



Mineralogical Association of Canada

www.mineralogicalassociation.ca



GAC-MAC ST. JOHN'S, MAY 27-29, 2012: MARK THE DATE

The year 2001 was the last time the Geological Association of Canada and the Mineralogical Association of Canada (GAC-MAC) annual meeting was held in Newfoundland. It was my very first time in Newfoundland, and I fell under the spell of the youngest province of Canada, aka The Rock, as most of its visitors do. Still vivid in my mind are the memories of the hospitality of its people, the pride of the Earth science community in hosting the meeting, the fine houses in St. John's, a wonderful boat trip to see the puffins, the good food, the music scene, and the pubs on George Street. So I am looking forward to the 2012 meeting, and I extend an invitation to all to attend this medium-sized meeting; about 1200 registrants are expected. The local organizing committee, under the chairmanship of Alana Hinckley and MAC representative Steve Piercy, has concocted an exciting technical program, including 2 short courses and an especially attractive program of field trips (7 day trips and 11 pre- and postconference trips, 3 to 5 days in length).



Social highlights will include an **Evening Banquet** of fine dining and memorable Newfoundland entertainment. Special events will include a **Lobster Feast**—a chance for lobster lovers to enjoy the finest that the North Atlantic has to offer—and a **Pub Night**, providing an opportunity to enjoy the sights and sounds of historic downtown St. John's.

The accompanying guest program includes a boat tour highlighting North America's oldest European settlement; Cape Spear Lighthouse and whale-watching tours; a day tour of the communities of the northeastern Avalon Peninsula; and a visit to the Bell Island Mine, once the world's largest submarine iron ore mine. The end of May is a fine time to tour this Atlantic province, so consider extending your visit after the conference.

A sampling of special sessions and field trips on offer is presented below, but make sure to view the full program at www.stjohns2012.ca.

See you there!

Pierrette Tremblay

A Sampling of the Program

Field Trips

- NEOPROTEROZOIC EPITHERMAL GOLD MINERALIZATION OF THE NORTHEAST AVALON PENINSULA – Greg Sparks
- ENVIRONMENTAL AND URBAN GEOLOGY OF THE ST. JOHN'S AREA – Norm Catto
- ACCRETED TERRANES OF THE APPALACHIAN OROGEN IN NEWFOUNDLAND: IN THE FOOTSTEPS OF HANK WILLIAMS (5 DAYS) – Cees van Staal, Alexandre Zagorevski
- VOLCANOGENIC MASSIVE SULPHIDE DEPOSITS OF THE APPALACHIAN CENTRAL MOBILE BELT (5 DAYS) – Steve Piercy, John Hinckley
- MEGUMA TERRANE REVISITED: STRATIGRAPHY, METAMORPHISM, PALEONTOLOGY, AND PROVENANCE (3 DAYS) – Sandra Barr, Chris White
- THE GRENVILLE PROVINCE OF SOUTHEASTERN LABRADOR AND ADJACENT QUÉBEC (5 DAYS) – Charlie Gower
- GEOTOURISM AND THE COASTAL GEOLOGIC HERITAGE OF THE BONAVISTA PENINSULA: CURRENT CHALLENGES AND FUTURE OPPORTUNITIES (3 DAYS) – Amanda McCallum, Sean O'Brien

Special Sessions and Symposia

- TECTONIC STYLE IN PRECAMBRIAN OROGENS: HOW FAR BACK IN TIME DO UNIFORMITARIAN PLATE TECTONIC PRINCIPLES WORK? – Toby Rivers, David Corrigan
- UNRAVELLING THE TECTONIC EVOLUTION OF DEEPLY EXHUMED OROGENS, WITH SPECIAL REFERENCE TO THE PROTEROZOIC GRENVILLE AND SVECONORWEGIAN OROGENS – Toby Rivers, Aphrodite Indares, Jenny Andersson, Bernard Bingen
- BUILDING THE NORTH AMERICAN CONTINENT: A PERSPECTIVE FROM PRECAMBRIAN BASINS – Andrey Bekker, Rob Rainbird, David Corrigan
- PROTEROZOIC MINERALIZATION: EXPLORING NI-CU, BIF, REE, AND U MINERALIZATION – Derek Wilton, Trevor MacHattie
- COLLISION TECTONICS AND TERRANES: THE APPALACHIAN-CALEDONIAN EXPERIENCE; THE HANK WILLIAMS MEMORIAL SYMPOSIUM – Cees van Staal, Steve Johnston
- VOLCANOGENIC MASSIVE SULFIDE (VMS) DEPOSITS OF THE APPALACHIAN-CALEDONIAN OROGEN – Steve Piercy, Reg Wilson, Jim Walker, Sean McClenaghan
- GOLD METALLOGENY OF THE NORTH ATLANTIC BORDERLANDS – Hamish Sandeman, Kay Thorne
- UNCONVENTIONAL SHALE-GAS SYSTEMS – Joe Macquaker
- COLD-WATER CARBONATES: ANCIENT AND MODERN – Evan Edinger
- FACIES MODELS AND BEYOND – Peir Pufahl
- URBAN GEOCHEMISTRY – Trevor Bell
- IMPACT STRUCTURES ON THE LAND AND IN THE HEAVENS – James Whitehead
- GEOCHEMICAL EXPLORATION FOR RARE EARTHS AND RARE METALS – Stephen Amor
- METAL SOLUBILITY IN MINERALIZING FLUIDS AND ORE-FORMING SILICATE MELTS – Jacob Hanley, Zoltan Zajacz

Short Courses

- QUANTITATIVE MINERALOGY AND MICROANALYSIS OF SEDIMENTS AND SEDIMENTARY ROCKS – Paul Sylvester
- MINERAL DEPOSITS OF THE NORTHEAST APPALACHIANS AND NORTHEAST LAURENTIA: A NEWFOUNDLAND AND LABRADOR PERSPECTIVE – Derek Wilton, John Hinckley

2011 AWARDS

The Mineralogical Association of Canada presented most of its 2011 awards at its annual luncheon on May 26 during the GAC-MAC annual meeting in Ottawa. The Peacock Medal was presented during the meeting's gala evening. We reproduce excerpts of citations below.

Martin A. Peacock Medal to Daniel J. Kontak

The Peacock Medal, the highest honor bestowed by the Mineralogical Association of Canada, was awarded to Daniel J. Kontak for his contributions to the field of mineral deposits geology. From 1986 to 2006, Dan was employed as a mineral deposits geologist for the Nova Scotia Department of Natural Resources. In 2006 he moved to Sudbury, Ontario, to take up a faculty position as an economic geologist at Laurentian University, where he currently teaches and conducts research. Dan's research interests are varied, but his forte is in mineral deposit geology. He has demonstrated expertise in integrating data from geochemistry, igneous petrology, structural geology, ore petrology, geochronology, stable isotope geochemistry, mineral chemistry, and fluid inclusion research to solve some of the most complex and significant problems in ore deposits research, most recently the origin of pegmatites and their associated fluids. Daniel's contributions are eloquently expressed in over 160 scientific papers and 15 short course presentations on mineral deposit modeling. He has received the MAC Hawley Medal twice, once in 1990 for his research on the East Kemptville topaz-muscovite leucogranite, and again in 2002 for his contribution to understanding the petrogenesis of peraluminous aplite sheets, which are ubiquitous throughout Earth history. Daniel is committed to the well-being of our science, as demonstrated by editorships for the Canadian Institute of Mining and Metallurgy, *Atlantic Geology*, *The Canadian Mineralogist*, and *Economic Geology* and by his involvement in the Mineralogical Association of Canada.

Young Scientist Award to David A. Fowle

The Young Scientist Award is presented to a young scientist who has made a significant international research contribution in a promising start to a scientific career. The 2011 award was presented to David A. Fowle.

David burst onto the stage of geochemical research with three papers arising from his undergraduate studies at the University of Western Ontario (completed in 1996). This was followed by highly productive graduate work at the University of Notre Dame (PhD in 2000), a postdoctoral fellowship at the University of Wisconsin-Madison, and his appointment to a faculty position at the University of Windsor (2001). He was awarded a Tier 2 Canada Research Chair in 2002, which he held until 2006 when he moved to a faculty position at the University of Kansas. David has more than 30 refereed publications in his research theme of the microbiologic controls on geochemical and ecological patterns and processes. His initial research was in the laboratory, but as his work matured, he has increasingly focused on the natural environment. He is a multidisciplinary scientist who is comfortable working in collaborative environments. David is an accomplished experimentalist, a field scientist, and an exceptional research team leader and teacher. He is emerging as a leader in the study of the interaction of biota with minerals and other natural solid phases, a field that is important for understanding and mitigating anthropogenic impacts on Earth's surface. David Fowle is richly deserving of the Mineralogical Association of Canada's Young Scientist Award.

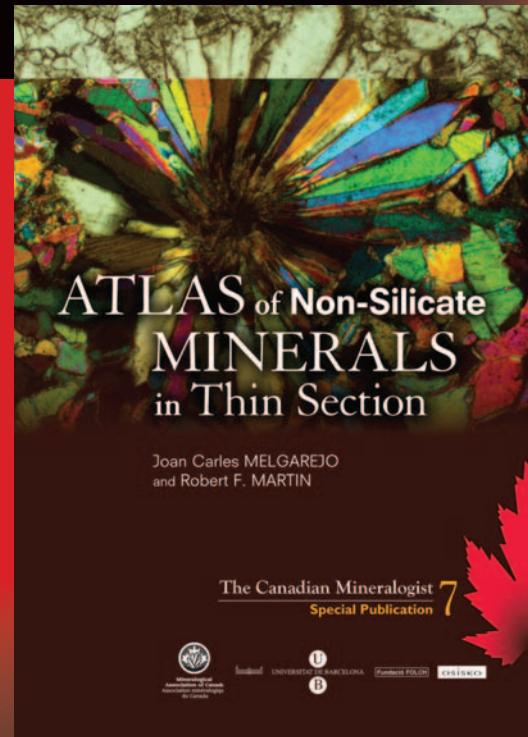
The Hawley Medal to Joel D. Grice for the best paper published in The Canadian Mineralogist in 2010

Grice JD (2010) The role of beryllium in beryllosilicate mineral structures and zeolite formation. *Canadian Mineralogist* 48: 1493-1518

Recognizing the mineralogical diversity, structural complexity, and technological importance of beryllosilicate minerals, and intent on improving upon past approaches, Joel D. Grice has developed a highly informative method for classifying beryllosilicate minerals. Fundamental building blocks are the key to

ordering knowledge of these complex structures, which in combination with vertex symbols and coordination sequences have shed new light on the structural relationships. Grice's study provides an exhaustive examination of beryllosilicate mineral topologies, as well as revealing illustrations and commentary. It provides new knowledge concerning topological densities and the frequency of topological rings across the series of structures. The paper will prove to be a seminal contribution to the mineralogy of this complex group. Joel Grice has been selected as the recipient of the 2010 Hawley Medal for the paper judged by a panel of peers to be the best published in *The Canadian Mineralogist* in 2010.

Joel Grice has been Curator of Minerals and Researcher at the Canadian Museum of Nature since 1976. In 1995, he was elected chairman, Commission on New Minerals and Mineral Names, IMA, and he held this position for two terms.

Hot off the press

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