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## European Association for Geochemistry

### EAG ANNOUNCES ITS AWARDS

The EAG is proud to announce its 2007 medalists. The **Urey Medal** is given annually by the Society for outstanding contributions to the advancement of geochemistry during a career. The **Houtermans Medal** is awarded annually to a scientist under 35 years of age for exceptional contributions to geochemistry.

#### Urey Medal to Elderfield



The 2007 Urey Medal has been awarded to Harry Elderfield of the University of Cambridge. Harry is a pioneer in ocean chemistry and paleochemistry who has had a far-reaching impact on geochemistry. He has contributed significantly to marine chemistry, most notably with respect to the fate of metals in hydrothermal processes, the formation of manganese nodules, and the biogeochemical cycles of elements like iodine and strontium. He has authored almost 200 scientific papers and edited three books.

Harry Elderfield has also unselfishly served the international community, notably as an editor of *Geochemistry*, *Geophysics*, *Geosystems* ( $G^3$ ) and *Earth and Planetary Science Letters*. Harry's current interests include the definition of chemical proxies from biogenic carbonates and their use in understanding the ancient ocean. In particular, he has pioneered the development of foraminiferal magnesium thermometry, which is rapidly becoming accepted as a means for estimating past ocean temperatures.

#### Houtermans Medal to Parman



The 2007 Houtermans Medal has been awarded to Steve Parman of Durham University, UK. Steve is a leading expert on the behavior of volatiles in the Earth's interior. His work on water in early-Earth magmas, highlighted in a 2004 *Earth and Planetary Science Letters* Frontiers article (219: 173–187) is providing new insights into Earth's thermal evolution. Likewise, his recent research on noble gas solubility in the mantle published in *Nature* in 2005 (437: 1140–1143) is challenging the existing models of mantle structure and evolution.



The **European Association for Geochemistry** was founded to promote geochemical research and study in Europe. The EAG organizes biannual international Goldschmidt Conferences in Europe. The EAG also sponsors other European geochemical meetings and workshops, and it awards two medals for outstanding contributions to geochemistry.

Members receive reduced subscription rates for the EAG journal *Chemical Geology*. Join the EAG today at [www.eag.eu.com](http://www.eag.eu.com)

### SULPHUR IN GLASSES AND MELTS – WORKSHOP REPORT

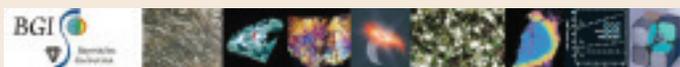
An international workshop, organized by Harald Behrens and entitled "Sulphur in Glasses and Melts", was held at the University of Hannover, Germany, on March 1–2, 2007. The workshop brought together more than fifty European and North American scientists and engineers engaged in Earth and glass sciences. The involvement of experts from both fields of research was crucial because the dissolution of sulphur in silicate melts and processes involving fluids is of major research interest in both natural and industrial processes. For example, the degassing of magmas during volcanic eruption injects large quantities of sulphur species into the atmosphere, which

may have a dramatic impact on climate and the environment. Likewise, bubbling induced by decomposition of sulphate is widely used for fining of molten synthetic glasses in glass manufacturing. The presentations dealt with the following topics: diffusion and degassing in melts; spectroscopic techniques for determining the oxidation state and local environments of sulphur in glasses; evolution of sulphur concentrations in igneous systems via measurements on melt inclusions; partitioning of sulphur between melts and fluids; saturation of sulphur and equilibrium with sulphur-bearing minerals; and thermodynamic models for sulphur solubility.



#### Gearing up for the 2007 Goldschmidt Meeting

The 17<sup>th</sup> annual meeting will take place August 19–24, 2007 at the University of Cologne in Germany and will be held in association with the annual meeting of the German Mineralogical Society. We look forward to seeing you all in Cologne. Check next page for the latest news.



### EUROPEAN UNION RESEARCH INFRASTRUCTURE – TRANSNATIONAL ACCESS (RITA) PROGRAMME AT THE BAYERISCHES GEOINSTITUT, BAYREUTH, GERMANY

#### The Structure and Properties of Materials at High Pressure

The Bayerisches Geoinstitut is funded by the European Union Research Infrastructures – Transnational Access programme for a four-year period that started in January 2005. This support follows nine years of funding, between 1994 and 2003, through the HCM/TMR Large-Scale Facility and Access to Research Infrastructures programmes.

The Research Infrastructures – Transnational Access programme funds visiting scientists ("users"), from institutions in EU states and associated states (with the exception of Germany), who wish to use the experimental, analytical or computational facilities of the Bayerisches Geoinstitut. Visiting scientists are accepted generally for periods between one week and three months. The funding covers travel expenses, accommodation and living expenses incurred during the stay in Bayreuth (usually for one user per user group) and all experimental costs. The staff members of the Bayerisches Geoinstitut provide full support for the users in terms of training and assisting with experiments. A wide range of research projects related to Earth sciences, solid-state physics and chemistry and materials science are possible. Users have access to a wide variety of experimental, analytical and computational facilities. A total of 324 experiment days of access are provided per year.

Further details can be found at [www.rita.bgi.uni-bayreuth.de/](http://www.rita.bgi.uni-bayreuth.de/)

## THE EUROPEAN ASSOCIATION FOR GEOCHEMISTRY AND THE GEOCHEMICAL SOCIETY ANNOUNCE THE 2007 GEOCHEMISTRY FELLOWS

In 1996, the European Association for Geochemistry and the Geochemical Society established the honorary title of Geochemistry Fellow, to be bestowed upon outstanding scientists who have, over some years, made a major contribution to the field of geochemistry. These fifteen Geochemical Fellows will be honored at the 2007 Goldschmidt Conference in Cologne, Germany.

- 1 Dr. Jill Banfield, UNIVERSITY OF CALIFORNIA–BERKELEY
- 2 Dr. Don Canfield, THE UNIVERSITY OF SOUTHERN DENMARK
- 3 Dr. Marc Chaussidon, CENTRE DE RECHERCHES PÉTROGRAPHIQUES ET GÉOCHIMIQUES
- 4 Dr. Jitendra Nath Goswami, PHYSICAL RESEARCH LABORATORY
- 5 Dr. T. Mark Harrison, UNIVERSITY CALIFORNIA–LOS ANGELES
- 6 Dr. Frank C. Hawthorne, UNIVERSITY OF MANITOBA
- 7 Dr. Michael F. Hochella Jr., VIRGINIA TECH
- 8 Dr. Boaz Luz, THE HEBREW UNIVERSITY OF JERUSALEM
- 9 Dr. Catherine McCammon, BAYERISCHE GEONSTITUT
- 10 Dr. Judith A. McKenzie, SWISS FEDERAL INSTITUTE OF TECHNOLOGY
- 11 Prof. Hugh St Clair O'Neill, THE AUSTRALIAN NATIONAL UNIVERSITY
- 12 Dr. Robert O. Pepin, UNIVERSITY OF MINNESOTA
- 13 Dr. Mark Thiemens, UNIVERSITY OF CALIFORNIA–SAN DIEGO
- 14 Dr. David Vaughan, THE UNIVERSITY OF MANCHESTER
- 15 Dr. Arthur F. White, U.S. GEOLOGICAL SURVEY

