

THE CANADIAN MINERALOGIST

Scheduled Issues and Articles

July 2016 – Pegmatite Thematic Issue

15-00094:

Achalaite, $\text{Fe}^{2+}\text{TiNb}_2\text{O}_8$, a new member of the wodginite group from La Calandria granitic pegmatite, Córdoba, Argentina

Miguel Ángel Galliski, María Florencia Márquez-Zavalía, Petr Černý, Raúl Lira, Fernando Colombo, Andrew C. Roberts, and Heinz-Jürgen Bernhardt

15-00095:

Complex Nb-Ta-Ti-Sn Oxide Mineral Intergrowths In La Calandria Pegmatite, Cañada Del Puerto, Córdoba, Argentina

Miguel Ángel Galliski, María Florencia Márquez-Zavalía, Petr Černý, and Raúl Lira

15-00100:

Arrojadite-(BaNa), $\text{BaNa}_3(\text{Na,Ca})\text{Fe}^{2+}_{13}\text{Al}(\text{PO}_4)_{11}(\text{PO}_3\text{OH})(\text{OH})_2$, a new phosphate mineral from the Luna Albite Pegmatite, Dorio Commune, Lecco Province, Italy

Pietro Vignola, Frédéric Hatert, Maxime Bajot, Fabrice Dal Bo, Sergio Andò, Danilo Bersani, Alessandro Pavese, Andrea Risplendente, and Francesco Vanini

15-00112:

On the crystal-chemistry of bjarebyite, $\text{BaMn}^{2+}_2\text{Al}_2(\text{PO}_4)_3(\text{OH})_3$, from the Palermo #1 pegmatite, Grafton County, New Hampshire

Nicola Rotiroti, Pietro Vignola, Danilo Bersani, William B. Simmons, Alexander U. Falster, Robert W. Whitmore, James W. Nizamoff, Paolo Lotti, Andrea Risplendente, and Alessandro Pavese

16-00010:

A Tectonic Evaluation of Pegmatite Parent Granite

Sarah L. Hanson

16-00013:

Iron-bearing pollucite and tourmaline replacement of garnet in the garnet line in the Mt. Mica and Havey pegmatites, western Maine

Myles Felch, Alexander U. Falster, and William B. Simmons

16-00014:

Pseudobrookite from the Nine Mile Pluton, Marathon County, Wisconsin: an occurrence from a plutonic environment

Thomas W. Buchholz, Alexander U. Falster, and William B. Simmons

16-00015:

Petrography, mineralogy, and origin of the syenite pegmatitic segregation veins from La Peña Alkaline Complex, Mendoza, Argentina

Diego Sebastián Pagano, Miguel Ángel Galliski, María Florencia Márquez-Zavalía, Milan Novák, and Radek Škoda

16-00016:

Triphylite–sarcopside miscibility gap in the FeO–MnO–Li₂O–P₂O₅–H₂O system: experimental investigation and thermometric application to granitic pegmatites
Frederic Hatert, Encarnación Roda-Robles, Luisa Ottolini, Peter Schmid-Beurmann, Maxime Bajot, and Fabrice Dal Bo

16-00017:
Bulk composition of Mt. Mica pegmatite, Maine, USA: Implications for the origin of an LCT type pegmatite by anatexis
William Simmons, Alexander Falster, Karen Webber, Encarnación Roda-Robles, Andrew P. Boudreaux, Leah Rae Grassi, and Gary Freeman

16-00021:
Monazite-(Ce) and xenotime-(Y) from LCT, NYF tertiary pegmatite field: Evidences from regional study in the Central Alps (Italy and Switzerland)
Alessandro Guastoni, Giacomo Pozzi, Luciano Secco, Mariangela Schiazza, Giorgio Pennacchioni, Anna Maria Fioretti, and Fabrizio Nestola

16-00023:
The euxenite-group minerals and products of their alteration in the hybrid Julianna granitic pegmatite, Piława Górna, Sudetes, southwestern Poland
Adam Szuszkiewicz, Adam Pieczka, Eligiusz Szełęg, Krzysztof Turniak, Sławomir Ilnicki, and Krzysztof Nejbert

16-00024:
Manganoan Na,Be,Li-rich sekaninaite from miarolitic pegmatite at Zimnik, Strzegom-Sobótka massif, Sudetes, Poland
Petr Gadas, Milan Novák, Adam Szuszkiewicz, Eligiusz Szełęg, Michaela Vašinová Galiová, and Jakub Haifler

16-00027:
The origin of spodumene pegmatites associated with the Leinster Granite in southeast Ireland
Renata Barros and Julian F. Menuge

16-00028:
Kuradawe granitic pegmatite from Mawat ophiolite, Kurdistan region of Iraq: Anatomy, mineralogy, geochemistry, and petrogenesis
Yousif Mohammad, Hiwa Kareem, and Ryo Anma

16-00033:
Crystal chemistry of the wyllieite group of phosphates
Frédéric Hatert, Miguel Galliski, Encarnación Roda-Robles, Pietro Vignola, and André-Mathieu Fransolet

16-00035:
Geochronology and tectonic context of lithium-cesium-tantalum pegmatites in the Appalachians
Dwight Bradley, Erin Shea, Robert Buchwaldt, Sam Bowring, Jeff Benowitz, Paul O'Sullivan, and Andrew Mccauley

Articles in preparation but not formally assigned an issue number

16-00012:
Supergene alteration in the capricornio Au-Ag epithermal vein system, Antofagasta Region, Chile
Giuseppe Arfè, Maria Boni, Nicola Mondillo, Roberto Aiello, Giuseppina Balassone, Vernon Arseneau, and Dominik Soyk

16-00037:

Forensic igneous petrology: Locating the source quarry for the "Black Granite" Titanic headstones in Halifax, Nova Scotia, Canada

D. Barrie Clarke, Christopher R. M. Mcfarlane, David Hamilton, and David Stevens

16-00038:

Minerals in food: Crystal structures of ikaite and struvite from bacterial smears on washed-rind cheese

Gil F. Tansman, Paul S. Kindstedt, and John M. Hughes

15-00069:

Mineralogy and metal zoning of the Cambrian Zn-Pb-Cu-Ag-Au Lemarchant volcanogenic massive sulphide (VMS) deposit, Newfoundland

Shannon Brittany Gill, Stephen James Piercey, and Daniel Layton-Matthews

15-00087:

The phase relations in the system Fe—Ni—S from 875° to 650°C

Arashi Kitakaze, Takaaki Machida, and Ryuichi Komatsu

14-00101:

Meierite, a new barium mineral with a KFI-type zeolite framework from the Gun Claim, Yukon Canada

R.C. Peterson, Gunnar Farber, R. James Evans, Lee Groat, Laura MacNeil, Brian Joy, Barbara Lafuente, and Thomas Witzke

15-00088:

Chemographic Exploration Of The Milarite-Type Structure

Olivier C. Gagné and Frank C. Hawthorne

15-00023:

On the relationship between cathodoluminescence and the chemical composition of scheelite from geologically diverse ore-deposit environments

Rémy S. Poulin, Andrew M. McDonald, Daniel J. Kontak, and M. Beth McClenaghan

15-00052:

Composition of large zoned aluminum phosphate sulphate minerals: implications for fluid evolution in the Centennial Uranium Deposit Area, Athabasca Basin, Saskatchewan, Canada

Kyle D. Reid, Kevin Ansdell, Steven Creighton, and Eric G. Potter

15-00101:

Occurrences of slawsonite in rocks of the teschenite association in the Podbeskydí piedmont area (Czech Republic) and their petrological significance

Dalibor Matýsek and Jakub Jirásek

15-00104:

Trace element distribution (Cu, Ga, Ge, Cd and Fe) in sphalerite from the Tennessee MVT deposits, USA, by combined EMPA, LA-ICP-MS, Raman spectroscopy and crystallography

Julien Bonnet, Rée Mosser-Ruck, Marie-Camille Caumon, Olivier Rouer, Anne-Sylvie Andre-Mayer, Jean Cauzid, And Chantal Peiffert

15-00111:

Riotintoite, $\text{Al}(\text{SO}_4)(\text{OH}) \cdot 3\text{H}_2\text{O}$, a new mineral from La Vendida copper mine, Antofagasta Region, Chile

Nikita V. Chukanov, Sergey M. Aksenov, Ramiza K. Rastsvetaeva, Anthony R. Kampf, Gerhard Möhn, Dmitriy I. Belakovskiy, and Joachim A. Lorenz

16-00008:

From structure topology to chemical composition. XXII. Titanium Silicates: Revision of the crystal structure of jinshajiangite, $\text{NaBaFe}_{2+4}\text{Ti}_2(\text{Si}_2\text{O}_7)_2\text{O}_2(\text{OH})_2\text{F}$, a Group-II TS-block mineral
Fernando Cámara, Elena Sokolova, and Frank C. Hawthorne

15-00042:

Fluorcalciopyrochlore, a new mineral species from Bayan Obo, Inner Mongolia, P.R. China
Li Guowu, Yang Guangming, Lu Fude, Xiong Ming, Ge Xiangkun, Pan Baoming, and Jeffrey de Fourestier

15-00106:

Does altaite exhibit emphanitic behaviour? A high resolution neutron powder diffraction investigation of the crystallographic and thermoelastic properties of PbTe between 10 k and 500 k
Kevin S. Knight

14-00061:

Chemical trends in the meech lake carbonatites and fenites
Donald D. Hogarth

15-00050:

Petersite-(Ce), $\text{Cu}_2+6\text{Ce}(\text{PO}_4)_3(\text{OH})_6 \cdot 3\text{H}_2\text{O}$, a new mixite group mineral from Yavapai County, Arizona, USA
Shaunna M. Morrison, Kenneth J. Domanik, Hexiong Yang, and Robert T. Downs

15-00051:

Vesuvianite from Pajsberg, Sweden, and the role of Be in the vesuvianite structure
Sharon Fitzgerald, Peter B. Leavens, George R. Rossman, Glenn P. A. Yap, and Timothy Rose

15-00109:

Amphibole dusts: Fibers, fragments and mesothelioma
Ann Gilbert Wylie

16-00018:

Garronite-Na, a new zeolite species from Mont Saint-Hilaire, Quebec
Joel D. Grice, Ralph Rowe and Glenn Poirier

16-00007:

Halogen-bearing minerals from the Tamazeght complex (Morocco): Constraints on halogen distribution and evolution in alkaline to peralkaline magmatic systems
Lian-Xun Wang, Michael A.W. Marks, Thomas Wenzel, and Gregor Markl

15-00091:

Gahnite from the São João Del Rei Pegmatitic Province, Minas Gerais, Brazil: Chemical composition and genetic implications
Fabiano Richard Leite Faulstich, Ciro Alexandre Ávila, Reiner Neumann, Viktor S. L. Silveira, and Levi S. Callegario

16-00034:

The crystal structure of zircophyllite, $\text{K}_2\text{NaFe}_{2+7}\text{Zr}_2(\text{Si}_4\text{O}_{12})_2\text{O}_2(\text{OH})_4\text{F}$, an astrophyllite-supergroup mineral from Mont Saint-Hilaire, Québec, Canada
Elena Sokolova and Frank C. Hawthorne

16-00004:

Graphite-bearing pelitic schists and their altered equivalents in the Dufferin Lake Zone, south-central Athabasca Basin, Saskatchewan: Constraints on graphite formation and destruction, and implications for uranium mineralization

Marjolaine Pascal, Kevin Ansdell, Irvine R. Annesley, Tom Kotzer, and Dan Jiricka

16-00051:

Whiteite-(CaMgMg), $\text{CaMg}_3\text{Al}_2(\text{PO}_4)_4(\text{OH})_2 \cdot 8\text{H}_2\text{O}$, a new jahnsite-group mineral from the Northern Belle Mine, Candelaria, Nevada, U.S.A.

Anthony R. Kampf, Paul M. Adams, and Barbara P. Nash

16-00046:

Modal-space theory: A study in the mineralogical expression of tholeiitic compositions at $T > 850^\circ\text{C}$ in the lithosphere and mantle

Richard N. Abbott, Jr.

16-00031:

Replacement of uraninite by bornite via coupled dissolution-precipitation: Evidence from texture and microstructure

Edeltraud Macmillan, Cristiana L. Ciobanu, Kathy Ehrig, Nigel J. Cook, and Allan Pring

16-00006:

Laurite and associated PGM in the Stillwater chromitites: implications for processes of formation, and comparisons with laurite in the Bushveld and ophiolitic chromitites

Hazel M. Prichard, Sarah-Jane Barnes, Peter C. Fisher, Philippi Pagé, and Michael L. Zientek

16-00041:

Olivine + quartz + water \pm HCl at mid-crustal conditions: Controls on the growth of fibrous talc as determined from hydrothermal diamond anvil cell experiments

Ryan J Kerrigan, Philip A Candela, Philip M Piccoli, Mark Frank, and Ann G Wylie

16-00002:

Comparative Petrology of the Montpelier and Roseland Potassic Anorthosites, Virginia

Brent E. Owens and Robert F. Dymek

16-00025:

The occurrence of breithauptite and nisbite-like Sb-ni phases at Sindesar-Khurda, Rajasthan, India: Implication to melt-assisted sulfide remobilization

Govinda Rao, Rachit Parihar, Kamal Lochan Pruseth, and Biswajit Mishra

16-00045:

Mineralogy and crystallography of stokesite from Inner Mongolia, China

Yuan Xue, Guowu Li, and Guangming Yang

16-00056:

Ralstonite renamed hydrokenoralstonite, coulsellite renamed fluornatrocoulsellite, and their incorporation into the pyrochlore-supergrupp

Daniel Atencio, Marcelo Barbosa de Andrade, Artur C Bastos Neto, and Vitor P. Pereira

16-00052:

Looking for the Garamantian emerald: Reconsidering the green-coloured stone beads trade in the ancient Sahara

Andrea Zerboni, Pietro Vignola, Maria Carmela Gatto, Andrea Risplendente, and Lucia Mori

16-00048:

Detrital platinum-group minerals and gold in placers of southeastern Samar Island, Philippines
Thomas Oberthür, Frank Melcher, and Thorolf W. Weiser

16-00043:

Multistage tourmalines from the Galinge skarn deposit in Qiman Tagh, western China: A significant indicator for varying fluid composition

Miao Yu, Cheng You Feng, Yi Ming Zhao, Da Xin Li, Yongfeng Zhu, and Jingwen Mao

15-00014:

Partitioning of chlorine between NaCl brines and ferro-pargasite: Implications for the formation of chlorine-rich amphiboles in mafic rocks

Albert Chan, David M. Jenkins, and M. Darby Dyar