



European Association for Geochemistry

2005 EAG AWARD WINNERS

The European Association for Geochemistry is honored to announce its award winners for 2005.

UREY MEDAL TO NAVROTSKY

EAG awards the Urey Medal every year to outstanding senior scientists for their lifelong contribution to geochemistry. The Urey Medal is now given every year during the Goldschmidt Conference.



The 2005 Urey Medalist is Alex Navrotsky, who currently holds the Edward Roessler Chair in Mathematical and Physical Sciences at the University of California, Davis, USA. Alex received her bachelor's, master's, and PhD from the University of Chicago. She subsequently held positions at Arizona State University and Princeton University before joining the faculty of the University of California in 1997. Her research interests have centered on relating microscopic features of structure and bonding to macroscopic thermodynamic behavior in minerals, ceramics, and other complex materials. She has made contributions

to mineral thermodynamics; mantle mineralogy and high-pressure phase transitions; silicate melt and glass thermodynamics; order-disorder in spinels, framework silicates, and other oxides; ceramic processing; oxide superconductors; nanophase oxides, zeolites, nitrides, and perovskites; and the general problem of structure–energy–property systematics. She has published over 480 scientific papers. Honors include an Alfred P. Sloan Fellowship (1973), the Mineralogical Society of America Award (1981), election as American Geophysical Union Fellow (1988), Vice-President (1991–1992) and President (1992–1993) of the Mineralogical Society of America, and election as Geochemical Society Fellow (1997). She was elected to the National Academy of Sciences in 1993. In 1995 she received the Ross Coffin Purdy Award from the American Ceramic Society and was awarded the degree of Doctor Honoris Causa from Uppsala University, Sweden. In 2002 she was awarded the Benjamin Franklin Medal in Earth Science.

Past Urey Medalists are Harold C. Helgeson (2004), Nicholas Shackleton (2003), Grenville Turner (2002), Keith O'Nions (2001), Donald DePaolo (2000), John Edmond (1999), Jean-Guy Schilling (1998), Geoffrey Eglington (1997), Samuel Epstein, Robert N. Clayton and Hugh P. Taylor Jr. (1995), and Wallace S. Broecker and Hans Oeschger (1990).

HOUTERMANS MEDAL TO HODSON

EAG awards the Houtermans Medal to outstanding young scientists for their contribution to geochemistry. The candidates must be no more than 35 years of age at the time the award is given.



The 2005 Houterman Medalist is Mark Hodson. Dr. Hodson is currently a senior lecturer in the Soil Science Department of the University of Reading, United Kingdom. Mark completed his PhD at the University of Edinburgh. Subsequently he spent three years studying mineral weathering and acid rain as a postdoctoral scientist at the Macaulay Land Use Research Institute in Aberdeen. Then following a stint at the Natural History Museum in London, he moved to the Soil Science Department of the University of

Reading in 2000. He sits on the general council and the committee of the Applied Mineralogy Group of the Mineralogical Society of Great Britain. Additionally he served as secretary of the EAG and as an associate editor of *Environmental Pollution*. Mark is a research associate at the Natural History Museum and a visiting lecturer at University College, London. Mark's research is focused on low-temperature mineral–fluid interactions, and in particular the rates and mechanisms of the dissolution of silicate minerals in soils, the determination of metal toxicity/bioavailability to soil macro-invertebrates, and the remediation of metal-contaminated soil. He has published over 30 articles in top-ranked geochemical journals.

Past Houterman medal winners are Albert Galy (2004), Jess F. Adkins (2003), Gleb Prokrovsky (2000), Eric Hauri (1999), Terry Plank (1998), Ken Farley (1997), Marc Chaussidon (1995), and Michel Condomines (1990).

Gast Lectureship

EAG and the Geochemical Society (GS) jointly name the Gast Lectureship. The Gast Lectureship is normally awarded for outstanding contributions to geochemistry to someone who is not more than 45 years of age.

This year's Gast Lecturer is Eric H. Oelkers of the CNRS and the Université Paul Sabatier in Toulouse, France. Eric received his bachelor's degree at the Massachusetts Institute of Technology before completing his PhD at the

University of California, Berkeley. His research is primarily focused on quantifying the rates and consequences of water–rock interaction. Over the past several years he has served as associate editor of *Geochimica et Cosmochimica Acta*, editor of *Chemical Geology*, director of the *Geochemical Society*, treasurer and council member of the EAG, and editor of four special volumes including the 2005 *Chemical Geology* Special Issue "Geochemical Aspects of CO₂ Sequestration."

New Geochemical Fellows

EAG and the Geochemical Society (GS) award the honorary title Geochemistry Fellow to outstanding scientists who have made major contributions to the field of geochemistry. The scientists named as Geochemical Fellows for 2005 are:



NICHOLAS T. ARNDT is recognized for his seminal work on komatiites: ultramafic lavas that erupted primarily in the Archean era and provide first-hand information about the temperature and composition of Earth's early mantle. Throughout his career, Dr. Arndt has provided a rare integration of detailed field work, petrology, and isotope and trace element geochemistry that has served to bridge the gap between geodynamics, geochemistry, and petrology to illuminate the differentiation and origin of komatiites, and from this, the nature of the early Earth. Dr. Arndt received his PhD at the University of Toronto in 1975 and has held a number of research posts in the USA, Canada, Germany and France, where he took up his present position at the Université Joseph Fourier, Grenoble, in 1991.



STEIN B. JACOBSEN is recognized for his fundamental insights into geo- and cosmochemistry. These include (but are not limited to) defining the Sm–Nd evolution of chondritic meteorites, development of transport models for crust–mantle evolution, modeling Sr and Nd isotopic constraints on crustal growth and recycling, establishing the Sr and Nd isotopic signatures of the oceans through much of Earth history, pioneering work on the ^{182}Hf – ^{182}W system in meteorites, and subse-

quent constraints on core–mantle differentiation and the accretion history of the Earth. Dr. Jacobsen received his PhD from the California Institute of Technology in 1980 and joined the Harvard faculty in 1981.



STUART G. WAKEHAM is recognized for his fundamental contributions towards understanding the source and cycling of organic matter in aquatic environments and for his outstanding cooperation and collaboration within the geochemical community, including the mentoring of young scientists. A hallmark of Dr. Wakeham's research is his development of state-of-the-art analytical methods for the analysis of organic matter in natural environments. A highlight of his work has been the elucidation of the sources and fates of lipids in the ocean water column and sediments. Dr. Wakeham obtained his PhD from the University of Washington in 1976 and, after a two-year postdoc at the Swiss Federal Institute of Technology, spent nine years as a research scientist at the Woods Hole Oceanographic Institute before moving to the Skidaway Institute of Oceanography in 1987.



LYNN M. WALTER is recognized for her seminal contributions to understanding low-temperature water–rock interactions and for her education and mentoring of a large number of young geochemists. Highlights of her work include ground-breaking papers on mineral dissolution kinetics, the origin of dolomite, weathering of carbonate rocks, and the origin and composition of waters and gases in sedimentary basins. Dr. Walter received her PhD from the University of Miami (Florida) in 1983 and spent five years at Washington University before moving to her current position at the University of Michigan.

EAG NEWS AND ANNOUNCEMENTS

Geofluids now available to EAG members at a discount rate

The European Association for Geochemistry is proud to announce special EAG member subscription rates to the journal *Geofluids*. Published by Blackwell Publishing, *Geofluids* provides an international forum for original research into the role of fluids in the mineralogical, chemical, and structural evolution of the Earth's crust. *Geofluids* emphasizes both chemical and physical aspects of subsurface fluids throughout the Earth's crust (although excluding silicate melts). It spans studies of groundwater, terrestrial or submarine geothermal fluids, basinal brines, petroleum, metamorphic waters, and magmatic fluids, but requires that the studies be related to processes that are significant on a geological time scale. Examples of areas covered include, but are not restricted to: the composition and origins of geofluids; the hydrodynamics of sedimentary basins, the chemical or physical behavior of geofluids in porous or fractured rocks; the geochemistry of dissolu-

tion, transport, and precipitation by fluids; and fluid flow accompanying metamorphism.

Subscriptions for EAG members include both the printed version and access to the online version of the journal. Current rates are US\$70 for members residing in North America, 57 Euros for Europeans residing in the Euro Zone, £38 for members residing in Great Britain, and £42 for members residing in the rest of the world. These subscription rates are about 60% of the regular personal subscription rates, charged to non-EAG members.

To claim the rate, you just need to register as an EAG member when you take out a subscription on the *Geofluids* subscription web page: www.blackwellpublishing.com/subs.asp?ref=1468-8115

Please send any potential items for inclusion in future 'EUROPEAN GEOCHEMICAL NEWS BRIEFS' to either Eric Oelkers (oelkers@lmtg.obs-mip.fr) or Mark Hodson (m.e.hodson@reading.ac.uk).

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