactions
S4-05: Perovskite and post-perovskite stability: geochemical and geodynamical consequences
S4-06: Melting at ridges
S4-07: Volatiles in the mantle
S4-08: Plumes and large igneous provinces
See also S5-07

Theme 5: Lithosphere evolution
Roberta Rudnick, Greg Yaxley
S5-01: The deepest lithosphere and beyond: Diamonds and related research – a session in honour of Jeff W. Harris
S5-02: Earth evolution 4.5 to 3.5 Ga: Deciphering the earliest global systems
S5-03: Geochemical and geophysical probing of continental dynamics
S5-04: Precambrian ophiolites and greenstone belts: insights into mantle dynamics and lithosphere evolution
S5-05: Processes of mantle refertilisation and modification
S5-06: Ross Taylor symposium – celebrating Ross' career and contributions
S5-07: Shen-su Sun Symposium – Geochemical reservoirs and mantle convection (jointly with theme 4)
S5-08: Continental crust subduction and recycling
S5-09: Granites and mantle–crust interaction

Theme 6: Subduction processes
Tim Elliott, Richard Arculus
S6-01: Fluid loss during early (< 2 GPa) subduction
S6-02: "Deep" fluid release from the slab
S6-03: Mantle melting in subduction zones
S6-04: Unscrambling differentiation
S6-05: Mineralisation at subduction zones
S6-06: Subduction zone evolution in 4-D

Theme 7: Geochemical constraints on timescales and mechanisms of tectonic processes
Derek Vance, Joerg Hermann
S7-01: Accessory phases and trace elements: links between geochronology and petrology
S7-02: Up and down: Geochemical constraints on paleotopography and tectonic geomorphology
S7-03: Fast and furious versus slow and steady: rates of tectonic and magmatic processes
S7-04: Extreme metamorphism
S7-05: Light elements in the continental crust
S7-06: Fault systems: their geochronology and geochemistry

Theme 8: Biogeochemistry and the origin and evolution of life
Malcolm Walter, Mike Russell
S8-01: Mediation across the abiotic–biotic transition at the dawn of life
S8-02: Quantum aspects of life
S8-03: Novel isotopic tracers of biogeochemical processes
S8-04: Compound specific isotope analysis and its contributions to palaeoreconstruction
S8-05: Major episodes of extinction, radiation and biogeochemical change
S8-06: Microbe–mineral interactions
S8-07: Life's signatures and products up to 2.0 Ga
S8-08: Possible biogeochemistries of Mars
S8-09: Timescales of human evolution

Theme 9: Aquatic geochemistry and fluids in the crust
John Mavrogenes, Sue Brantley
S9-01: Fluid immiscibility in high-T systems
S9-02: Supercritical behaviour
S9-03: Water–rock interaction in aquifers: reactions, rates, controls
S9-04: Low-temperature geochemistry in surface environments
S9-05: Nanoscale-size effects on geochemical processes: reactivity, kinetics, and pathways

Theme 10: Surface processes, low temperature systems and landscape evolution
Paulo Vasconcelos, Rod Brown
S10-01: Geochemistry, chronology and global consequences of terrestrial weathering
S10-02: Low-temperature thermochronometry: models, methods and applications
S10-03: Terrestrial cosmogenic nuclides: surface process rates and/or dates?
S10-04: Biogeochemical cycling of elements in the surficial environment
S10-05: High-resolution palaeoclimate chronologies and proxies
S10-06: Synchrotron applications to environmental mineralogy
S10-07: Mobility, availability and toxicity of pollutants
S10-08: Geochemistry of wine

Theme 11: Ocean chemistry and circulation: climate and environment
Rachael James, Malcolm McCulloch
S11-01: Deep-sea carbonate systems
S11-02: Marine biogeochemical forcing of Earth's atmosphere on short and long timescales
S11-03: Ocean chemistry: past, present and future
S11-04: Geochemical proxies for the past marine environment
S11-05: Continental input of dissolved material to the oceans: control and fate
S11-06: Absolute and relative chronologies of climate change

General Symposia
G-01: Analytical geochemistry
G-02: Atmospheric geochemistry
G-03: Biogeochemistry
G-04: Computational geochemistry
G-05: Cosmochemistry
G-06: Crystallography
G-07: Environmental geochemistry/mineralogy
G-08: Experimental geochemistry/petrology
G-09: Geochronology
G-10: Hydrology/hydrogeochemistry
G-11: Hydrothermal geochemistry
G-12: Igneous geochemistry
G-13: Isotope geochemistry
G-14: Marine geochemistry
G-15: Metamorphic geochemistry
G-16: Mineral deposits