



# Association of Applied Geochemists

[www.appliedgeochemists.org](http://www.appliedgeochemists.org)

## AAG COUNCILLORS 2012–2013

This year, the Association welcomes two new and four second-term (\*) councillors for 2012–2013: Alejandro Arauz, Rob Bowell\*, Bill Burstow, Bruno Lemière\*, Ryan Noble\*, and Todd Wakefield\*.



**Alejandro Arauz** has over 25 years of experience in the mineral and environmental sectors in Latin America. He received a BSc degree in geology from the Universidad de Costa Rica, an MSc degree in geology from the Colorado School of Mines, and an MBA in natural resources from INCAE. Alejandro is a professor at the Universidad de Costa Rica.



**Rob Bowell** has a PhD in geochemistry from Southampton University and has worked as a geochemist in academia, in the mining industry, and, since 1995, for SRK Consulting. Rob has represented AAG as a councillor for Europe, the manager of *EXPLORE*, a general member of Council, vice president, and president in 2006–2007.



**Bill Burstow** received a BSc in geology from McMaster University (1970) and has many years of experience in the mining industry and as a consultant in North America. He has also managed reconnaissance and development programs in Central and South America, West and East Africa, and western Asia.



**Bruno Lemière** holds an MSc in industrial and analytical chemistry (1978) from the Lyon Chemistry School and a PhD (1982) in geology and geochemistry from the University of Lyon. As a geochemist at the BRGM (French Geological Survey), he has worked in Europe, Saudi Arabia, India, Egypt, Turkey, Romania, Greece, and Tanzania.



**Ryan Noble** received a BSc and an MSc from the University of Tennessee and a PhD from Curtin University of Technology (2007). He is a research scientist and laboratory manager at CSIRO in Perth, Western Australia. He has worked on geochemical research with applications in the exploration industry and environmental management.



**Todd Wakefield** received a BSc in geology from the University of Redlands (1986) and an MSc in geology from the Colorado School of Mines (1989). His work in the exploration industry and an international engineering services company has taken him to North America, South America, Southeast Asia, and Australia.

For more details, see the March 2012 issue of *EXPLORE* (volume 154) at [www.appliedgeochemists.org](http://www.appliedgeochemists.org).

**David B. Smith** ([dsmith@usgs.gov](mailto:dsmith@usgs.gov))  
United States Geological Survey

## NEWS FROM AAG REGIONAL COUNCILLORS

### Great Britain and Ireland

The British Geological Survey (BGS) recently published the BGS Risk List 2011 ([www.bgs.ac.uk/downloads/start.cfm?id=2063](http://www.bgs.ac.uk/downloads/start.cfm?id=2063)), which is an independent and authoritative assessment of the current world resource situation. It gives a quick indication of the relative risk to the supply of commodities needed to maintain our economy and lifestyle. The list highlights economically important metals that are at risk of supply disruption and also shows the importance of China in the production of many commodities.

The rise in commodity prices has also stimulated more activity in mineral exploration and mining in the UK. Gold, tin, and tungsten projects, for instance, the Tyndrum gold mine (Scotland), Dolgellau goldfields (Wales), the Hemerdon mine (Devon) and the South Crofty tin mine (Cornwall), are set to benefit from this situation.

A major new regional geochemical baseline survey of the northern border region of the Republic of Ireland is under way. The Geological Survey of Ireland is leading the geochemical aspects of the Tellus Border project ([www.tellusborder.eu](http://www.tellusborder.eu)), which integrates regional geochemical and geophysical surveys. Following established sampling methodologies, collection of soil, stream sediments, and stream waters is ongoing, with around 1000 sites sampled to date.

**Neil Breward** ([nbr@bgs.ac.uk](mailto:nbr@bgs.ac.uk))  
British Geological Survey

## RECENT ARTICLE PUBLISHED IN EXPLORE

PATRICE DE CARITAT (2011) Continental geochemical survey opens up fresh avenues for mineral exploration and natural resource management in Australia. *EXPLORE* 153 (December 2011)

A new continental-scale geochemical atlas of Australia, a series of reports, and a large geochemical dataset were officially released into the public domain at the end of June, 2011. The National Geochemical Survey of Australia (NGSA) project, which was carried out in collaboration with the geoscience agencies from every state and the Northern Territory between 2006 and 2011, fills a huge knowledge gap relating to the geochemical composition of surface and near-surface materials in Australia. Better understanding the concentration levels and spatial distributions of chemical elements in the regolith has profound implications for mineral exploration, as well as for natural resource management.

**Patrice de Caritat**  
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Geoscience Australia

## A CALL FOR LABORATORY SUPPORT...

The Association of Applied Geochemists (AAG) invites analytical laboratories to participate in pairing their analytical facilities with student projects to develop emerging geochemists and their science. The AAG Education Committee is seeking analytical laboratories to offer in-kind support to students in terms of analysis, while receiving acknowledgement on AAG's website and in the Association's *EXPLORE* newsletter.

If your laboratory is interested in learning more about this program, please contact the Chair of AAG's Education Committee, Erick Weiland [ErickWeiland@Terra-Technology.com](mailto:ErickWeiland@Terra-Technology.com)

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