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# Barry Ian Cameron

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## *Education*

- 1993 - 1998 Ph.D. Degree in Geology, Northern Illinois University, DeKalb, IL, USA;  
Supervisor: **Dr. James Walker**; Title: "Melt generation and magma evolution in southeastern Guatemala"
- 1985 - 1989 M.S. Degree in Geology, Dalhousie University, Halifax, Nova Scotia, Canada;  
Supervisor: **Dr. Gunter Muecke**; Title: "Petrochemistry and origin of altered Permian basalts in the Sverdrup Basin, Arctic Canada"
- 1981 - 1985 B.S. (Honors) in Geology, Minor in Mathematics, Dalhousie University, Halifax, Nova Scotia, Canada; Supervisor: **Dr. Marcos Zentilli**; Title: "Contact metamorphic effects of granitoid pluton on Zn-Pb mineralization in manganese metasediments of the Meguma Group, Eastville, Colchester County, Nova Scotia"

## *Employment History*

- 2007 – 2008 **Associate Professor**, Igneous Petrology and Volcanology; Department of Geosciences, University of Wisconsin-Milwaukee, P.O. Box 413, Milwaukee, WI, 53201
- 2001 – 2007 **Assistant Professor**, Igneous Petrology and Volcanology; Department of Geosciences, University of Wisconsin-Milwaukee, P.O. Box 413, Milwaukee, WI, 53201
- 1998 - 2001 **Postdoctoral Research Associate**; Department of Geological Sciences, Arizona State University, Tempe, AZ, 85287-1404; Supervisor: Dr. Jonathan Fink, Vice Provost for Research
- 1993 - 1998 **Ph.D. Candidate/Lecturer**; Department of Geology and Environmental Geosciences, Northern Illinois University, DeKalb, IL, 60115; Supervisor: Dr. Jonathan Berg, Chair
- 1989 - 1993 **Mineral Deposits Geologist**; Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario, K1A 0E8; Supervisor: Dr. James Franklin, Chief Geoscientist

### ***Fields of Research Interest***

- Igneous Petrology (the origin of arc magmas, ocean island basalts, continental rift basalts, mid-ocean ridge basalts, and the different mantle reservoirs)
- Volcanology (degassing mechanisms, subglacial volcanism, paleoclimate)
- Origin of mineral deposits associated with fossil and modern hydrothermal systems
- Hydrochemistry of modern geothermal systems; volcano-groundwater interaction

### ***Professional Affiliations***

- American Geophysical Union
- Geological Association of Canada
- Geological Society of America
- IAVCEI
- Sigma Xi

### ***National Recognition***

Featured on PBS **NOVA** program called “Volcano Under the City” discussing the volcanic hazards of Nyiragongo volcano in the Congo; premiere on November 1, 2005

### ***Awards and Fellowships***

- University of Wisconsin-Milwaukee Research Growth Initiative (RGI) Proposal (1 year \$67,753), The explosive-effusive transition and compositional diversity at basaltic cinder cones in Central America, BI Cameron (PI)
- NSF proposal PHY #0653346 (\$345,000 for three years), Interdisciplinary RET (Research Experience for Teachers); B.I. Cameron as faculty mentor
- Supplement NSF Polar Projects ANDRILL grant (2 year \$26,531) H<sub>2</sub>O Content in Volcanic Glass: Tracking Antarctica’s Ice Thickness Fluctuations over the Last 5 My (PI B.I. Cameron), May 31, 2007
- NSF Polar Projects - ANDRILL Proposal: Water Content in Volcanic Glass: Tracking Antarctica’s Ice Thickness Fluctuations over the Last 5 My (2 year \$50,458); starting June 2006
- NSF Proposals EAR #0439699 and #0439707 (\$353,703 funded to date), Collaborative Proposal: Using the Products of Volcano-Ice Interaction to Constrain Paleo-Ice Conditions (collaborator BI Cameron with co-PIs B. Edwards of Dickinson University and I. Skilling of the University of Pittsburgh; 2006-2008.
- Student Response System (SRS) Curricular Redesign Grant (\$1,000); June 2005
- University of Wisconsin-Milwaukee, Graduate School Research Committee Awards (\$14,945, 1 year), The Tempestuous Relationship Between Volcanoes and Glaciers, July 2002
- NSF Proposal EAR #0001015 (\$240,281, 3 years+extensions), Co-PI with Jonathan Fink, Petrology and Geochemistry Division; Explosive Behavior of Lava Domes, July 2000 Meeting, May 1996

## *University Committees*

- Elected Member (3 year term), Faculty Senate, University of Wisconsin-Milwaukee, Fall 2008
- Elected Member (3 year term), Academic Planning and Curriculum Committee, University of Wisconsin-Milwaukee, Fall 2008
- Elected Member (3 year term), Codification Committee, University of Wisconsin-Milwaukee, Fall 2004
- Wisconsin Girls Collaborative Project, Board Member, 2005-2006
- Member of the Advisory Board for the Edison Initiative, University of Wisconsin-Milwaukee, College of Letters and Science, 2004-2008
- Co-chair of Hard Rock Lunch, Department of Geosciences, University of Wisconsin-Milwaukee
- Colloquium Committee, Department of Geosciences, University of Wisconsin-Milwaukee, 2003-2008
- Space Committee, Department of Geosciences, University of Wisconsin-Milwaukee, 2004-2006
- PC Laboratory Improvement Committee, Department of Geosciences, University of Wisconsin-Milwaukee, 2002-2004

## *Publication History*

- Submitted Manuscripts
- Accepted Manuscripts

2008 B.R. Edwards, I.P. Skilling, **B.I. Cameron**, C. Haynes, J.G.D. Hungerford, and A. Lloyd, Evolution of an englacial ridge: Pillow Ridge tindar, Mount Edziza volcanic complex, NCVP, British Columbia, Canada, *Journal of Volcanology and Geothermal Research*

2008 J.A. Stevenson, J.L. Smellie, D.W. McGarvie, J.S. Gilbert, and **B.I. Cameron**, Subglacial intermediate volcanism at Kerlingarfjöll, Iceland: magma-water interactions beneath thick ice, *Journal of Volcanology and Geothermal Research*

- Refereed Journal Publications

2007 J.A. Walker, J.E. Mickelson, R.B. Thomas, L.C. Patino, **B.I. Cameron**, M.J. Carr, M.D. Feigenson, and R.L. Edwards, U-series disequilibria in Guatemalan lavas, crustal contamination, and implications for magma genesis along the Central American subduction zone, *Journal of Geophysical Research*, v. 112, 16 p.

2006 **B.I. Cameron** and J.A. Walker, Diverse volcanism in southeastern Guatemala: the role of crustal contamination, *GSA Special Paper 412 – Volcanic Hazards in Central America*, p. 121-139.

- 2006 J.A. Walker, S. Templeton and **B.I. Cameron**, The chemistry of spring waters and fumarolic gases encircling Santa María volcano, Guatemala: insights into the hydrothermal system below an active arc volcano, GSA Special Paper 412 – Volcanic Hazards in Central America, p. 59-83.
- 2003 J.A. Walker, K. Roggensack, L.C. Patino, **B.I. Cameron**, and O. Matias, Magmatic water contents across an active subduction zone, Contributions to Mineralogy and Petrology, 146: 62-77.
- 2003 **B.I. Cameron**, J.A. Walker, M.J. Carr, L.C. Patino, M.D. Feigenson, and O. Matías, Flux versus decompression melting at stratovolcanoes in southeastern Guatemala, Journal of Volcanology and Geothermal Research, 119:21-50.
- 2002 J.A. Walker, C. Pippin, **B.I. Cameron**, and L.C. Patino, Tectonic insights provided by Mesoproterozoic mafic rocks of the St. Francois Mountains, southeastern Missouri, Precambrian Research, 117:251-268.
- 2001 P.J. DeGroat, **B.I. Cameron**, J.H. Fink, and J.R. Holloway, Hydrogen isotope analysis of rehydrated silicic lavas: Implications for eruption mechanisms, Earth and Planetary Science Letters, 185:331-341.
- 2000 J.A. Walker, L.C. Patino, **B.I. Cameron**, and M.J. Carr, Petrogenetic insights provided by compositional transects across the Central American Arc, Journal of Geophysical Research, 105: 18,949-18,963.
- 1998 E.R. Koopman, M.D. Hannington, F. Santiaguida, and **B.I. Cameron**, Petrology and geochemistry of proximal hydrothermal alteration at Kidd Creek, *In* The Giant Kidd Creek Volcanogenic Massive Sulfide Deposit, Western Abitibi Subprovince, Canada; M.D. Hannington and C.T. Barrie eds., Economic Geology Monograph 10
- 1997 **B.I. Cameron**, and M. Zentilli, Geochemical characterization of the mineralized transition between the Goldenville-Halifax formations and the interaction with adjacent granitoid intrusions of the Liscomb Complex, Nova Scotia, Atlantic Geology, 33: 143-155.
- 1996 **B.I. Cameron**, and G.K. Muecke, Permian alkaline basalts associated with formation of the Sverdrup Basin, Canadian Arctic, Canadian Journal of Earth Sciences, 33: 1462-1473.
- 1993 **B.I. Cameron**, M.D. Hannington, D.I. Brisbin, and E.R. Koopman, Preliminary mineral chemical studies of phyllosilicates in host rocks of the Kidd Creek massive sulphide deposit, Timmins, Ontario, *In* Current Research, Part E; Geological Survey of Canada, Paper 93-1E, p. 157-164.

- 1993 Goodfellow, W.D., K. Grapes, **B.I. Cameron**, and J.M. Franklin, Hydrothermal alteration associated with massive sulfide deposits, Middle Valley, northern Juan de Fuca Ridge, *Canadian Mineralogist*, 31: 1025-1060.
- 1991 T.J. Katsube, K. Wires, **B.I. Cameron**, and J.M. Franklin, Porosity and permeability of ocean floor sediments from the Middle Valley Zone in the northeast Pacific: Borehole PAR90-1, *In Current Research, Part E; Geological Survey of Canada, Paper 91-1E*, p. 91-97.
- 1989 D.B. Clarke, **B.I. Cameron**, G.K. Muecke, and J.L. Bates, Early Tertiary basalts from the Labrador Sea floor and Davis Strait region, *Canadian Journal of Earth Sciences*, 26: 956-968.
- 1989 D.B. Clarke, **B.I. Cameron**, G.K. Muecke, and J.L. Bates, Petrology and geochemistry of basalts from ODP 105, Site 647A, Labrador Sea and the Davis Strait area, *Proceedings of the Ocean Drilling Program, Scientific Results*, 105: 863-884.
- Other Refereed Contributions
- 1988 **B.I. Cameron**, Preliminary report on the petrology and geochemistry of basalts of the Permian Esayoo Formation, Sverdrup Basin, Canadian High Arctic, *In Student Research in Canada's North; Proceedings of the National Student Conference on Northern Studies*, p. 43-50.
- Conference Presentations
- 2008 **B.I. Cameron**, M. Wright, I.P. Skilling, B. Edwards, J. Hungerford, D. Hahm, and D. Hilton, Volatile contents of glaciovolcanic pillow glasses from Mount Edziza, northern British Columbia: Advances toward more accurate ice thickness estimates, IAVCEI 2008 General Assembly, Reykjavik, Iceland, August 17-22, 2008
- 2008 B. Edwards, J. Russell, **B.I. Cameron**, and I.P. Skilling, Using NCVP glaciovolcanism to constrain the timing and extent of the northern Cordilleran Ice Sheet: a first look, IAVCEI 2008 General Assembly, Reykjavik, Iceland, August 17-22, 2008
- 2008 I.P. Skilling, J. Hungerford, **B.I. Cameron**, and B. Edwards, Identifying basaltic lava flows emplaced under ice: Clues from the Mount Edziz Volcanic Complex, British Columbia, Canada, IAVCEI 2008 General Assembly, Reykjavik, Iceland, August 17-22, 2008
- 2008 B. Edwards, I.P. Skilling, **B.I. Cameron**, C. Haynes, A. Lloyd, and J. Hungerford, Evolution of an englacial fissure-fed volcanic ridge: Pillow ridge, Mount Edziza volcanic complex, NCVP, British Columbia, Canada, IAVCEI 2008 General Assembly, Reykjavik, Iceland, August 17-22, 2008
- 2008 J. Hungerford, I.P. Skilling, B. Edwards, and **B.I. Cameron**, The Subglacial Tennena

- Cone Eruption, Mount Edziza, British Columbia, Canada: Glacial paeloenvironment, meltwater volumes and drainage, IAVCEI 2008 General Assembly, Reykjavik, Iceland, August 17-22, 2008
- 2008 K. Roggensack and **B.I. Cameron**, Historical change in the eruptive behavior of Cerro Negro volcano, Nicaragua: Evidence from olivine melt inclusions, IAVCEI 2008 General Assembly, Reykjavik, Iceland, August 17-22, 2008
- 2008 **B.I. Cameron**, M. Wright, I.P. Skilling, J. Hungerford, and B. Edwards, Accurate ice thickness estimates from volatile contents of subglacial glasses from northern British Columbia, Canada, Geological Society of America North-Central Section, 42<sup>nd</sup> Annual Meeting, April 24-25, 2008
- 2007 **B.I. Cameron**, C. Hirschmugl, and B. Spear, Volatile content of volcanic glasses from subglacial volcanoes in British Columbia, Canada, Synchrotron Radiation Center Users Meeting, October 12-13, 2007
- 2007 **B.I. Cameron**, M. Wright, I.P. Skilling, B. Edwards, and J. Hungerford, Ice Thickness Estimates Based on Volatile Content of Pillow Glasses from the Mount Edziza Volcanic Complex, northern British Columbia, 2<sup>nd</sup> Volcano-Ice Interaction on Earth and Mars Conference, Vancouver, British Columbia
- 2005 **B.I. Cameron**, S. Boscov, A.H. Peterson, and K. Roggensack, Degassing of Subglacial Volcanoes in British Columbia and Iceland Revealed by Hydrogen Isotopic Analyses, Geological Association of Canada meeting, Halifax, Nova Scotia, Abstracts Volume 30, p. 23-24, 2005.
- 2005 J.P. Bruesewitz and **B.I. Cameron**, Geochemistry of the Cary Mound Granite, central Wisconsin; tectonic implications, Abstracts with Programs – Geological Society of America, vol. 37, no. 5, pp. 31, May 2005.
- 2005 **B.I. Cameron**, K. Roggensack, S. Boscov, and A.H. Peterson, What`s it Tuya: Ice Thickness Determined From H<sub>2</sub>O Contents Measured in Glasses From Subglacial Volcanoes in British Columbia and Iceland, EOS Transaction, American Geophysical Union, v. 85 (52), Fall Meeting Suppl., Abstract V12B-04 (Invited), 2005.
- 2005 J.A. Walker, K. Bemis, **B.I. Cameron**, K. Noll, B. Singer, X. Zhang, D. Ruscitto, K. Roggensack, and J. Olney, Implications of <sup>40</sup>Ar/<sup>39</sup>Ar Geochronology for Fluid Transfer and Magma Generation Across Southeastern Guatemala, EOS Transaction, American Geophysical Union, v. 85 (52), Fall Meeting Suppl., Abstract T13B-0477, 2005.
- 2005 D.M. Ruscitto, M.M. Hirschmann, R.L. Edwards, J.A. Walker, H. Cheng, **B.I. Cameron**, and K. Roggensack, Uranium-Thorium Isotopic Analyses of Basalts From Behind the

- Volcanic Front, Southeastern Guatemala volcano, Guatemala, EOS Transaction, American Geophysical Union, v. 85 (52), Fall Meeting Suppl., Abstract T13B-0479, 2005.
- 2005 K. Hess, Y. Lavallee, J.M. Castro, K. Noll, B. Cordonnier, S. Mueller, D.B. Dingwell,, **B.I. Cameron**, O. Spieler, and J.H. Fink, Rheology of Obsidian Flow: Emplacement Controlled by Final Water Degassing? EOS Transaction, American Geophysical Union, v. 85 (52), Fall Meeting Suppl., Abstract V53C-1584, 2005.
- 2004 A.H. Peterson and **B.I. Cameron**, H<sub>2</sub>O and Hydrogen Isotopic Study of Glasses from Subglacial Volcanoes in the Neovolcanic Zone of Iceland, EOS Transactions, American Geophysical Union, vol. 85 (47), Fall Meeting Suppl., Abstract V43E-1462, 2004.
- 2004 K. Roggensack and **B.I. Cameron**, Melt Inclusions from a Basaltic Tuya in British Columbia: Contrasts in Early- and Late-Stage Degassing Processes, EOS Transactions, American Geophysical Union, vol. 85 (47), Fall Meeting Suppl., Abstract V33A-1458, 2004.
- 2003 **B.I. Cameron** and S. Boscov-Parfitt, Degassing at basaltic tuyas in northern British Columbia: Insights from the hydrogen isotopic composition of glasses and whole rocks, EOS Transactions, American Geophysical Union, vol. 84 (46), Fall Meeting Suppl., Abstract V42B-0367, 2003
- 2003 J.A. Walker, J.E. Mickelson, R.B. Thomas, L.C. Patino, **B.I. Cameron**, and R.L. Edwards, Systematic changes in U-series isotopes along the Guatemalan volcanic front, Geological Society of America Annual Meeting, Seattle, Washington, Paper No. 174-11, November 2-5, 2003.
- 2003 J.A. Walker, K. Roggensack, L.C. Patino, **B.I. Cameron**, and J.E. Mickelson, The water and trace element contents of melt inclusions across southeastern Guatemala: Implications for magma generation and slab/wedge interactions in a continental arc, State of the Arc 2003
- 2002 **B.I. Cameron**, J.H. Fink, Y. Guan, and L.A. Leshin, Hydrogen isotopic composition of amphiboles by ion microprobe: Implications for the explosive-effusive transition at Santa Maria volcano, Guatemala, EOS Transactions, American Geophysical Union, vol. 83, no. 47, p. F1473-1474.
- 2002 T.P. Fischer, M.M. Zimmer, D.R. Hilton, A.M. Shaw, **B.I. Cameron**, J.A. Walker, and C.E. Molina, The relationship between the signature of subducted sediments in volcanic gases and volatile flux along the Central American Volcanic Arc (Invited), EOS Transactions, American Geophysical Union, vol. 83, no. 19, p.
- 2002 J.A. Walker, K. Roggensack, and **B.I. Cameron**, Magmatic water contents across an active subduction zone, Geological Society of America Joint Annual Meeting, North-

Central and Southeastern Sections, April 3-4, 2002.

- 2001 **B.I. Cameron**, J.H. Fink, Y. Guan, and L.A. Leshin, Multiple Uses of Hydrogen Isotopes as a Tracer of Rehydration Processes in Glassy Lavas, EOS Transactions, American Geophysical Union, vol. 82, no. 47, p. F1320.
- 2001 **B.I. Cameron**, Magmatism Associated with the Rupturing of the Red Sea: A Modern Analogue for the Sverdrup Basin in the Canadian Arctic, MARGINS Education and Planning Workshop: Rupturing of Continental Lithosphere in the Red Sea/Gulf of Suez, March 17-23, 2001, Sharm-el-Sheikh, Sinai, Egypt.
- 2000 **B.I. Cameron** and J.H. Fink, High magmatic H<sub>2</sub>O contents in obsidian clasts from plinian tephra deposits, EOS Transactions, American Geophysical Union, 81, no. 48, p. F1328.
- 2000 K. Roggensack, J.A. Walker, L.C. Patino, and **B.I. Cameron**, Volatile element abundances in a transect across the Central American arc, Geological Society of America Annual Meeting – Summit 2000.
- 2000 **B.I. Cameron** and J.H. Fink, Identifying magmatic H<sub>2</sub>O contents in ash flows tuffs from Yucca Mountain by step-heating hydrogen isotope analyses, EOS Transactions, American Geophysical Union, 81, no. 19, p. S434.
- 2000 **B.I. Cameron**, J.H. Fink, P.J. DeGroat-Nelson, and J.R. Holloway, The nature of degassing at lava domes revealed by step-heating hydrogen isotope analyses, GeoCanada 2000 – Millenium Geoscience Summit, Conference CD.
- 1999 **B.I. Cameron**, J.H. Fink, P.J. DeGroat-Nelson, and J.R. Holloway, Magmatic H<sub>2</sub>O contents in glassy lavas and obsidian clasts revealed by step-heating hydrogen isotope analyses, EOS Transactions, American Geophysical Union, 80, no. 46, p. F1109.
- 1999 J.A. Walker, L.C. Patino, **B.I. Cameron**, and M.J. Carr, Compositional variation across the Central American arc, EOS Transactions, American Geophysical Union, 80, no.17, p. S348-S349.
- 1998 J.A. Walker, and **B.I. Cameron**, Variations in slab/wedge interactions across the Central American arc in southeastern Guatemala, EOS Transactions, American Geophysical Union, 79, p. F395.
- 1997 **B.I. Cameron**, J.A. Walker, M.J. Carr, and L.C. Patino, Systematic declines in slab fluxes registered across the Central American arc at older behind-the-front central volcanoes in southeastern Guatemala, Seventh Annual V.M. Goldschmidt Conference, p. 41.
- 1997 J.H. Berg, D. Weis, W.C. McIntosh, and **B.I. Cameron**, The age and origin of HIMU volcanism in the Balleny Islands: Melting of plume-delivered deep mantle

or shallow asthenospheric mantle? Seventh Annual V.M. Goldschmidt Conference, p. 26-27.

- 1997 E.R. Koopman, M.D. Hannington, F. Santaguida, and **B.I. Cameron**, Petrology and geochemistry of proximal hydrothermal alteration at Kidd Creek, Geological Association of Canada Annual Meeting, Ottawa 97.
- 1996 J.A. Walker, **B.I. Cameron**, L. Patino, M.J. Carr, and F.M. Conway, Cs, Pb, U, Th, Sb, and As across southeastern Guatemala, EOS Transactions, American Geophysical Union, 77, p. F790
- 1996 J.H. Berg, D. Weis, **B.I. Cameron**, and G.A.J. Eargle, A comparison of alkali basalts from the "oceanic" Balleny Islands and the "continental" Possession Islands of Antarctica: Implications for lithospheric interaction, AGU Chapman Conference on Shallow Level Processes in Ocean Island Magmatism, Abstracts Volume, p. 14.
- 1996 J.A. Walker, **B.I. Cameron**, C.B. Conner, S.B. McKnight, S.N. Williams, W. Strauch, M. Navarro, and O. Urbino, Temporal magmatic constancy at a young basaltic volcano: Cerro Negro, Nicaragua, Geological Association of Canada Annual Meeting, Program With Abstracts, p. 99.
- 1996 **B.I. Cameron**, J.A. Walker, F.M. Conway, and M.J. Carr, Temporal changes in volcanism and magma generation behind-the-volcanic front in southeastern Guatemala, Geological Society of America Regional Meeting, North-Central Section, Abstracts With Programs, p. 31-32.
- 1996 S. Templeton, J.A. Walker, **B.I. Cameron**, and R. Morales, Glimpses into a hydrothermal system at an active volcano: Santa Maria volcano, Guatemala, Geological Society of America Regional Meeting, North-Central Section, Abstracts With Programs, p. 67.
- 1995 J.H. Berg, D. Weiss, and **B.I. Cameron**, Enriched HIMU source for the Balleny Island basalts, Southern Ocean, EOS Transactions, American Geophysical Union, 76, p. 693.
- 1995 J.H. Berg, S.A. Wilson, D. Weis, and **B.I. Cameron**, Petrology and geochemistry of lavas from the Balleny Islands, VII International Symposium on Antarctic Earth Sciences, Abstracts Volume, p. 37.
- 1994 S. Aavang, J. Stravers, and **B.I. Cameron**, Lithostratigraphic and erratic dispersal evidence for the extent of the western margin of the Patagonian Ice Cap during the last glaciation, EOS Transactions, American Geophysical Union, 75, p. 351.
- 1994 J.A. Walker, **B.I. Cameron**, C.B. Conner, W. Strauch, M. Navarro, and O. Urbino, The 1992 eruption of Cerro Negro volcano, Nicaragua: Compositional

changes during the eruption, Geological Society of America Regional Meeting, North-Central Section, Abstracts With Programs, p. 67.

- 1993 Kidd Creek Study Group, Kidd Creek Project Co-operative research on the Kidd Creek volcanogenic massive sulphide deposit, Ontario, Talk and Poster presented by B.I. Cameron, Cordilleran Geology and Exploration Roundup, Vancouver, B.C.
- 1992 **B.I. Cameron**, I.R. Jonasson, and J.M. Franklin, Sulphide mineralogy and chemistry of chimneys from the Mushroom Vent, Axial Seamount, Juan de Fuca Ridge, Geological Association of Canada Meeting, Program With Abstracts, p. 15.
- 1990 W.D. Goodfellow, J.M. Franklin, J.W. Lydon, I.R. Jonasson, K.Grapes, **B.I. Cameron**, and D.E. Ames, Geological and chemical constraints on the formation of massive sulphide deposits, Middle Valley, northern Juan de Fuca Ridge, 8th I.A.G.O.D. Symposium, Abstracts With Program, p. 61-62
- 1986 **B.I. Cameron**, I.N. MacInnis, and R. Hingston, Contact metamorphic effects of the Liscomb Pluton on the Eastville lead-zinc deposit, Colchester County, Nova Scotia, Maritime Sediments and Atlantic Geology, 22: 178-179.

◆ Invited Talks

- 2006 **B.I. Cameron**, What's It Tuya: Subglacial Volcanoes in Northern British Columbia, Michigan State University, Lansing, MI, November 2, 2006
- 2006 **B.I. Cameron**, What's It Tuya: Subglacial Volcanoes in Northern British Columbia, University of Pittsburgh, Pittsburgh, PA, October 26, 2006
- 2005 **B.I. Cameron**, What's It Tuya: Subglacial Volcanoes in Northern British Columbia and Iceland, Southern Methodist University, Dallas, TX, November 11, 2005.
- 2005 **B.I. Cameron**, What's It Tuya: Subglacial Volcanoes in Northern British Columbia and Iceland, University of Wisconsin-Oshkosh, Oshkosh, WI, November 17, 2005.
- 2003 **B.I. Cameron**, Insight Into Melt Generation at Subduction Zones From Disparate Volcano Types in Guatemala, Central America, Michigan Technological University, November 10, 2003
- 2003 **B.I. Cameron**, Central American Volcanoes, Obsidian Artifacts, and the Collapse of the Maya Civilization, University of Wisconsin-Milwaukee, Department of Spanish and Portuguese, April 4, 2003

- 2002 **B.I. Cameron**, The hydrogen isotopic composition of silicic magmas, Northern Illinois University, March 1, 2002
- 2000 **B.I. Cameron**, The role of water in magmatic systems: Flux melting in arcs and degassing at lava domes, University of Texas at Dallas, April 27, 2000.
- 2000 **B.I. Cameron**, The role of water in magmatic systems: Flux melting in arcs and degassing at lava domes, Southern Methodist University, May 3, 2000.
- 1994 **B.I. Cameron**, Continental rifting in the Canadian Arctic: Permian alkali basalts from the asthenosphere, Northern Illinois University, March 13, 1994.

◆ Workshops Attended

- 2004 (NSF Sponsored) US-Africa Workshop on the Anatomy of Continental Rifts: The Evolution of the East African Rift System from Nascent Extension (Okavango Rift Zone) to Continental Breakup (Afar Depression), Addis Ababa, Ethiopia, June 24-26, 2004.

International Conference on the East African Rift System: Evolution, Resources, and Environment. Addis Ababa, Ethiopia, June 20-24, 2004.

◆ Organized Field Trips

- 2000 Volcanoes of Italy, co-leaders Andrea Borgia, B.I. Cameron, and K. Roggensack, June 6-27, 2000; a volcanological tour through the Vulsini District, Alban Hills, Etna, Vulcano, Lipari, Stromboli, Vesuvius, and Campi Flegrei.