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Mineralogical Association of Canada

NOMINATIONS TO COUNCIL FOR 2006

The Nominating Committee, headed by Dr. Norm Halden, submitted the following slate of candidates for 2006. In accordance with our by-laws, as no additional nominations were submitted, these candidates have been declared elected by acclamation. Their term of office started at the May council meeting. Our heartfelt thanks to outgoing councilors Cliff Shaw and André Lalonde, past president Norm Halden, and long-time treasurer Mati Raudsepp.



VICE PRESIDENT

Peter C. Burns received a BSc (honours) in geology from the University of New Brunswick in 1988, an MSc in geology from the University of Western Ontario in 1990, and a PhD in geology from the University of Manitoba in 1994. He began his studies of uranium minerals at the

University of New Mexico as a postdoctoral fellow in 1995 and 1996. He joined the faculty of the University of Notre Dame in 1997 and is currently professor and chair of the Department of Civil Engineering and Geological Sciences. Burns has authored or coauthored more than 200 journal papers concerning mineralogy and solid-state chemistry. He was awarded the Hawley Medal of the Mineralogical Association of Canada in 1997, the Young Scientist Award of the Mineralogical Association of Canada in 1998, the Donath Medal of the Geological Society of America in 1999, and the Mineralogical Society of America Award in 2001. He was a council member of the Mineralogical Association of Canada from 1998 to 2005, served as an associate editor of *The Canadian Mineralogist* from 1998 to 2004, served as an associate editor of *American Mineralogist* from 2001 to 2005, is a member of the Advisory Board of *Elements*, and was the editor of *Reviews in Mineralogy* volume 38 in 1999. He is married to Tammy, and they have a son, Kelson Owen, and a daughter, Sarah Victoria.



TREASURER

Martine M. Savard graduated from Laval University in geological engineering in 1983 and obtained her master's degree in 1986 from Laval University. She received her PhD in 1991 from the University of Ottawa, where she specialized in stable isotope geochemistry. She joined the

Geological Survey of Canada (GSC) in 1990 and applied her expertise in carbonate petrography and geochemistry to the study of dolomitization in the context of carbonate-hosted Pb-Zn deposits. In 1997, she became leader of large projects dealing with environmental issues. These projects concerned the sustainable development of groundwater resources in the St. Lawrence Lowlands of southwestern Quebec and the distinguishing of natural and anthropogenic metal accumulations in the vicinity of smelters using trees as archival systems. Martine is pursuing her research on the sustainable development of groundwater, but recently she has begun working on climate change issues, including paleoclimate reconstruction and evaluation of the impact of atmospheric pollutants on CO₂ uptake by exposed forest stands.



SECRETARY

David Fowle completed his PhD in 1999 in the field of biogeochemistry at the University of Notre Dame. He then moved on to a postdoctoral fellow position at the University of Wisconsin–Madison from 1999 to 2000. After spending five years at the University of Windsor, where he was appointed Canada Research Chair in biogeochemistry, David moved in 2006 to the Department of Geology at the University of Kansas. David's research interests include quantitative geochemical modeling of bacteria–metal sorption reactions, biomineralization and its effects on contaminant mobility in the subsurface, bioavailability of trace metals in aquatic ecosystems, microbially promoted mineral dissolution, and biogeochemical interactions in wetlands and soil systems.



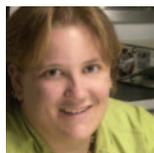
COUNCILORS

Marc Constantin received a BSc and an MSc in geology from Université Laval and obtained a PhD in marine geosciences from the Université de Bretagne Occidentale, France. He was a postdoctoral fellow at the University of Toronto and at Laurentian University and was appointed assistant professor at Université Laval in 2000. His research interests include the petrology, geochemistry, and metallogenesis of magmatic Ni–Cu–PGE deposits in mafic–ultramafic intrusions. He has also worked on the petrogenesis of crustal and mantle rocks at mid-ocean ridges and in ophiolites. He has set up a neutron activation laboratory for the determination of trace amounts of Au, Ir, Ni, Cr, REE, Hf, Ta, Th, and several other elements. Marc was the 2005 president of the Quebec section of the CIMM, where he has been particularly active at providing opportunities for students to interact with professionals from the public and private sectors.



James Mungall graduated with a BSc in geology from the University of Waterloo. He did his MSc and PhD in igneous petrology under Robert Martin's guidance at McGill University, studying the petrogenesis of shoshonitic intrusions in the Grenville Province and, later, of peralkaline ocean island rhyolites in the Azores.

Six years of attempting to answer questions about magmatic processes by looking at old rocks convinced him that he should try to understand magma chemistry and physics in the laboratory. After two years of experimental investigations of the transport properties of silicate melts at the Bayerisches Geoinstitut in Germany, Jim found himself back in Canada in the summer of 1996 looking for nickel deposits in northern Quebec. In 1999, Jim found a place where he could combine his passion for field work with experimental petrology and teaching at the University of Toronto.



Paula Piilonen received her BSc (Honours) in 1993 from Laurentian University and her PhD (in mineralogy) in 2001 from the University of Ottawa. After her PhD studies, she completed an NSERC-funded postdoctoral fellowship at the Laboratoire des géomatériaux, Université de Marne-la-Vallée, France, in 2002. Paula is currently working as a research scientist in the Mineral Sciences Division at the Canadian Museum of Nature. Her research is focused on the mineralogy, petrology, and geochemistry of alkaline igneous and hydrothermal systems. Paula is a regular sessional lecturer in the Department of Earth Sciences at the University of Ottawa, where she teaches second- and fourth-year mineralogy courses. She is also the New Mineral Editor for *American Mineralogist*, the Canadian representative on the IMA's Commission on Museums, and co-chair of the 2008 Canada-Wide Science Fair Host Committee.



James Scoates received his BSc (Honours) from Queen's University in 1987 and his PhD from the University of Wyoming, USA, in 1994. In 1995, he took up a professorship at the Université Libre de Bruxelles in Brussels, Belgium, where he taught for seven years in the Département des Sciences de la Terre et de l'Environnement. Since 2002, James has been an associate professor in the Department of Earth and Ocean Sciences at the University of British Columbia. He also plays a major role in managing the Pacific Centre for Isotopic and Geochemical Research. The research interests of James and his students are focused on better understanding the differentiation processes in silicate magmas and how they affect magma compositional variability, magma dynamics, and mineralization potential.

THE MINERALS OF CANADA POSTER

The bilingual *Minerals of Canada* poster is the latest outreach project of the Mineralogical Association of Canada. Printed last September, it looks simple enough: a poster with pretty mineral pictures. But in fact, this poster is the result of an extraordinary collaboration of outreach activists and museum curators. Several generations of mock-ups were developed to reach the final version, which shows the minerals surrounding a schematic map of Canada. The project started in 2001 when MAC was encouraged by Jerome Remick III to develop a Canadian minerals poster targeting K-12 school children and their teachers. Jerry had developed a beautiful mineral poster for Quebec a few years before, and he felt that we needed one for Canada and that the Mineralogical Association of Canada was the group to do it. He also encouraged us to submit a proposal for funding to the Canadian Geological Foundation.

Common rock-forming minerals, mineral emblems of the provinces and territories, and attractive well-formed crystals were chosen to illustrate the mineral wealth of Canada. The poster illustrates minerals representative of each province, minerals of economic significance to the provinces, and minerals from key collecting localities. Pictures were provided by the Canadian Museum of Nature, the Royal Ontario Museum, the Ministère des Ressources naturelles et de la Faune du Québec, the Atlantic Geoscience Society, and several companies and individuals. Members of the Canadian Geoscience Education Network (CGEN), museum curators, council members of the Mineralogical Association of Canada, and teachers were consulted extensively to define the content.



Even though nothing will ever replace the excitement of handling real minerals in the classroom (we encourage all teachers to get a mineral collection for classroom activities), we hope that our poster will spark interest and be used as a tool for introducing the unit on rocks and minerals in the classroom.

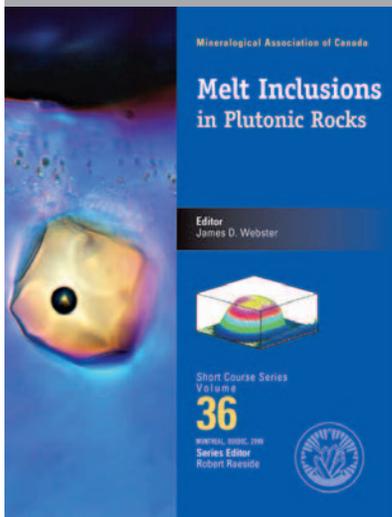
More than 15,000 copies have been distributed to teachers and their students via outreach

groups across the country, such as the EdGEO workshops and the Mining Matters program of the Prospectors and Developers Association. A web page offers complementary information at www.mineralogicalassociation.ca/poster.

Pierrette Tremblay

MELT INCLUSIONS IN PLUTONIC ROCKS

MINERALOGICAL ASSOCIATION OF CANADA SHORT COURSE VOLUME 36



ISBN 0-921294-36-0
248 pages
US\$40 (outside Canada)
CAN\$40 (in Canada)

EDITOR
James D. Webster

Short course volume 36 provides an accurate account of the current state of knowledge about melt inclusions in plutonic rocks. The volume discusses means to ensure high-quality melt inclusion research, provides practical methods to evaluate and investigate melt inclusions, describes important new analytical techniques and useful examples of their application to natural systems, and summarizes current understanding of plutonic systems ranging from basaltic to rhyolitic in composition.

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