

## THIS ISSUE

Mineral evolution, an elegant concept first introduced by Bob Hazen and coauthors in a 2008 article published in *American Mineralogist*, expresses how Earth's mineral inventory has changed over time. The notion seems to provide one of those wonderful "ideas" that allow us to reach out to a wider audience. Guest editor Hazen recounts that after publication of the 2008 article he was contacted by numerous journalists from all over the world, resulting in many TV and radio interviews and newspaper and science magazine articles.

## WELCOMING

## Tim Drever Principal Editor



This issue marks the official start of Tim Drever's term of office as a principal editor, although Tim has been involved in all our e-mail discussions and conference calls since July, 2009.

James I. (Tim) Drever is a native of Scotland. He received his undergraduate training in chemistry at the University of Cambridge and earned a PhD in geochemistry from Princeton. He spent three years at the Scripps Institute of Oceanography, where he worked on early diagenesis of clay minerals and on the Apollo lunar samples. He then moved to the University of Wyoming, where, except for sabbatical periods in Switzerland, France, and Germany, he has spent the rest of his career. He is now a Distinguished Emeritus Professor. Tim's main research interests are in the chemistry of groundwater and surface waters, with a particular emphasis on weathering processes and the impact of mining operations. A focus of his research has been bridging the gap between laboratory-scale experiments and what actually happens in the field. He is the author of the textbook *The Geochemistry of Natural Waters*. He served as editor-in-chief of *Chemical Geology* from 1995 to 2001 and has been an associate editor of *Geochimica et Cosmochimica Acta* and *Geochemical Journal* (Japan). He is a fellow of both MSA and GSA and was president of the Geochemical Society in 2004 and 2005, a critical time during the establishment of our magazine.

Tim comments that "*Elements* has been very successful in producing a magazine that is fun to read and addresses topics that are of wide interest within our community. It is having a real impact. I look forward to continuing this tradition and, in particular, to addressing topics of societal importance where *Elements* can play a role in educating the public and decision makers."

## Goldhaber and Yardley Triple Point Coordinators

Since volume 1, issue 1, *Elements* has published Triple Point, which contains opinion pieces about different aspects of our science (teaching, publishing, historical notes, etc.), our societies, funding, policy, and political issues. Peter Heaney acted as Triple Point coordinator for the first three years and Rod Ewing took over for the next two. When Rod informed us that he would like to be replaced at the end of 2009, we decided to split the position. We are pleased that Bruce Yardley and Marty Goldhaber have accepted our invitation. Both are Earth scientists well connected in the geosciences community, interested in issues affecting our community and our science, and recognized as talented writers. Each will provide three columns a year, with one of these being an invited contribution.



Marty Goldhaber is a Senior Scientist at the USGS, where he received the Department of the Interior Meritorious Service and Presidential Rank awards. He has been a member of the Geochemical Society since 1972 and has been involved in that

society in a number of roles, including his current position as past president. He is a fellow of the Geological Society of America and the Society of Economic Geologists. He has served on the editorial boards of *Economic Geology*, *American Journal of Science*, and *Geochimica et Cosmochimica Acta* and on advisory boards for the Geological Society of America, the Ocean Drilling Program, NASA, and NSF. He is the author or coauthor of approximately 100 refereed publications and over 100 published abstracts.



Bruce Yardley is a professor of metamorphic geochemistry at the University of Leeds. He obtained his PhD and DSc from Bristol University. His research interests concern the interactions of rocks with fluids in varied crustal settings and, in particular, the develop-

ment and application of new techniques for the analysis of fluid inclusions. In addition to studying metamorphic fluids, he has worked on fluids in ore deposits and in oilfields. Bruce has written a textbook and a picture atlas of metamorphic rocks. He has been active in several societies and is a past president of the European Association of Geochemistry. You can read his first Triple Point article on the following page.

## Dutrow Chair of Executive Committee



*Elements'* Executive Committee, which consists of representatives from each of the participating societies, recently elected Barb Dutrow to serve a two-year term as its new chair. She succeeds Rod Ewing, whom we thank for his extraordinary service. For the past two years, Barb has served as the MSA representative. Her commitment to the mineralogy-petrology-geochemistry community also includes serving as the 2007 MSA president and on various committees of the Geochemical Society, GSA, AGU, and IMA. She was also an Alexander von Humboldt Fellow in Germany, where she interacted with many European colleagues. Her research focuses on elucidating the thermal evolution of metamorphic terrains through combining computational modeling with field and mineral chemical studies. She is the Adolphe Gueymard Professor at Louisiana State University. Her e-mail address is dutrow@lsu.edu.

## ELEMENTS AT IMA 2010

IMA 2010, which will be held in Budapest from August 21 to 27 ([www.ima2010.org](http://www.ima2010.org)), will present a series of *Elements* plenary lectures, one each day of the conference, to underline *Elements'* 5<sup>th</sup> anniversary of publication. Principal Editor David Vaughan and Past Principal Editor Ian Parsons have assembled a great cast of authors and guest editors from previous issues of *Elements* to act as speakers.

Sunday – Eva Valsami-Jones  
(Phosphates, v4n2)

Monday – Rodney C. Ewing  
(Nuclear Fuel Cycle, v2n6)

Tuesday – Nigel M. Kelly  
(Zircon, v3n1)

Wednesday – Mihály Pósfai  
(Mineral Magnetism, v5n4)

Thursday – Nita Sahai  
(Medical Mineralogy, v3n6)

Friday – Glenn A. Waychunas  
(Nanogeoscience, v4n6)

**David Vaughan, Hap McSween,  
Susan Stipp, Tim Drever,  
and Pierrette Tremblay**