



Geochemical Society

GOLDSCHMIDT UPDATE

Scott Wood
Goldschmidt Conference Organizer

The 15th Annual V.M. Goldschmidt Conference in Moscow, Idaho, USA on May 20–25, 2005 is shaping up to be an excellent meeting. As of this writing, approximately 1,400 abstracts have been submitted, a new record for Goldschmidt in North America! Also 16 exhibitors have reserved booths so far. Accommodation and travel bookings are beginning to fill fast. And remember, March 20, 2005 is the deadline for discounted early registration!

As of this time, the following plenary lectures are planned:

GS Presidential Address: James I. Drever, "Silicate weathering: where have we come in 50 years?"

Goldschmidt Medalist Address: E. Bruce Watson, "Crystallization temperatures of Hadean zircons: Plate tectonics at 4.35 Ga?"

Dana Medalist Address: William Carlson, "Rates and mechanisms of metamorphic processes from natural occurrences"

Clarke Medalist Address: James van Orman, "Diffusion in mantle and core materials"

Patterson Medalist Address: Ken Bruland, "The role of iron as a micronutrient influencing phytoplankton in coastal upwelling regimes"

The conference will start with an ice-breaker party in the evening of May 20. Oral and poster sessions will take place May 21, 22, 24, and 25. The plenary session will take place on the morning of May 23, followed by the Hells Gate barbeque and jet boat tour. Finally, don't miss the gala dinner-dance in celebration of the 50th anniversary of the Geochemical Society. This will be held on May 24 and is included in the conference registration fee for students and professionals.

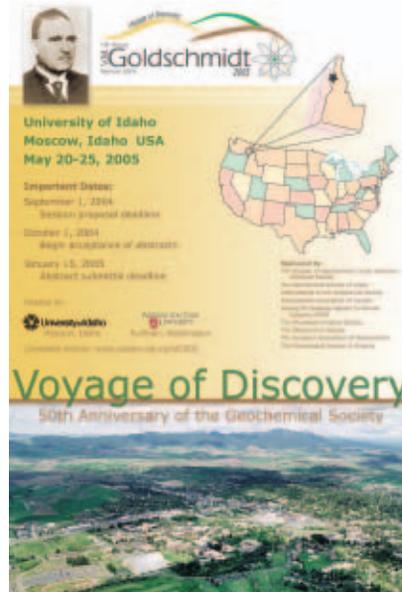
For further information, see the conference website at: www.uidaho.edu/gold2005

CALL FOR NOMINATIONS: ALFRED TREIBS MEDAL

Nominations must be received
by **June 1, 2005**

The **Alfred Treibs Medal** is awarded by the Organic Geochemistry Division of the Geochemical Society for career achievements, over a period of years, in organic geochemistry. Such achievements consist of pioneering and innovative investigations that have made highly significant contributions to the understanding of the origin and fate of organic materials in the geosphere and/or in extraterrestrial environments.

Submission requirements and procedures are available on the GS website at: <http://gs.wustl.edu/archives/nominations.html#TREIBS>



NOTES FROM ST. LOUIS

Seth Davis
GS Business Manager

■ With the creation of *Elements*, the quarterly *Geochemical News* will continue under the editorial expertise of Dr. Carla Koretsky and Dr. Johnson Hass as an online-only newsletter. Current and past issues are available at: <http://gs.wustl.edu/archives>. Highlights from the January 2005 issue include an article about geochemistry research (past and present) in eastern European countries as well as a continuation of the series on geochemistry research at U.S. National Laboratories with a look at the Oak Ridge National Lab.

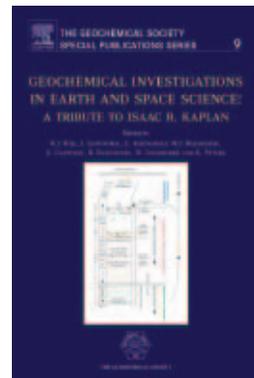
■ The 2005 V.M. Goldschmidt Medal will be presented to E. Bruce Watson. The 2005 F.W. Clarke Medal will be presented to James A. van Orman. The 2005 C.C. Patterson Medal will be presented to Kenneth Bruland. The 2005 GS/EAG Geochemistry Fellows are: Nicholas Arndt, Stein Jacobsen, Stuart Wakeham, and Lynn Walter. All of these awards will be presented at the 15th annual Goldschmidt Conference in Moscow, Idaho.

■ Members may already submit nominations to the 2006 Award Committees. More information regarding submission requirements and procedures is available on our website at <http://gs.wustl.edu/nominations.html>

■ The GS Business Office is helping organize the Yucca Mountain preconference field trip. This will be a two-day field trip, with the first day devoted to regional geology and hydrology, and the second day being a visit to the proposed Yucca Mountain Civilian High Level Nuclear Waste Disposal Site. Registration is limited to 50 participants. More information on this and other field trips is available under Socials & Field Trips on the Goldschmidt website: www.uidaho.edu/gold2005

■ We are continuing the Special Publication Tribute Series with the release of Volume 9, *Geochemical Investigations in Earth and Space Science: A Tribute to Isaac R. Kaplan*. An order form is available in *Geochemical News* or on our website at: <http://gs.wustl.edu/publications/#SPS>.

■ And finally, I welcome any questions or comments you may have about the Geochemical Society. I may be reached via e-mail at gsoffice@gs.wustl.edu.



Short Course

THERMOCHRONOLOGY

October 14–15, 2005

Snowbird Resort, Snowbird, Utah, 84092, USA

Conveners

PETER W. REINERS, Department of Geology & Geophysics, Yale University

TODD A. EHLERS, Department of Geological Sciences, University of Michigan.

Analytical and modeling advances, combined with rapidly expanding interest in shallow-crustal and Earth- and planetary-surface processes, have led to significant advances in the techniques, applications, and interpretations of thermochronometry. Recent thermochronologic studies have provided unprecedented insights into a wide range of geological problems such as the timing and rates of development of topographic relief, the architecture and dynamics of orogenic wedges, and feedbacks between erosion, uplift, and climate at a variety of scales. New techniques and innovative applications of thermochronometry are also rapidly emerging in a wide variety of subdisciplines, including precise dating of weathering episodes, shock metamorphism, wildfires, and extended time-temperature histories from single crystals. As the range of geologic problems accessible to thermochronometry has expanded, so has the need for robust theoretical understanding of the crystal-scale kinetics (e.g., diffusion, annealing) that control thermochronometric ages, as well as the crustal- or orogen-scale tectonic and geomorphic processes that influence their spatial-temporal patterns across the landscape.

This short course will assess the current state of the art in thermochronometry and evaluate progress in analytical and interpretation techniques, future potential, example applications, and outstanding issues in the field that have recently emerged or need attention for robust progress. We will focus attention on several areas, including techniques for measuring data, innovations in interpretive techniques at both crystal and regional scales, and exemplary case studies that integrate multiple low-temperature thermochronometers or other techniques. This course will also serve not only to provide state-of-the-art assessments for practitioners of thermochronometry, but also as an introduction for Earth scientists seeking to use thermochronologic constraints in their research.

There will be a software demonstration session the evening of the first day, to introduce participants to forward and inverse models for interpretation of thermochronologic data, including diffusion/annealing, and tectonotopographic/thermal phenomena on orogen and crustal scales. The short course will be followed by thermochronology special sessions at the Geological Society of America meeting in Salt Lake City.

Topics, speakers, and registration information for the short course are on the MSA website (www.minsocam.org) or available from the MSA Business Office, 1015 18th St NW Ste 601, Washington, DC, 20036-5212, USA. Tel: 202-775-4344, Fax: 202-775-0018, e-mail: business@minsocam.org. All-inclusive registration fee covers short course sessions, hotel room for two nights (double occupancy), meals including refreshments at breaks, and the *Reviews in Mineralogy and Geochemistry* volume.

The course is sponsored in part by the U.S. Department of Energy, Yale University, University of Michigan, and Apatite to Zircon Inc.

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