



Mineralogical Association of Canada

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2013 AWARDS

The following awards were presented at the annual luncheon of the Mineralogical Association of Canada on May 23, in Winnipeg, Manitoba, during the annual joint meeting of the Geological Association of Canada and the Mineralogical Association of Canada.

Peacock Medal Awarded to David R. M. Pattison



David R. M. Pattison of the University of Calgary is the 2013 winner of the Martin A. Peacock Medal, the highest honor bestowed by the Association. He is recognized for his major contributions to metamorphic petrology, including the contact/low-pressure metamorphism of pelites, the location of the aluminosilicate triple point in pressure-temperature space, geothermometry in granulites, the metamorphism of ore minerals and ore deposits, and, most recently, the kinetics of metamorphic reactions.

David (Dave) Pattison is a professor in the Department of Geoscience at the University of Calgary, where he specializes in metamorphic petrology. He graduated with a BSc in geology from Queen's University, Kingston, Ontario, in 1980 and, following a year at the University of British Columbia, completed his PhD at the University of Edinburgh in 1985. He spent the next two years as a postdoctoral fellow at the University of Chicago and, in 1987, was hired by the University of Calgary. The objectives of his research are twofold: to improve the specialized "tools of the trade" of metamorphic petrology, in particular phase equilibria and the interplay between equilibrium and kinetics in metamorphic processes, and to apply these techniques in addressing broad problems in Earth science in the fields of tectonics, ore deposits, geochronology, metamorphosed ore deposits, and the thermotectonic evolution of orogenic belts in Canada.

2013 Young Scientist Award to Kimberly T. Tait



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Kimberly T. Tait, curator of mineralogy at the Royal Ontario Museum, is the 2013 winner of its Young Scientist Award. "Kim is an outstanding candidate for this prestigious award as she is a young, Canadian-born mineralogist, extremely active in the Canadian community, with proven and growing international research impact."

Kimberly (Kim) Tait completed her honours undergraduate degree in geological sciences at the University of Manitoba in 1999. She stayed at the University of Manitoba to work with Frank Hawthorne on her MSc project, graduating in 2002. She then moved to the University of Arizona / Los Alamos National Laboratory to work on neutron diffraction of gas hydrates for her PhD. She was hired in 2007 by the Royal Ontario Museum. When she arrived, the largest corporate donation ever given to the museum had just been announced, and she worked tirelessly with her new group to open the permanent Teck Suite of Galleries: Earth Treasures in December 2008. In the spring of 2012, she was promoted to full curator. She also leads a research program employing diffraction and spectroscopy techniques to characterize phosphate minerals and related phases in terrestrial and extraterrestrial materials. Kim is also cross-appointed to the Department of Earth Sciences at the University of Toronto, where she teaches introductory geology and mineralogy courses.

Hawley Medal to Bronislava Lalinská-Voleková and coauthors



The Hawley Medal is awarded to the authors of the best paper to appear in *The Canadian Mineralogist* in a given year. This year's award was presented to **B. Lalinská-Voleková, J. Majzlan, T. Klimko, M. Chovan, G. Kučerová, J. Michňová, R. Hovorič, J. Göttlicher and R. Steininger** for their paper "Mineralogy of weathering products of Fe-As-Sb mine wastes and soils at several Sb deposits in Slovakia" (*Canadian Mineralogist* 50: 481-500).

The Hawley Award Committee was impressed with the meticulous detail with which the study was conducted and the thought-provoking nature of the discussion and conclusions reached. Studies into the mobility of heavy metals in soils and mine wastes are becoming increasingly on everyone's agenda. In this study, Lalinská-Voleková et al. highlighted the important role that mineralogy plays in understanding, modeling and predicting the ultimate fate of heavy metals in the environment.

First author **Bronislava Lalinská-Voleková** studied geology with specialization in mineralogy at the Comenius University, Faculty of Natural Sciences, in Bratislava, Slovakia, and completed her master's thesis on the hydrothermal mineralization of two Sb deposits in Slovakia in 2003. Her PhD dissertation, *A Mineralogical and geochemical study of contamination sources and a remediation project at the abandoned Sb deposit Pezinok – Kolársky vrch*, was submitted and defended in 2009. Later, she worked as a coordinator and scientist on a project dealing with contamination generated by antimony mining in Slovakia. The paper that merited the Hawley Medal is based on her PhD work and the results obtained in the later project. Since 2010, she has been employed in the Department of Mineralogy and Petrology at Comenius University. Her scientific interests have extended to the study of secondary minerals influencing toxic-element migration at Cu deposits and areas contaminated by coal-combustion ashes.

WELCOMING NEW COUNCILLORS

Three new councillors started their term of office at the annual Council meeting held in Winnipeg. We welcome them to Council.



Roberta L. Flemming received her BSc (1985) in chemistry and geology from Brock University and her MSc (1990) and PhD (1997) from the Department of Geological Sciences and Geological Engineering at Queen's University, Kingston. After a Killam Postdoctoral Fellowship at the University of Alberta and a one-year faculty-replacement position at Queen's, she became a professor in the Department of Earth Sciences at the University of Western Ontario (2000), where she teaches mineralogy and is the director of the powder X-ray diffraction and micro-X-ray diffraction facility. She is also a principal investigator of the Astromaterials Training and Research Opportunities (ASTRO) Cluster, funded by the Canadian Space Agency. Dr. Flemming studies a variety of mineralogical and geological problems using a combination of crystallography, mineral chemistry and spectroscopy. She is currently investigating the mineralogy of meteorites and kimberlites, with an aim toward developing micro-X-ray diffraction as a tool for geologists.



Heather Jamieson grew up in Noranda, Quebec, and studied geology at the University of Toronto (BSc) and Queen's University, Kingston (PhD). She held a postdoctoral fellowship at the Geological Survey of Canada. Heather is now a full professor in the Department of Geological Sciences and Geological Engineering at Queen's University, Kingston. She also holds an appointment and teaches courses in the School of Environmental

Studies at Queen's. She has been a visiting fellow at Princeton University and the University of Cape Town. Heather's expertise is in the area of environmental geochemistry and mineralogy, particularly the mineralogical controls on the mobility of metals and metalloids (notably arsenic) in mine waste and the application of synchrotron-based X-ray experiments and other microanalytical methods to metal speciation in mine tailings, soils, sediments and household dust. Much of her fieldwork is in the Canadian Arctic, but she has also conducted research in Nova Scotia, California, Montana, Spain, and Australia.



Stephen Piercey obtained his BSc (Honours) and MSc from Memorial University of Newfoundland and a PhD from the University of British Columbia. From 2001 to 2008 he was an assistant professor (2001–2004) and associate professor (2004–2008) in the Mineral Exploration Research Centre (MERC) and Department of Earth Sciences at Laurentian University. From 2007 to 2009 he was a consulting geologist with SJPGeoConsulting. Since 2009 he

has been an associate professor and the NSERC-Altius Industrial Research Chair in Mineral Deposits in the Department of Earth Sciences at Memorial University of Newfoundland. His research is focused on the application of field methods, litho-geochemistry, mineralogy, mineral chemistry, and isotope geochemistry to the understanding of mineral deposit genesis and exploration and the tectonics and crustal growth of mountain belts.

CANADIAN MINERALOGIST MANUSCRIPT SUBMISSION NOW WEB BASED

Manuscript submission and tracking is now available to all contributors to *The Canadian Mineralogist* thanks to the online submission system Editorial Manager (www.edmgr.com/canmin/default.asp). Web-based manuscript submission allows the journal to provide convenient and transparent tracking of a manuscript's status and to document a manuscript's progress through the review process. With Editorial Manager, authors can check on their submissions at any time and from anywhere with an Internet connection. Extensive reporting functions allow editors to more closely monitor important data, including submission-to-publication times and staff workloads.

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