



IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 40

NEW MINERALS AND NOMENCLATURE MODIFICATIONS APPROVED IN 2017

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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 *European Journal of Mineralogy* 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

NEW MINERAL PROPOSALS APPROVED IN OCTOBER 2017

IMA No. 2017-064

Silesiaite

$\text{Ca}_2\text{Fe}^{3+}\text{Sn}(\text{Si}_2\text{O}_7)(\text{Si}_2\text{O}_6\text{OH})$

In a pegmatite of the Karkonosze granite, Szklarska Poreba Huta quarry, Lower Silesia, Poland (50.82778 N, 15.48944 E)

Adam Pieczka*, Chi Ma, George R. Rossman, R. James Evans, Lee A. Groat and Bozena Gołębowska

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The Fe^{3+} analogue of kristiansenite

Triclinic: C1

$a = 10.028(1)$, $b = 8.408(1)$, $c = 13.339(2)$ Å, $\alpha = 90.01(1)$, $\beta = 109.10(1)$, $\gamma = 90.00(1)^\circ$
 $9.147(100)$, $8.408(12)$, $6.607(64)$, $5.195(6)$, $4.413(10)$,
 $3.312(7)$, $3.151(12)$, $3.095(9)$

$a = 54.576(5)$, $b = 7.8947(6)$, $c = 20.102(16)$ Å,
 $\beta = 78.153(1)^\circ$
 $9.84(58)$, $3.870(69)$, $3.522(100)$, $3.464(52)$, $2.966(64)$,
 $2.955(87)$, $2.762(71)$, $2.758(70)$

Type material is deposited in the reference collections of the Naturhistorisches Museum Wien, Burgring 7, A-1010 Wien, Austria, catalogue number N 9863
How to cite: Topa, D., Stoeger, B., Makovicky, E. and Stanley, C. (2017) Dekatriasartorite, IMA 2017-071. CNMNC Newsletter No. 40, December 2017, page 1084; *European Journal of Mineralogy*, **29**, 1083–1087.

IMA No. 2017-072

Oberthürite
 $\text{Rh}_3\text{Ni}_{32}\text{S}_{32}$
Marathon deposit, Coldwell Complex, Ontario, Canada ($48^\circ 48' 7''\text{N}$, $86^\circ 18' 35''\text{W}$)
Andrew M. McDonald*, Ingrid M. Kjarsgaard, Kirk C. Ross, Doreen E. Ames, Louis J. Cabri and David J. Good
*E-mail: amcdonald@laurentian.ca

Pentlandite group
Cubic: $F\bar{4}3m$; structure determined

$a = 10.066(5)$ Å
 $3.060(100)$, $2.929(18)$, $1.952(39)$, $1.792(74)$, $1.543(9)$,
 $1.318(15)$, $1.031(30)$, $0.976(10)$
Type material is deposited in the mineralogical collections of the Canadian Museum of Nature, Gatineau, Quebec, Canada, catalogue number 87251
How to cite: McDonald, A.M., Kjarsgaard, I.M., Ross, K.C., Ames, D.E., Cabri, L.J. and Good, D.J. (2017) Oberthürite, IMA 2017-072. CNMNC Newsletter No. 40, December 2017, page 1085; *European Journal of Mineralogy*, **29**, 1083–1087.

IMA No. 2017-073

Ammoniozippeite
 $(\text{NH}_4)_2[(\text{UO}_2)_2(\text{SO}_4)\text{O}_2]\cdot\text{H}_2\text{O}$
Blue Lizard Mine, Red Canyon, White Canyon mining district, San Juan Co., Utah, USA ($37^\circ 33' 26''\text{N}$, $110^\circ 17' 44''\text{W}$); Burro mine, Slick Rock district, San Miguel Co., Colorado, USA ($38^\circ 2' 42''\text{N}$ $108^\circ 53' 23''\text{W}$)
Anthony R. Kampf*, Jakub Plášil, Travis A. Olds, Barbara P. Nash and Joe Marty

*E-mail: akampf@nhm.org
The (NH_4) analogue of zuppeite

Orthorhombic: $Ccmb$; structure determined
 $a = 8.7944(3)$, $b = 14.3296(7)$, $c = 17.172(1)$ Å
 $7.17(100)$, $4.270(13)$, $3.670(14)$, $3.580(21)$, $3.489(42)$,
 $3.138(63)$, $1.750(14)$, $1.697(18)$
Type 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 number 66625 (Burro – holotype) and 66626 (Blue Lizard – cotype)

How to cite: Kampf, A.R., Plášil, J., Olds, T.A., Nash, B.P. and Marty, J. (2017) Ammoniozippeite, IMA 2017-073. CNMNC Newsletter No. 40, December 2017, page 1085; *European Journal of Mineralogy*, **29**, 1083–1087.

IMA No. 2017-074

Hydroxynatropyrochlore
 $(\text{Na,Ca,Ce})_2\text{Nb}_2\text{O}_6(\text{OH})$

Phoscorite-carbonatite pipe, Kovdor massif, Murmansk Region, Russia
Gregory Y. Ivanyuk, Victor N. Yakovenchuk, Taras L. Panikorovskii, Nataliya Konoplyova, Yakov A. Pakhomovsky, Ayya V. Bazai, Vladimir N. Bocharov and Sergey V. Krivovichev

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Pyrochlore supergroup
Cubic: $Fd\bar{3}m$; structure determined

$a = 10.3276(5)$ Å
 $5.96(47)$, $3.110(30)$, $2.580(100)$, $2.368(19)$, $1.987(6)$,
 $1.826(25)$, $1.746(3)$, $1.556(14)$

Type material is deposited in the collections of the Mineralogical Museum, Saint-Petersburg State University, University Emb. 7/9, St. Petersburg 199034, Russia, catalogue number 1/19679

How to cite: Ivanyuk, G.Y., Yakovenchuk, V.N., Panikorovskii, T.L., Konoplyova, N., Pakhomovsky, Y.A., Bazai, A.V., Bocharov, V.N. and Krivovichev, S. V. (2017) Hydroxynatropyrochlore, IMA 2017-074. CNMNC Newsletter No. 40, December 2017, page 1085; *European Journal of Mineralogy*, **29**, 1083–1087.

IMA No. 2017-075

Hydroxypyromorphite

$\text{Pb}_5(\text{PO}_4)_3(\text{OH})$
Copps mine, Gogebic Co., Michigan, USA
($46^\circ 27' 24''\text{N}$, $89^\circ 39' 38''\text{W}$)

Travis A. Olds*, Shawn M. Carlson, Anthony R. Kampf, John Rakovan, Cullen Laughlin-Yurs, Peter C. Burns and Owen P. Mills

*E-mail: tolds@nd.edu

Apatite supergroup

Hexagonal: $P6_3/m$; structure determined
 $a = 9.787(1)$, $c = 7.307(1)$ Å
 $4.079(18)$, $3.359(29)$, $3.207(21)$, $2.934(100)$, $2.035(21)$, $1.942(27)$, $1.834(25)$, $1.592(17)$

Type 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 number 66627
How to cite: Olds, T.A., Carlson, S.M., Kampf, A.R., Rakovan, J., Laughlin-Yurs, C., Burns, P.C. and Mills, O. P. (2017) Hydroxypyromorphite, IMA 2017-075. CNMNC Newsletter No. 40, December 2017, page 1085; *European Journal of Mineralogy*, **29**, 1083–1087.

NOMENCLATURE PROPOSALS APPROVED IN OCTOBER 2017

Gatelite supergroup

A new classification and nomenclature scheme has been approved for the minerals of the gatelite supergroup. The supergroup is divided into three groups: gatelite group, västmanlandite group, alnaperbœite group.

Schoonerite group

A new classification and nomenclature scheme has been approved for the minerals of the schoonerite group. Currently the group includes three mineral species: schoonerite, wilhelmgümbelite, and schmidite.