

Selected Publications: Kim Tait, Associate Curator of Mineralogy

- 2012 Day, J.M.D., R.J. Walker, R.D. Ash, Y. Liu, D. Rumble III, A.J. Irving, C.A. Goodrich, K.T. Tait, W.F. McDonough, and L.A. Taylor. "Origin of Graves Nunataks 06128 and 06129, brachinites, and brachinite-like achondrites by partial melting of volatile-rich primitive parent bodies." *Geochimica et Cosmochimica Acta*, 81: 94-128.
- 2011 Plotkin, H. and K.T. Tait. "V. Ben Meen and the riddle of Chubb Crater." *Earth Sciences History*, 30(2): 245-272.
- 2011 Tait, K.T. "Gems and Minerals: Earth's Treasures from the Royal Ontario Museum." *Firefly Publishers*. 257 pp.
- 2011 Yang, H., R.T. Downs, S.H. Evans, M.N. Feinglos, and K.T. Tait. "Crystal structure of uchucchacuaite, $\text{AgMnPb}_3\text{Sb}_5\text{S}_{12}$, and its relationship with ramdohrite and fizélyite." *American Mineralogist*, 96: 1186-1189.
- 2011 Yang, H., R.A. Jenkins, R.T. Downs, S.H. Evans, and K.T. Tait. "Ruffite, $\text{Ca}_2\text{Cu}(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$, a new member of the roselite group, from Tierra Amarilla, Chile." *American Mineralogist*, 49: 877-884.
- 2011 Tait, K.T. "Colour." *ROM Magazine*, Summer 2011: 14-15.
- 2011 Tait, K.T. and M. Burridge. "T.O.'s H_2O ." *ROM Magazine*, Spring 2011: 28.
- 2011 Ercit, T.S., K.T. Tait, M.A. Cooper, Y. Abdu, N.A. Ball, A.J. Anderson, P. Černý, and F.W. Hawthorne. "Manitobaite, $\text{Na}_{16}\text{Mn}^{2+}_{25}\text{Al}_8(\text{PO}_4)_{30}$, a new phosphate mineral species from Cross Lake, Manitoba, Canada." *Canadian Mineralogist*, 48: 1455-1463.
- 2011 Tait, K.T., M.C. Barkley, R.M. Thompson, M.J. Origlieri, S.H. Evans, C.T. Prewitt, and H. Yang. "Bobdownsite, a new member of the whitlockite-group, from Big Fish River, Yukon, Canada." *Canadian Mineralogist*, 49: 697-709.
- 2010 Tait, K.T., H. Yang, R.T. Downs, C. Li, and W.W. Pinch. "The crystal structure of esperite, with a revised chemical formula, $\text{PbCa}_2(\text{ZnSiO}_4)_3$, isostructural with beryllonite." *American Mineralogist*, 95: 699-705.
- 2010 van Drongelen, K., K.T. Tait, G. Clark, and P. McCausland. "Petrographic and geochemical analysis of the Shelburne meteorite, an L5 ordinary chondrite fall." *Journal of the Royal Astronomical Society of Canada*, 104(4): 132-141.
- 2010 Burridge, M. and K.T. Tait. "How Cool is Toronto?" *ROM Magazine*, Fall 2010: 32-33.
- 2009 Tait, K.T. "The hunt for extraterrestrials: What I found in a Saskatchewan farmer's field." *ROM Magazine*, 42(2): 13.
- 2008 Tait, K.T. "Romancing the Stones." *ROM Magazine*, 41(2): 24-31.
- 2007 Bindi, L., M. Evain, P.G. Spry, K.T. Tait, and S. Menchetti. "Structural role of copper in the minerals of the pearceite-polybasite group: the case of the new

- minerals cupropearceite and cupropolybasite." *Mineralogy Magazine*, 71(6): 593-602.
- 2007 Tait, K.T., F. Trouw, Y. Zhao, C. Brown, and R.T. Downs. "Inelastic neutron scattering studies of *d*THF +H₂ clathrate." *J. Chem. Phys.*, 127(11): 921-927.
- 2007 Zhao, Y., H. Xu, L.L. Daemen, K.A. Lokshin, K.T. Tait, W.L. Mao, J. Luo, R.P. Currier, and D.D. Hickmott. "High-P/low-T neutron scattering of hydrogen inclusion compounds - progress and prospects." *Proc. Nat. Acad. Sci.*, 104: 5727-5731.
- 2005 Tait, K.T., F.C. Hawthorne, J.D. Grice, L. Ottolini, and V.K. Nayak. "Dellaventuraite, NaNa₂(MgMn₂TiLi)Si₈O₂₂O₂, a new anhydrous amphibole from the Kajlidongri manganese mine, Jhabua district, Madhya Pradesh, India." *American Mineralogist*, 90: 304-309.
- 2004 Wang, Z., K. Tait, Y. Zhao, D. Schiferl, C.S. Zha, H. Uchida, and R.T. Downs. "Size-induced reduction of transition pressure and enhancement of bulk modulus of AlN nanocrystals." *J. Phys. Chem. B*, 108(31): 11506-11508.
- 2004 Bobev, S., and K.T. Tait. "Methanol- inhibitor or promoter of the formation of gas hydrates from deuterated ice?" *American Mineralogist*, 89: 1208-1214.
- 2004 Tait, K.T. and F.C. Hawthorne. "Johillerite from Tolbachik, Kamchatka Peninsula, Russia: Crystal-structure refinement and chemical composition." *Canadian Mineralogist*, 42(3): 717-722.
- 2004 Tait, K.T., F.C. Hawthorne, P.C. Černý, and M.A. Galliski. "Bobfergusonite from the Nancy pegmatite, San Luis Range, Argentina." *Canadian Mineralogist*, 42(3): 705-716.
- 2004 Tait, K.T., F.C. Hawthorne, J. Grice, and J. Jamor. "Potassic-carpholite, a new mineral from the Sawtooth Batholith, Boise County, Idaho." *Canadian Mineralogist*, 42(1): 121-124.