Mineralogical Magazine, August 2017, Vol. 81(4), pp. 1033–1038

CNMNC Newsletter

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

NEWSLETTER 38

New minerals and nomenclature modifications approved in 2017

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 powder X-ray 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

https://doi.org/10.1180/minmag.2017.081.062

NEW MINERAL PROPOSALS APPROVED IN JUNE 2017

IMA No. **2017-018**
Shenzhuangite
$NiFeS_2$
Suizhou meteorite, fell in Dayanpo, 12.5 km SE of Suizhou, Hubei, China
Luca Bindi* and Xiande Xie
*E-mail: luca.bindi@unifi.it
Chalcopyrite group
Tetragonal: $I\bar{4}2d$; structure determined
$a = 5.3121(4)$, $c = 10.4772(7)$ Å
3.05(100), 2.652(5), 1.875(20), 1.591(25), 1.330(5), 1.215(10), 1.080(10)
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 3238/I
How to cite: Bindi, L. and Xie, X. (2017) Shenzhuangite, IMA 2017-018. CNMNC Newsletter No. 38, August 2017, page 1034; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-019**
Vanadiopargasite
$NaCa_2(Mg_4V)[Si_6Al_2]O_{22}(OH)_2$
Pereval marble quarry, near Sludyanka town, Irkutsk region, Southern Lake Baikal, Siberia, Russia (51°37′N, 103°38′E)
Leonid Z. Reznitsky*, Evgeny V. Sklyarov, Georgia Cametti, Thomas Armbruster, Zinaida F. Ushchapovskaya, Ludmila F. Suvorova and Igor G. Barash
*E-mail: garry@crust.irk.ru
Amphibole supergroup
Monoclinic: $C2/m$; structure determined
$a = 9.914(3)$, $b = 18.003(2)$, $c = 5.300(2)$ Å, $\beta = 105.69(3)°$
8.98(15), 8.43(40), 3.27(30), 3.14(100), 2.82(35), 2.70(18), 2.34(15), 1.445(25)
Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, catalogue numbers 5035/1, 5035/2 and 5035/3
How to cite: Reznitsky, L.Z., Sklyarov, E.V., Cametti, G., Armbruster, T., Ushchapovskaya, Z.F., Suvorova, L.F. and Barash, I.G. (2017) Vanadiopargasite, IMA 2017-019. CNMNC Newsletter No. 38, August 2017, page 1034; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-020**
Alumoedtollite
$K_2NaCu_5AlO_2(AsO_4)_4$
Arsenatnaya 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, Atali A. Agakhanov, Evgeny G. Sidorov, Dmitry A. Ksenofontov, Sergey N. Britvin and Dmitry Y. Pushcharovsky
*E-mail: igorpekov@mail.ru
The Al analogue of edtollite
Triclinic: $P\bar{1}$; structure determined
$a = 5.090(1)$, $b = 9.078(1)$, $c = 9.6658(2)$ Å, $\alpha = 110.33(2)$, $\beta = 102.46(2)$, $\gamma = 92.79(1)°$
8.78(100), 7.62(67), 3.418(100), 3.147(52), 2.843(51), 2.558(58), 2.544(65), 2.528(52)
Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, catalogue number 5032/1
How to cite: Pekov, I.V., Zubkova, N.V., Agakhanov, A.A., Sidorov, E.G., Ksenofontov, D.A., Britvin, S.N. and Pushcharovsky, D.Y. (2017) Alumoedtollite, IMA 2017-020. CNMNC Newsletter No. 38, August 2017, page 1034; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-021**
Kamenevite
$K_2TiSi_3O_9 \cdot H_2O$
Oleniy Ruchey underground mine, Mt. Suoluaiv, Khibiny, Kola Peninsula, Russia
Igor V. Pekov*, Natalia V. Zubkova, Vasiliy O. Yapaskurt, Dmitry I. Belakovskiy, Inna S. Lykova, Sergey N. Britvin, Anna G. Turchkova and Dmitry Y. Pushcharovsky
*E-mail: igorpekov@mail.ru
The Ti analogue of umbite
Orthorhombic: $P2_12_12_1$; structure determined
$a = 9.9166(4)$, $b = 12.9561(5)$, $c = 7.1374(3)$ Å
7.92(70), 6.51(47), 5.823(95), 3.213(38), 2.988(84), 2.954(100), 2.906(68), 2.834(69)
Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, catalogue number 5027/1
How to cite: Pekov, I.V., Zubkova, N.V., Yapaskurt, V.O., Belakovskiy, D.I., Lykova, I.S.,

https://doi.org/10.1180/minmag.2017.081.062 Published online by Cambridge University Press

Britvin, S.N., Turchkova, A.G. and Pushcharovsky, D.Y. (2017) Kamenevite, IMA 2017-021. CNMNC Newsletter No. 38, August 2017, page 1034; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-022**

Ammoniovoltaite

$(NH_4)_2Fe_5^{2+}Fe_3^{3+}Al(SO_4)_{12}(H_2O)_{18}$

Severo-Kambalny geothermal field, Kambalny volcanic ridge, Kamchatka Peninsula, Russia (51.42854°N, 156.87341°E)

Elena S. Zhitova*, Oleg I. Siidra, Vladimir V. Shilovskikh, Dmitry I. Belakovsky, Anton A. Nuzhdaev and Rezeda M. Ismagilova

*E-mail: zhitova_es@mail.ru

Voltaite group

Cubic: $Fd\bar{3}c$; structure determined

$a = 27.250(1)$ Å

9.67(74), 7.90(56), 5.58(84), 3.560(100), 3.418(100), 3.057(28), 2.866(37), 2.091(33)

Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Leninsky prospect 18 korp 2, Moscow 119071, Russia, catalogue number 5030/1

How to cite: Zhitova, E.S., Siidra, O.I., Shilovskikh, V.V., Belakovsky, D.I., Nuzhdaev, A.A. and Ismagilova, R.M. (2017) Ammoniovoltaite, IMA 2017-022. CNMNC Newsletter No. 38, August 2017, page 1035; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-024**

Somersetite

$Pb_8O_2(OH)_2(CO_3)_5$

Torr Works (Merehead) Quarry, East Cranmore, Somerset, England, U.K.

Oleg I. Siidra*, Diana O. Nekrasova, Rick Turner, Anatoly N. Zaitsev, Nikita V. Chukanov, John Spratt, Yury S. Polekhovsky and Mike Rumsey

*E-mail: o.siidra@spbu.ru

New structure type

Trigonal: $P31c$; structure determined

$a = 5.2427(7)$, $c = 40.624(6)$ Å

4.308(33), 4.148(25), 3.581(40), 3.390(100), 3.206(55), 2.625(78), 2.544(94), 2,119(27)

Type material is deposited in the collections of the Department of Mineralogy, Saint-Petersburg State University, Saint-Petersburg, Russia, catalogue number 1/19661

How to cite: Siidra, O.I., Nekrasova, D.O., Turner, R., Zaitsev, A.N., Chukanov, N.V., Spratt, J., Polekhovsky, J.S. and Rumsey, M. (2017) Somersetite, IMA 2017-024. CNMNC Newsletter No. 38, August 2017, page 1035; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-025**

Triazolite

$NaCu_2(N_3C_2H_2)_2(NH_3)_2Cl_3{\cdot}4H_2O$

Pabellón de Pica Mountain, 1.5 km south of Chanabaya village, Iquique Province, Tarapacá Region, Chile (20°54′32″S, 70°8′17″W)

Nikita V. Chukanov*, Natalia V. Zubkova, Gerhard Möhn, Igor V. Pekov, Dmitriy I. Belakovskiy, Konstantin V. Van, Sergey N. Britvin and Dmitry Y. Pushcharovsky

*E-mail: nikchukanov@yandex.ru

Chemically and structurally related to chanabayaite

Orthorhombic: $P2_12_12_1$; structure determined

$a = 19.3575(5)$, $b = 7.1572(2)$, $c = 12.5020(4)$ Å

10.22(97), 6.135(40), 5.696(17), 5.182(59), 5.119(100), 4.854(19), 3,294(18), 2.202(18)

Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, registration number 5037/1

How to cite: Chukanov, N.V., Zubkova, N.V., Möhn, G., Pekov, I.V., Belakovskiy, D.I., Van, K.I., Britvin, S.N. and Pushcharovsky, D.Y. (2017) Triazolite, IMA 2017-025. CNMNC Newsletter No. 38, August 2017, page 1035; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-026**

Valleyite

$Ca_4Fe_6O_{13}$

Menan Volcanic Complex, near Rexburg, Madison Co., Idaho, USA

Huifang Xu*, Seungyeol Lee, Hongwu Xu, Ryan Jacobs, and Dane Morgan

*E-mail: hfxu@geology.wisc.edu

Structurally related to sodalite

Cubic: $I\bar{4}3m$; structure determined

$a = 8.8852(7)$ Å

6.287(57), 4.439(6), 3.628(100), 3.139(9), 2.801(39), 2.564(29), 2.375(12), 2.098(7)

Type material is deposited in the mineralogical collections of the Geology Museum of the Department of Geoscience, University of

https://doi.org/10.1180/minmag.2017.081.062 Published online by Cambridge University Press

Wisconsin, 1215 West Dayton St., Madison, WI 53706, USA, catalogue number UWGM 4062 and UWGM 4063
How to cite: Xu, H., Lee, S., Xu, H., Jacobs, R. and Morgan, D. (2017) Valleyite, IMA 2017-026. CNMNC Newsletter No. 38, August 2017, page 1035; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-028**
Manganiakasakaite-(La)
$CaLaMn^{3+}AlMn^{2+}(Si_2O_7)(SiO_4)O(OH)$
Monte Maniglia mine, Bellino, Varaita Valley, Cuneo Province, Piedmont, Italy (44°33′42.5″ N, 6°54′59.2″E)
Cristian Biagioni*, Marco E. Ciriotti, Roberto Bracco, Marco Pasero and Federica Zaccarini
*E-mail: cristian.biagioni@unipi.it
Epidote supergroup
Monoclinic: $P2_1/m$; structure determined
$a = 8.906(1)$, $b = 5.7294(6)$, $c = 10.113(1)$ Å, $\beta = 113.713(5)°$
3.516(m), 2.899(s), 2.711(ms), 2,621(m), 2.179(mw), 2.109(m), 1.665(m), 1.438(m)
Type material is deposited in the mineralogical collections of the Museo di Storia Naturale, Università di Pisa, Via Roma 79, Calci (PI), Italy, catalogue number 19907
How to cite: Biagioni, C., Ciriotti, M.E., Bracco, R., Pasero, M. and Zaccarini, F. (2017) Manganiakasakaite-(La), IMA 2017-028. CNMNC Newsletter No. 38, August 2017, page 1036; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-029**
Ice-VII
H_2O
As inclusion in a diamond from Orapa, Botswana
Oliver Tschauner*, Eran Greenberg, Vitali Prakapenka, Chi Ma and Kim Tait
*E-mail: olivert@physics.unlv.edu
A polymorph of ice
Cubic: $Pn\bar{3}m$; structure determined
$a = 3.1633(3)$ Å
2.237(100), 1.582(11), 1.291(23), 1.118(7), 1.000(7), 0.913(2), 0.845(8), 0.791(1)
Type material is deposited in the mineralogical collections of the Royal Ontario Museum, Toronto, Ontario, Canada, accession number M57666
How to cite: Tschauner, O., Greenberg, E., Prakapenka, V., Ma, C. and Tait, K. (2017) Ice-VII, IMA 2017-029. CNMNC Newsletter No. 38, August 2017, page 1036; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-031**
Kroupaite
$KPb_{0.5}[(UO_2)_8O_4(OH)_{10}]\cdot 10H_2O$
Svornost mine, Jáchymov ore district, Western Bohemia, Czech Republic (50°22′21″N, 12° 54′41″E)
Jakub Plášil*, Anthony R. Kampf, Travis A. Olds, Jiří Sejkora, Radek Škoda, Peter C. Burns and Jiří Čejka
*E-mail: plasil@fzu.cz
Structurally related to leesite and metaschoepite
Orthorhombic: *Pbca*; structure determined
$a = 14.8201(8)$, $b = 14.0958(8)$, $c = 16.765(1)$ Å
7.407(100), 3.602(59), 3.224(78), 2.572(16), 2.035(21), 1.978(11), 1.798(10), 1.747(7)
Type material is deposited in the mineralogical collections of the National Museum in Prague, Czech Republic, catalogue number no. P1P 16/2017, and the Natural History Museum of Los Angeles County, Los Angeles, CA, USA, catalogue number 66572
How to cite: Plášil, J., Kampf, A.R., Olds, T.A., Sejkora, J., Škoda, R., Burns, P.C. and Čejka, J. (2017) Kroupaite, IMA 2017-031. CNMNC Newsletter No. 38, August 2017, page 1036; *Mineralogical Magazine*, **81**, 1033–1038.

NEW MINERAL PROPOSALS APPROVED IN JULY 2017

IMA No. **2017-033**
Horákite
(Bi_7O_7OH)
$[(UO_2)_4(PO_4)_2(AsO_4)_2(OH)_2]\cdot 3.5H_2O$
Rovnost mine, Jáchymov ore district, Western Bohemia, Czech Republic (50°22′17″N, 12°53′37″E)
Jakub Plášil*, Anthony R. Kampf, Jiří Sejkora, Jiří Čejka, Radek Škoda and Jaromír Tvrdý
*E-mail: plasil@fzu.cz
New structure type
Monoclinic: $C2/c$; structure determined
$a = 21.374(2)$, $b = 15.451(3)$, $c = 12.168(2)$ Å, $\beta = 122.26(1)°$

https://doi.org/10.1180/minmag.2017.081.062 Published online by Cambridge University Press

11.77(100), 6.21(23), 5.55(23), 4.185(27), 3.543(61), 3.287(20), 3.144(58), 3.017(98)
Type material is deposited in the mineralogical collections of the National Museum in Prague, Czech Republic, catalogue number no. P1P 17/2017, and the Natural History Museum of Los Angeles County, Los Angeles, CA, USA, catalogue number 66575
How to cite: Plášil, J., Kampf, A.R., Sejkora, J., Škoda, R. and Tvrdý, J. (2017) Horákite, IMA 2017-033. CNMNC Newsletter No. 38, August 2017, page 1036; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-034**
Zincovelesite-6*N*6*S*
$Zn_3(Fe^{3+},Mn^{3+},Al,Ti)_8O_{15}(OH)$
4.5 km NW of the village of Nežilovo, 25 km WSW of the city of Veles, Macedonia (41° 41′N, 21°25′E)
Nikita V. Chukanov*, Maria G. Krzhizhanovskaya, Simeon Jančev, Igor V. Pekov, Dmitriy A. Varlamov, Jörg Göttlicher, Vyacheslav S. Rusakov, Yury S. Polekhovsky and Vera N. Ermolaeva
*E-mail: nikchukanov@yandex.ru
Högbomite supergroup
Trigonal: $P\bar{3}m1$
$a = 5.902(2)$, $c = 55.86(1)$ Å
2.952(62), 2.881(61), 2.515(100), 2.493(88), 2.451(39), 1.690(19), 1.475(29), 1.441(20)
Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, registration number 4787/1, and the National Institution Macedonian Museum of Natural History, Skopje, Macedonia, registration number PNMG 790
How to cite: Chukanov, N.V., Krzhizhanovskaya, M.G., Jančev, S., Pekov, I.V., Varlamov, D.A., Göttlicher, J., Rusakov, V.S., Polekhovsky, Y.S. and Ermolaeva, V.N. (2017) Zincovelesite-6*N*6*S*, IMA 2017-034. CNMNC Newsletter No. 38, August 2017, page 1037; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-035**
Feynmanite
$Na(UO_2)(SO_4)(OH)\cdot 3.5H_2O$
Blue Lizard mine, Red Canyon, White Canyon District, San Juan Co., Utah, USA (37°33′26″N, 110°17′44″W); Markey mine, Red Canyon, White Canyon District, San Juan Co., Utah, USA (37°32′57″N, 110°18′08″W)
Anthony R. Kampf*, Travis A. Olds, Jakub Plášil, Joe Marty and Samuel N. Perry
*E-mail: akampf@nhm.org
Chemically and structurally related to plášilite
Monoclinic: *P*2/*n*; structure determined
$a = 6.927(3)$, $b = 8.355(4)$, $c = 16.210(7)$ Å, $\beta = 90.543(4)°$
8.37(100), 6.37(33), 5.07(27), 4.053(46), 3.649 (25), 3.578(28), 3.467(25), 3.213(25)
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 66590 and 66591 (Blue Lizard mine), and 66592 and 66593 (Markey mine)
How to cite: Kampf, A.R., Olds, T.A., Plášil, J., Marty, J. and Perry, S.N. (2017) Feynmanite, IMA 2017-035. CNMNC Newsletter No. 38, August 2017, page 1037; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-036**
Chenmingite
$FeCr_2O_4$
Tissint meteorite, fell at Tata, Morocco (29° 28.917′N, 7°36.674′E)
Chi Ma* and Oliver Tschauner
*E-mail: chi@gps.caltech.edu
A dimorph of chromite
Orthorhombic: *Pnma*; structure determined
$a = 9.715(6)$, $b = 2.87(1)$, $c = 9.49(7)$ Å
2.672(100), 2.637(37), 2.387(49), 2.366(20), 2.071(28), 1.585(23), 1.262(21), 1.431(18)
Type material is deposited in the meteorite collections of the Frank H. McClung Museum, University of Tennessee, Knoxville, Tennessee 37996, USA, Tissint section UT2
How to cite: Ma, C. and Tschauner, O. (2017) Chenmingite, IMA 2017-036. CNMNC Newsletter No. 38, August 2017, page 1037; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-037**
Ferriperbøeite-(Ce)
$(CaCe_3)(Fe^{3+}Al_2Fe^{2+})(Si_2O_7)(SiO_4)_3O(OH)_2$
Bastnäs mines, Skinnskatteberg, Västmanland, Sweden (59°50′47″N, 15°35′15″E)

https://doi.org/10.1180/minmag.2017.081.062 Published online by Cambridge University Press

Luca Bindi*, Dan Holtstam, Giulia Fantappiè, Ulf B. Andersson and Paola Bonazzi
*E-mail: luca.bindi@unifi.it
Epidote-törnebohmite polysomatic series
Monoclinic: $P2_1/m$; structure determined
$a = 8.9320(4)$, $b = 5.7280(3)$, $c = 17.5549(9)$ Å, $\beta = 116.030(4)°$
4.63(25), 3.498(40), 3.278(15), 2.994(60), 2.868(100), 2.442(20), 2.098(25), 1.949(20)
Type material is deposited in the mineralogical collections of the Department of Geosciences, Swedish Museum of Natural History, Box 50007, SE-10405 Stockholm, Sweden, collection number no. 52 : 414 = 18520414
How to cite: Bindi, L., Holtstam, D., Fantappiè, G., Andersson, U.B. and Bonazzi, P. (2017) Ferriperbøeite-(Ce), IMA 2017-037. CNMNC Newsletter No. 38, August 2017, page 1037; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-038**
Martinandresite
$Ba_2(Al_4Si_{12}O_{32})\cdot 10H_2O$
Wasenalp, near the Isenwegg peak, Ganter valley, Simplon region, Switzerland (46°16′6″ N, 8°5′9″E)
Nikita V. Chukanov*, Natalia V. Zubkova, Nicolas Meisser, Stefan Ansermet, Stefan Weiss, Igor V. Pekov, Dmitriy I. Belakovskiy, Svetlana A. Vozchikova, Sergey N. Britvin and Dmitry Y. Pushcharovsky
*E-mail: nikchukanov@yandex.ru
Chemically related to harmotome
Orthorhombic: *Pmmn*; structure determined
$a = 9.4640(5)$, $b = 14.2288(6)$, $c = 6.9940(4)$ Å
6.98(74), 6.26(83), 5.61(100), 3.933(60), 3.191(50), 3.170(62), 3.005(79), 2.816(49)
Type material is deposited in the mineralogical collections of the Geological Museum of Lausanne, Switzerland, catalogue number is MGL 093284
How to cite: Chukanov, N.V., Zubkova, N.V., Meisser, N., Ansermet, S., Weiss, S., Pekov, I.V., Belakovskiy, D.I., Vozchikova, S.A., Britvin, S.N. and Pushcharovsky, D.Y. (2017) Martinandresite, IMA 2017-038. CNMNC Newsletter No. 38, August 2017, page 1038; *Mineralogical Magazine*, **81**, 1033–1038.

IMA No. **2017-015a**
Axelite
$Na_{14}Cu_7(AsO_4)_8F_2Cl_2$
Arsenatnaya 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, Atali A. Agakhanov, Vasiliy O. Yapaskurt, Dmitry I. Belakovskiy, Sergey N. Britvin, Evgeny G. Sidorov and Dmitry Y. Pushcharovsky
*E-mail: igorpekov@mail.ru
New structure type
Tetragonal: *P4bm*; structure determined
$a = 14.5957(2)$, $c = 8.3433(2)$ Å
8.32(44), 5.156(47), 4.168(21), 3.246(34), 3.180(61), 2.747(100), 2.709(36), 2.580(29)
Type material is deposited in the collections of the Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia, registration number 5031/1
How to cite: Pekov, I.V., Zubkova, N.V., Agakhanov, A.A., Yapaskurt, V.O., Belakovskiy, D.I., Britvin, S.N., Sidorov, E.G. and Pushcharovsky, D.Y. (2017) Axelite, IMA 2017-015a. CNMNC Newsletter No. 38, August 2017, page 1038; *Mineralogical Magazine*, **81**, 1033–1038.

REVISED CHEMICAL FORMULA

After the approval of the new mineral markeyite (IMA No. 2016-090; see CNMNC Newsletter 35), the authors of the proposal communicated results of subsequent analytical work on this mineral, which shows higher contents of CO_2 and lower concentrations of H_2O. The new data were examined carefully by the CNMNC officers and were found reliable. The new revised simplified formula $Ca_9(UO_2)_4(CO_3)_{13}\cdot 28H_2O$ has been approved executively.

ERRATUM

IMA No. 2017-010 Levantite
In CNMNC Newsletter 37, the type locality was given incorrectly. The correct type locality is: Har Parsa (Mt. Parsa), Hatrurim Basin, Negev Desert, near Arad, Israel (31°12′29″N, 35°16′45.6″E).

https://doi.org/10.1180/minmag.2017.081.062 Published online by Cambridge University Press