Mineralogical Magazine, October 2015, Vol. 79(5), pp. 1223–1230

CNMNC Newsletter

IMA Commission on New Minerals, Nomenclature and Classification (CNMNC)

NEWSLETTER 27

New minerals and nomenclature modifications approved in 2015

U. Hålenius[1] (Chairman, CNMNC), F. Hatert[2] (Vice-Chairman, CNMNC), M. Pasero[3] (Vice-Chairman, CNMNC) and S. J. Mills[4] (Secretary, CNMNC)

[1] Department of Mineralogy, Naturhistoriska Riksmuseet, Box 50007, SE-104 05 Stockholm, Sweden – ulf.halenius@nrm.se
[2] Laboratoire de Minéralogie, Université de Liège, B-4000 Liège, Belgium – fhatert@ulg.ac.be
[3] Dipartimento di Scienze della Terra, Università di Pisa, Via Santa Maria 53, I-56126 Pisa, Italy – marco.pasero@unipi.it
[4] Geosciences, Museum Victoria, PO Box 666, Melbourne, Victoria 3001, Australia – smills@museum.vic.gov.au

The information given here is provided by the IMA Commission on New Minerals, Nomenclature and Classification for comparative purposes and as a service to mineralogists working on new species.

Each mineral is described in the following format:

Mineral name, if the authors agree on its release prior to the full description appearing in press
Chemical formula
Type locality
Full authorship of proposal
E-mail address of corresponding author
Relationship to other minerals
Crystal system, Space group; Structure determined, yes or no
Unit-cell parameters
Strongest lines in the X-ray powder diffraction pattern
Type specimen repository and specimen number
Citation details for the mineral prior to publication of full description

Citation details concern the fact that this information will be published in the *Mineralogical Magazine* on a routine basis, as well as being added month by month to the Commission's web site.

It is still a requirement for the authors to publish a full description of the new mineral.

NO OTHER INFORMATION WILL BE RELEASED BY THE COMMISSION

DOI: 10.1180/minmag.2015.079.5.16

NEW MINERAL PROPOSALS APPROVED IN AUGUST 2015

IMA No. **2015-041**
Dachiardite-K
$K_4(Si_{20}Al_4O_{48})\cdot 13H_2O$
1 km NW of the village of Zvezdel, and 0.5 km E of the village of Austa, Momchilgrad Municipality, Eastern Rhodopes, Bulgaria
Nikita V. Chukanov*, Svetlana Encheva, Petko Petrov, Igor V. Pekov, Dmitriy I. Belakovskiy, Sergey N. Britvin and Sergey M. Aksenov
*E-mail: chukanov@icp.ac.ru
Zeolite supergroup
Monoclinic: *C*2/*m*, *Cm* or *C*2
$a = 18.670(8)$, $b = 7.511(3)$, $c = 10.231(4)$ Å, $\beta = 107.79(3)°$
9.76(24), 8.85(58), 4.985(13), 4.870(59), 3.807(16), 3.768(20), 3.457(100), 2.966(17)
Type material is deposited in the mineralogical collections of the Earth and Man National Museum, Sofia, Bulgaria, registration number 23927
How to cite: Chukanov, N.V., Encheva, S., Petrov, P., Pekov, I.V., Belakovskiy, D.I., Britvin, S.N. and Aksenov, S.M. (2015) Dachiardite-K, IMA 2015-041. CNMNC Newsletter No. 27, October 2015, page 1224; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-042**
Hydroterskite
$Na_2ZrSi_6O_{12}(OH)_6$
Saint-Amable sill, approximately 20 km ENE of Montréal, and 7 km E of the St. Lawrence River, Verchères county, Québec, Canada (45°39′N, 73°7′W)
Joel D. Grice*, Ralph Rowe and Glenn Poirier
*E-mail: jgrice@mus-nature.ca
Related to terskite
Orthorhombic: *Pnca*; structure determined
$a = 13.956(6)$, $b = 14.894(5)$, $c = 7.441(4)$ Å
7.427(56), 4.123(55), 3.716(53), 3.482(51), 3.322(100), 3.283(80), 3.158(54), 2.544(57)
Type material is deposited in the mineralogical collections of the Canadian Museum of Nature, P.O. Box 3443, Station D, Ottawa, Ontario K1P 6P4, catalogue number CMNMC 86896
How to cite: Grice, J.D., Rowe, R. and Poirier, G. (2015) Hydroterskite, IMA 2015-042. CNMNC Newsletter No. 27, October 2015, page 1224; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-043**
Lucchesiite
$CaFe_3^{2+}Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$
Ratnapura, Sri Lanka (6°35′N, 80°35′E) and Mirošov, near Strážek, western Moravia, Czech Republic (49°27′49.38″N, 16°9′54.34″E)
Ferdinando Bosi*, Henrik Skogby, Marco E. Ciriotti, Petr Gadas, Milan Novák, Jan Cempírek, Dalibor Všianský and Jan Filip
*E-mail: ferdinando.bosi@uniroma1.it
Tourmaline supergroup
Trigonal: *R*3*m*; structure determined
$a = 16.0018(7)$, $c = 7.2149(3)$ Å
SL: 4.236(42), 3.490(72), 2.970(99), 2.587(100), 2.048(65), 1.926(43), 1.666(38), 1.512(42)
CR: 6.424(53), 4.249(41), 4.007(29), 3.503(100), 2.979(100), 2.591(84), 2.413(22), 2.053(49)
Type material (SL) is deposited in the collections of the Museum of Mineralogy, Earth Sciences Department, Sapienza University of Rome, Piazzale Aldo Moro 5, 00185 Rome, catalogue number 33198/1. Co-type material (CR) is deposited in the Moravian Museum, Department of Mineralogy and Petrography, Zelný trh 6, Brno, Czech Republic, catalogue numbers A11137 and A11138
How to cite: Bosi, F., Skogby, H., Ciriotti, M.E., Gadas, P., Novák, M., Cempírek, J., Všianský, D. and Filip, J. (2015) Lucchesiite, IMA 2015-043. CNMNC Newsletter No. 27, October 2015, page 1224; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-045**
Hexacelsian
$BaAl_2Si_2O_8$
Hatrurim Basin, near Arad, Negev Desert, Israel (31°09′N, 35°17′E)
Irina O. Galuskina*, Evgeny V. Galuskin, Krystian Prusik, Yevgeny Vapnik, Piotr Dzierżanowski and Mikhail Murashko
*E-mail: irina.galuskina@us.edu.pl
A polymorph of celsian
Hexagonal: $P6_3/mcm$
$a = 5.292(1)$, $c = 15.557(2)$ Å
7.779(28), 3.949(100), 2.965(75), 2.646(44), 2.198(30), 1.852(20), 1.691(17), 1.582(22)

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press

Type material is deposited in the collections of the Mineralogical Museum, University of Wrocław, Cybulskiego 30, 50-205 Wrocław, Poland, catalogue number MMUWr II-20465
How to cite: Galuskina, I.O., Galuskin, E.V., Prusik, K., Vapnik, Y., Dzierżanowski, P. and Murashko, M. (2015) Hexacelsian, IMA 2015-045. CNMNC Newsletter No. 27, October 2015, page 1224; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-046**
Ilirneyite
$Mg_{0.5}[ZnMn^{3+}(TeO_3)_3]\cdot 4.5H_2O$
Sentyabr'skoe silver and gold deposit, 110 km ESE of the town of Bilibino, Western Chukotka, North-Eastern Region, Russia (67°41′N, 168°52′E)
Igor V. Pekov*, Oleg I. Siidra, Evgeniy A. Vlasov, Vasiliy O. Yapaskurt, Evgeniya A. Lukina, Yury S. Polekhovsky and Andrey V. Apletalin
*E-mail: igorpekov@mail.ru
The Mn^{3+} analogue of zemannite
Hexagonal: $P6_3/m$; structure determined
$a = 9.40(2)$, $c = 7.66(2)$ Å
8.18(100), 4.088(61), 3.847(14), 3.087(15), 2.977(16), 2.864(24), 2.796(52), 2.356(10)
Type material is deposited in the collections of the Fersman Mineralogical Museum of the Russian Academy of Sciences, Moscow, Russia, registration number 4720/1
How to cite: Pekov, I.V., Siidra, O.I., Vlasov, E.A., Yapaskurt, V.O., Lukina, E.A., Polekhovsky, Y.S. and Apletalin, A.V. (2015) Ilirneyite, IMA 2015-046. CNMNC Newsletter No. 27, October 2015, page 1225; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-047**
Itelmenite
$Na_4Mg_3Cu_3(SO_4)_8$
In several fumaroles on the Naboko cinder cone of the Great Fissure Eruption, Tolbachik volcano, Kamchatka Peninsula, Far-Eastern Region, Russia (55°46′06″N, 160°18′59″E, 1650 m asl)
Evgeny V. Nazarchuk, Oleg I. Siidra*, Atali A. Agakhanov, Evgeniya A. Lukina, Evgeniya Y. Avdontseva, Lidiya P. Vergasova, Stanislav K. Filatov and Gennady A. Karpov
*E-mail: o.siidra@spbu.ru
New structure type
Orthorhombic: *Pbca*; structure determined
$a = 9.568(2)$, $b = 8.790(2)$, $c = 28.715(8)$ Å
7.961(30), 7.180(31), 5.912(100), 3.845(62), 3.629(33), 3.491(26), 3.000(24), 2.939(52)
Type material is deposited in the collections of the Mineralogical Museum, Department of Mineralogy, St Petersburg State University, St Petersburg, Russia, specimen number 19637
How to cite: Nazarchuk, E.V., Siidra, O.I., Agakhanov, A.A., Lukina, E.A., Avdontseva, E.Y., Vergasova, L.P., Filatov, S.K. and Karpov, G.A. (2015) Itelmenite, IMA 2015-047. CNMNC Newsletter No. 27, October 2015, page 1225; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-049**
Joegoldsteinite
$MnCr_2S_4$
Social Circle iron meteorite, Walton Co., Georgia, USA
Junko Isa*, Chi Ma, Alan Rubin and John Wasson
*E-mail: jisa@ucla.edu
The Mn analogue of daubréelite
Cubic: $Fd\bar{3}m$
$a = 10.11$ Å
5.837(18), 3.574(34), 3.048(100), 2.528(58), 1.946(50), 1,787(95), 1,032(27), 0.799(40)
Type material is deposited in the Meteorite Collection, University of California, 595 Charles Young Drive East, Los Angeles, California 90095, USA, thick section TK724
How to cite: Isa, J., Ma, C., Rubin, A. and Wasson, J. (2015) Joegoldsteinite, IMA 2015-049. CNMNC Newsletter No. 27, October 2015, page 1225; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-050**
Hermannjahnite
$CuZn(SO_4)_2$
Naboko scoria cone, Great Fissure Eruption, Tolbachik volcano, Kamchatka Peninsula, Far-Eastern Region, Russia (55°46′N, 160°19′E, 1650 m asl)
Oleg I. Siidra*, Evgeny V. Nazarchuk, Atali A. Agakhanov, Evgeniya A. Lukina, Lidiya P. Vergasova, Stanislav K. Filatov, Igor V. Pekov, Gennady A. Karpov and Vasiliy O. Yapaskurt
*E-mail: o.siidra@spbu.ru
The Zn analogue of dravertite
Monoclinic: $P2_1/n$; structure determined

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press

$a = 4.8076(2)$, $b = 8.4785(3)$, $c = 6.7648(3)$ Å, $\beta = 93.041(3)°$
4.231(31), 4.177(100), 3.630(72), 3.486(25), 2.681(29), 2.648(69), 2.561(29), 2.428(63)
Type material is deposited in the collections of the Mineralogical Museum, Department of Mineralogy, St Petersburg State University, St Petersburg, Russia, specimen no. 19659
How to cite: Siidra, O.I., Nazarchuk, E.V., Agakhanov, A.A., Lukina, E.A., Vergasova, L.P., Filatov, S.K., Pekov, I.V., Karpov, G.A. and Yapaskurt, V.O. (2015) Hermannjahnite, IMA 2015-050. CNMNC Newsletter No. 27, October 2015, page 1225; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-051**
Grootfonteinite
$Pb_3O(CO_3)_2$
Kombat mine, Grootfontein District, Otjozondjupa Region, Namibia
Oleg I. Siidra*, Erik Jonsson, Nikita V. Chukanov, Igor V. Pekov, Diana O. Zinyakhina, Yury S. Polekhovsky and Vasiliy O. Yapaskurt
*E-mail: o.siidra@spbu.ru
Structurally related to hydrocerussite and plumbonacrite
Hexagonal: $P6_3mc$; structure determined
$a = 5.303(1)$, $c = 13.770(2)$ Å
4.353(9), 3.441(8), 3.244(100), 2.652(30), 2.627(12), 2.294(21), 2.267(5), 2.053(39)
Cotype material is deposited in the mineralogical collections of the Swedish Museum of Natural History, Stockholm, Sweden, catalogue number 20080176
How to cite: Siidra, O.I., Jonsson, E., Chukanov, N.V., Pekov, I.V., Zinyakhina, D.O., Polekhovsky, Y.S. and Yapaskurt, V.O. (2015) Grootfonteinite, IMA 2015-051. CNMNC Newsletter No. 27, October 2015, page 1226; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-052**
Manganiceladonite
$KMgMn^{3+}Si_4O_{10}(OH)_2$
Cerchiara mine, near Faggiona village, Val di Vara, La Spezia, Liguria, Italy (44°11′58″N, 9°42′1″E)
Giovanni O. Lepore*, Luca Bindi, Paola Bonazzi, Marco E. Ciriotti, Francesco Di Benedetto, Enrico Mugnaioli, Cecilia Viti and Alberto Zanetti
*E-mail: giovanniorazio.lepore@unifi.it
The Mn^{3+} analogue of celadonite
Monoclinic: $C2$ or $C2/m$
$a = 5.15(1)$, $b = 8.92(1)$, $c = 10.30(1)$ Å, $\beta = 102.0(1)°$
10.055(100), 5.033(8), 4.482(6), 3.359(60), 3.328(49), 3.034(19), 2.686(6), 2.015(15)
Type material is deposited in the mineralogical collections of the Museo di Storia Naturale, Università di Firenze, Via La Pira 4, I-50121, Firenze (Italy), catalogue number 3164/I
How to cite: Lepore, G.O., Bindi, L., Bonazzi, P., Ciriotti, M.E., Di Benedetto, F., Mugnaioli, E., Viti, C. and Zanetti, A. (2015) Manganiceladonite, IMA 2015-052. CNMNC Newsletter No. 27, October 2015, page 1226; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-053**
Kainotropite
$Cu_4Fe^{3+}O_2(V_2O_7)(VO_4)$
Yadovitaya (Poisonous) fumarole, Second scoria cone of the Northern Breakthrough of the Great Tolbachik Fissure Eruption, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia (55°41′N, 160°14′E, 1200 m asl)
Igor V. Pekov*, Natalia V. Zubkova, Vasiliy O. Yapaskurt, Yury S. Polekhovsky, Sergey N. Britvin, Anna G. Turchkova, Evgeny G. Sidorov and Dmitry Y. Pushcharovsky
*E-mail: igorpekov@mail.ru
New structure type
Orthorhombic: $Pnma$; structure determined
$a = 14.139(2)$, $b = 6.7102(7)$, $c = 11.418(1)$ Å
8.89(100), 5.728(33), 3.698(35), 3.651(25), 3.357(52), 3.034(77), 2.968(60), 2.655(27)
Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, registration number 4721/1
How to cite: Pekov, I.V., Zubkova, N.V., Yapaskurt, V.O., Polekhovsky, Y.S., Britvin, S.N., Turchkova, A.G., Sidorov, E.G. and Pushcharovsky, D.Y. (2015) Kainotropite, IMA 2015-053. CNMNC Newsletter No. 27, October 2015, page 1226; *Mineralogical Magazine*, **79**, 1229–1236.

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press

IMA No. **2015-054**
Ferro-ferri-hornblende
$\square Ca_2(Fe_4^{2+}Fe^{3+})(Si_7Al)O_{22}(OH)_2$
Traversella Mine, Val Chiusella, Canavese, Torino, Piedmont, Italy (45°30′49″N, 7°45′26″E)
Roberta Oberti*, Massimo Boiocchi, Frank C. Hawthorne, Neil A. Ball, Renato Pagano and Adriana Pagano
*E-mail: oberti@crystal.unipv.it
Amphibole supergroup
Monoclinic: *C*2/*m*; structure determined
$a = 9.9307(5)$, $b = 18.223(1)$, $c = 5.3190(3)$ Å, $\beta = 104.857(1)°$
8.493(100), 3.406(26), 3.151(47), 2.728(69), 2.615(32), 2.555(37), 2.359(38), 2.180(25)
Type material is deposited in the collections of the Museo di Mineralogia, Dipartimento di Scienze della Terra e dell'Ambiente, Università di Pavia, catalogue number 2015-01
How to cite: Oberti, R., Boiocchi, M., Hawthorne, F.C., Ball, N.A., Pagano, R. and Pagano, A. (2015) Ferro-ferri-hornblende, IMA 2015-054. CNMNC Newsletter No. 27, October 2015, page 1227; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-055**
Tatarinovite
$Ca_3Al(SO_4)[B(OH)_4](OH)_6 \cdot 12H_2O$
Western wall of the Southern open pit, Bazhenovskoe deposit, Asbest, Sverdlovsk Oblast, Central Urals, Russia (57°5′N, 61°30′E)
Nikita V. Chukanov, Anatoly V. Kasatkin, Natalia V. Zubkova, Sergey N. Britvin, Leonid A. Pautov, Igor V. Pekov, Dmitry A. Varlamov, Yana V. Bychkova, Alexander B. Loskutov and Elena A. Novgorodova
*E-mail: chukanov@icp.ac.ru
Ettringite group
Hexagonal: $P6_3$; structure determined
$a = 11.1110(4)$, $c = 10.6294(6)$ Å
9.63(100), 5.556(30), 4.654(14), 3.841(21), 3.441(12), 2.746(10), 2.538(12), 2.186(9)
Cotype material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, registration numbers 4736/1 and 4736/2
How to cite: Chukanov, N.V., Kasatkin, A.V., Zubkova, N.V., Britvin, S.N., Pautov, L.A., Pekov, I.V., Varlamov, D.A., Bychkova, Y.V., Loskutov, A.B. and Novgorodova, E.A. (2015) Tatarinovite, IMA 2015-055. CNMNC Newsletter No. 27, October 2015, page 1227; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-056**
Maneckiite
$(Na\square)Ca_2Fe_2^{2+}(Fe^{3+}Mg)Mn_2(PO_4)_6 \cdot 2H_2O$
In the middle part of the Góry Sowie Block, Michałkowa, ca. 70 km SW of Wrocław, Poland (50°45′N, 16°27′E)
Adam Pieczka*, Frank C. Hawthorne, Bożena Gołębiowska and Adam Włodek
*E-mail: pieczka@agh.edu.pl
Wicksite group
Orthorhombic: *Pcab*; structure determined
$a = 12.526(4)$, $b = 12.914(5)$, $c = 11.664(4)$ Å
3.020(68), 2.942(29), 2.916(78), 2.869(31), 2.844(35), 2.825(30), 2.759(100), 2.121(30)
Cotype material is deposited in the collections of the Mineralogical Museum, University of Wrocław, Cybulskiego 30, 50-205 Wrocław, Poland, catalogue number MMWr IV7674 and MMWr IV7676
How to cite: Pieczka, A., Hawthorne, F.C., Gołębiowska, B. and Włodek, A. (2015) Maneckiite, IMA 2015-056. CNMNC Newsletter No. 27, October 2015, page 1227; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-057**
Wiklundite
$Pb_2(Mn^{2+},Zn)_3(Fe^{3+},Mn^{2+})_2(Mn^{2+},Mg)_{19}(As^{3+}O_3)_2(Si,As^{5+}O_4)_6(OH)_{18}Cl_6$
Långban, Filipstad, Värmland, Sweden (59.85°N, 14.27°E)
Mark A. Cooper, Frank C. Hawthorne*, Jörgen Langhof, Ulf Hålenius and Dan Holtstam
*E-mail: frank_hawthorne@umanitoba.ca
New structure type
Trigonal: $R\bar{3}c$; structure determined
$a = 8.257(2)$, $c = 126.59(4)$ Å
4.128(83), 4.052(58), 3.251(45), 3.098(81), 2.882(100), 2.805(90), 2.384(70), 2.320(56)
Type material is deposited in the collections of the Department of Geosciences, Swedish Museum of Natural History, Box 50007, SE-10405 Stockholm, Sweden, collection number NRM#20040085
How to cite: Cooper, M.A., Hawthorne, F.C., Langhof, J., Hålenius, U. and Holtstam, D. (2015) Wiklundite, IMA 2015-057. CNMNC Newsletter No. 27, October 2015, page 1227; *Mineralogical Magazine*, **79**, 1229–1236.

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press

IMA No. **2015-058**
Shumwayite
$(UO_2)_2(SO_4)_2 \cdot 5H_2O$
Green Lizard Mine and Giveaway-Simplot mine, White Canyon mining district, San Juan Co., Utah, USA (37°34′37.10″N, 110°17′52.80″W and 37°33′09.80″N, 110°16′58.50″W)
Anthony R. Kampf*, Jakub Plášil, Anatoly V. Kasatkin, Joe Marty, Jiří Čejka and Ladislav Lapčák
*E-mail: akampf@nhm.org
New structure type
Monoclinic: $P2_1/c$; structure determined
$a = 6.7475(1)$, $b = 12.5026(3)$, $c = 16.903(1)$ Å, $\beta = 90.919(6)°$
6.97(39), 5.58(48), 5.11(100), 4.86(44), 4.40(38), 4.04(47), 3.459(42), 3.373(50)
Cotype material is deposited in the mineralogical collections of the Natural History Museum of Los Angeles County, 900 Exposition Boulevard, Los Angeles, CA 90007, USA, catalogue numbers 65589 and 65590 (GLM), 65591 and 65592 (GSM), and the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, registration number 4741/1 (GLM)
How to cite: Kampf, A.R., Plášil, J., Kasatkin, A.V., Marty, J., Čejka, J. and Lapčák, L. (2015) Shumwayite, IMA 2015-058. CNMNC Newsletter No. 27, October 2015, page 1228; *Mineralogical Magazine*, **79**, 1229–1236.

NEW MINERAL PROPOSALS APPROVED IN SEPTEMBER 2015

IMA No. **2015-034**
Wilancookite
$(Ba,K,Na)_8(Ba,Li,\square)_6Be_{24}P_{24}O_{96} \cdot 32H_2O$
Lavra Ponte do Piauí complex granitic pegmatite, Itinga, Jequitinhonha, Minas Gerais, Brazil (16°43′33″S, 41°53′55″W)
Luiz A.D. Menezes Filho, Frédéric Hatert*, Simon Philippo, Luisa Ottolini, Fabrice Dal Bo, Ricardo Scholz, Mário L.S.C. Chaves, Hexiong Yang and Robert T. Downs
*E-mail: fhatert@ulg.ac.be
Related to pahasapaite
Cubic: $I23$; structure determined
$a = 13.5398(2)$ Å
6.90(60), 5.54(80), 3.630(60), 3.212(70), 3.043(100), 2.885(70), 2.774(80), 2.398(60)
Cotype material is deposited in the collections of the Laboratory of Mineralogy, University of Liège, catalogue number 20394, and the Natural History Museum of Luxembourg, catalogue number 2011-33
How to cite: Menezes Filho, L.A.D., Hatert, F., Philippo, S., Ottolini, L., Dal Bo, F., Scholz, R., Chaves, M.L.S.C., Yang, H. and Downs, R.T. (2015) Wilancookite, IMA 2015-034. CNMNC Newsletter No. 27, October 2015, page 1228; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-044**
Cyprine
$Ca_{19}Cu^{2+}(Al_{10}Mg_2)Si_{18}O_{68}(OH)_{10}$
Wessels mine, near Hotazel, Kalahari Manganese Field, North Cape Province, South Africa Africa (27°12′S, 22°58′E)
Taras L. Panikorovskii, Vladimir V. Shilovskikh, Evgenia Y. Avdontseva, Andrey A. Zolotarev, Igor V. Pekov, Sergey N. Britvin and Sergey V. Krivovichev*
*E-mail: skrivovi@mail.ru
Vesuvianite group
Tetragonal: $P4/n$; structure determined
$a = 15.5173(4)$, $c = 11.8230(5)$ Å
5.89(12), 3.482(10), 3.007(12), 2.950(47), 2.752(100), 2.594(76), 2.459(35), 1.622(28)
Type material is deposited in the collections of the Mineralogical Museum of St. Petersburg State University, catalogue no. 1/19536
How to cite: Panikorovskii, T.L., Shilovskikh, V.V., Avdontseva, E.Y., Zolotarev, A.A., Pekov, I.V., Britvin, S.N. and Krivovichev, S.V. (2015) Cyprine, IMA 2015-044. CNMNC Newsletter No. 27, October 2015, page 1228; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-048**
Charleshatchettite
$CaNb_4O_{10}(OH)_2 \cdot 8H_2O$
Poudrette quarry, Mont Saint-Hilaire, La-Vallée-du-Richelieu RCM, Montérégie, Québec, Canada (45°33′46″N, 73°8′30″W)
Monika M. Haring* and Andrew M. McDonald
*E-mail: mx_haring@laurentian.ca
Chemically similar to hochelagaite
Monoclinic: $C2/c$; structure determined
$a = 21.151(4)$, $b = 6.496(1)$, $c = 12.714(3)$ Å, $\beta = 103.958(3)°$
10.308(100), 4.832(38), 4.731(39), 3.262(25), 3.193(25), 3.108(24), 2.697(20), 2.071(27)

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press

Type material is deposited in the mineralogical collections of the Canadian Museum of Nature, Gatineau, Quebec, Canada J9J 3N7, catalogue number CMNMC 86894

How to cite: Haring, M.M. and McDonald, A.M. (2015) Charleshatchettite, IMA 2015-048. CNMNC Newsletter No. 27, October 2015, page 1228; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-059**

Plavnoite

$K_{0.8}Mn_{0.6}[(UO_2)_2O_2(SO_4)]\cdot 3.5H_2O$

Plavno mine, Jáchymov, Western Bohemia, Czech Republic

Jakub Plášil*, Pavel Škácha, Radek Škoda, Anthony R. Kampf, Jiří Sejkora, Jiří Čejka, Jan Hloušek, Anatoly V. Kasatkin, Radim Pavlíček and Karel Babka

*E-mail: plasil@fzu.cz

Related to zippeite

Monoclinic: *C*2/*m*; structure determined

$a = 8.6288(8)$, $b = 14.2755(9)$, $c = 8.8598(8)$ Å, $\beta = 104.040(4)°$

8.590(27), 7.133(100), 5.489(13), 3.565(25), 3.446(36), 3.104(47), 2.8650(14), 2.6582(15)

Cotype material is deposited in the collections of the National Museum, Department of Mineralogy and Petrology, Cirkusová 1740, Praha 9, Czech Republic, catalogue number P1P 4/2015, the Natural History Museum of Los Angeles County, 900 Exposition Boulevard, Los Angeles, CA 90007, USA, catalogue number 65588, and the Fersman Mineralogical Museum, Russian Academy of Sciences, Leninsky Ave, Moscow, Russia, registration number 4740/1

How to cite: Plášil, J., Škácha, P., Škoda, R., Kampf, A.R., Sejkora, J., Čejka, J., Hloušek, J., Kasatkin, A.V., Pavlíček, R. and Babka, K. (2015) Plavnoite, IMA 2015-059. CNMNC Newsletter No. 27, October 2015, page 1229; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-060**

Honeaite

Au_3TlTe_2

Karonie Mine, Cowarna Downs Station, Western Australia, Australia (31°02′08″S, 122°33′39″E)

Clive M. Rice*, Mark D. Welch, John W. Still, Alan J. Criddle and Chris J. Stanley

*E-mail: c.rice@abdn.ac.uk

New structure type

Orthorhombic: *Pbcm*; structure determined

$a = 8.9671(4)$, $b = 8.8758(4)$, $c = 7.8419(5)$ Å

2.989(31), 2.938(100), 2.833(23), 2.296(14), 2.219(15), 2.095(47), 1.960(16), 1.853(17)

Type material is deposited in the mineralogical collections of the Natural History Museum, London, catalogue number BM 2015, 36

How to cite: Rice, C.M., Welch, M.D., Still, J.W., Criddle, A.J. and Stanley, C.J. (2015) Honeaite, IMA 2015-060. CNMNC Newsletter No. 27, October 2015, page 1229; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-061**

Wampenite

$C_{18}H_{16}$

Wampen, Fichtelgebirge, Bavaria, Germany

Stuart J. Mills*, Anthony R. Kampf, Fabrizio Nestola, Peter A. Williams, Peter Leverett, Leila Hejazi, David E. Hibbs, Maria Mrorsko, Matteo Alvaro and Anatoly V. Kasatkin

*E-mail: smills@museum.vic.gov.au

New structure type

Monoclinic: $P2_1/a$; structure determined

$a = 6.733(2)$, $b = 8.689(3)$, $c = 23.709(7)$ Å, $\beta = 90.118(6)°$

11.92(49), 5.32(43), 4.88(10), 4.366(28), 3.656(23), 3.504(33), 3.328(8), 2.164(9)

Type material is deposited in the collections of the Mineral Sciences Department, Natural History Museum of Los Angeles County (900 Exposition Boulevard, Los Angeles, California 90007, USA), catalogue number 63558

How to cite: Mills, S.J., Kampf, A.R., Nestola, F., Williams, P.A., Leverett, P., Hejazi, L., Hibbs, D.E., Mrorsko, M., Alvaro, M. and Kasatkin, A.V. (2015) Wampenite, IMA 2015-061. CNMNC Newsletter No. 27, October 2015, page 1229; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-062**

Fluorcarmoite-(BaNa)

$Ba\square Na_2Na_2\square CaMg_{13}Al(PO_4)_{11}(PO_3OH)F_2$

Maremola Creek, near the village of Isallo, Magliolo, Savona, Liguria, Italy (44°12′06″N, 8°12′29″E)

Fernando Cámara*, Erica Bittarello, Marco E. Ciriotti, Fabrizio Nestola, Francesco Radica and Roberto Bracco

*E-mail: fernando.camaraartigas@unito.it

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press

Arrojadite group
Monoclinic: *Cc*; structure determined
$a = 16.4013(3)$, $b = 9.9487(1)$, $c = 24.4536(8)$ Å, $\beta = 105.725(2)°$
4.959(25), 4.570(24), 3.188(28), 3.012(100), 2.818(28), 2.735(32), 2.682(39), 2.526(25)
Type material is deposited in the collections of the Museo Regionale di Scienze Naturali, Sezione di Mineralogia, Petrografia e Geologia, via Giovanni Giolitti 36, I-10123 Torino, Italy, catalogue number M/15940
How to cite: Cámara, F., Bittarello, E., Ciriotti, M.E., Nestola, F., Radica, F. and Bracco, R. (2015) Fluorcarmoite-(BaNa), IMA 2015-062. CNMNC Newsletter No. 27, October 2015, page 1229; *Mineralogical Magazine*, **79**, 1229–1236.

IMA No. **2015-064**
Lislkirchnerite
$Pb_6Al(OH)_8Cl_2(NO_3)_5 \cdot 2H_2O$
Nueva Esperanza no. 1 mine (–10 m sublevel), Capillitas deposit, Andalgalá Department, Catamarca Province, Argentina (27°20′30″S, 66°23′W)
Herta Effenberger*, Christian L. Lengauer, Eugen Libowitzky, Hubert Putz and Dan Topa
*E-mail: herta.silvia.effenberger@univie.ac.at
New structure type
Monoclinic: $P2_1/n$; structure determined
$a = 10.7834(6)$, $b = 9.0584(5)$, $c = 13.6178(9)$ Å, $\beta = 102.28(2)°$
7.490(50), 6.479(100), 5.256(60), 4.601(50), 3.455(40), 3.395(80), 2.916(40), 2.716(40)
Type material is deposited in the mineralogical collections of the Naturhistorisches Museum, Wien, Austria, catalogue number N 9835
How to cite: Effenberger, H., Lengauer, C.L., Libowitzky, E., Putz, H. and Topa, D. (2015) Lislkirchnerite, IMA 2015-064. CNMNC Newsletter No. 27, October 2015, page 1230; *Mineralogical Magazine*, **79**, 1229–1236.

NOMENCLATURE PROPOSALS APPROVED IN SEPTEMBER 2015

IMA 15-K: Thérèsemagnanite (redefined) and **cobaltogordaite** (discredited)
Proposal 15-K is accepted, and thérèsemagnanite is redefined as a mineral of the gordaite group, with formula $NaCo_4(SO_4)(OH)_6Cl \cdot 6H_2O$. Cobaltogordaite, a new mineral species recently defined by Kasatkin *et al.* (2014) (IMA 2014-043; see CNMNC Newsletter 22) and identical to thérèsemagnanite, is discredited. All data given in proposal IMA 2014-043 now correspond to thérèsemagnanite. The neotype specimen is deposited in the Fersman Mineralogical Museum of the Russian Academy of Sciences, Moscow, Russia, registration number 4561/1.

https://doi.org/10.1180/minmag.2015.079.5.16 Published online by Cambridge University Press