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

Newsletter 38

NEW MINERALS AND NOMENCLATURE MODIFICATIONS APPROVED IN 2017

Ulf HÅLENIUS (Chairman, CNMNC)[1], Frédéric HATERT (Vice-Chairman, CNMNC)[2], Marco PASERO (Vice-Chairman, CNMNC)[3] and Stuart J. MILLS (Secretary, CNMNC)[4]

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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 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

DOI: 10.1127/ejm/2017/0029-2680

*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. & Xie, X. (2017): Shenzhuangite, IMA 2017-018. CNMNC Newsletter No. 38, August 2017, page 777; *European Journal of Mineralogy*, **29**, 777–781.

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: *C*2/*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., Barash, I.G. (2017): Vanadiopargasite, IMA 2017-019. CNMNC Newsletter No. 38, August 2017, page 778; *European Journal of Mineralogy*, **29**, 777–781.

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., Pushcharovsky, D.Y. (2017): Alumoedtollite, IMA 2017-020. CNMNC Newsletter No. 38, August 2017, page 778; *European Journal of Mineralogy*, **29**, 777–781.

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., Britvin, S.N., Turchkova, A.G., Pushcharovsky, D.Y. (2017): Kamenevite, IMA 2017-021. CNMNC Newsletter No. 38, August 2017, page 778; *European Journal of Mineralogy*, **29**, 777–781.

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., Ismagilova, R. M. (2017): Ammoniovoltaite, IMA 2017-022. CNMNC Newsletter No. 38, August 2017, page 778; *European Journal of Mineralogy*, **29**, 777–781.

IMA No. **2017-024**

Somersetite

$Pb_8O_2(OH)_2(CO_3)_5$

Torr Works (Merehead) Quarry, East Cranmore, Somerset, England, UK

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., Rumsey, M. (2017): Somersetite, IMA 2017-024. CNMNC Newsletter No. 38, August 2017, page 778; *European Journal of Mineralogy*, **29**, 777–781.

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., Pushcharovsky, D.Y. (2017): Triazolite, IMA 2017-025. CNMNC Newsletter No. 38, August 2017, page 779; *European Journal of Mineralogy*, **29**, 777–781.

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 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., Morgan, D. (2017): Valleyite, IMA 2017-026. CNMNC Newsletter No. 38, August 2017, page 779; *European Journal of Mineralogy*, **29**, 777–781.

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., Zaccarini, F. (2017): Manganiakasakaite-(La), IMA 2017-028. CNMNC Newsletter No. 38, August 2017, page 779; *European Journal of Mineralogy*, **29**, 777–781.

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: $Pn3m$; 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., Tait, K. (2017): Ice-VII, IMA 2017-029. CNMNC Newsletter No. 38, August 2017, page 779; *European Journal of Mineralogy*, **29**, 777–781.

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., Čejka, J. (2017): Kroupaite, IMA 2017-031. CNMNC Newsletter No. 38, August 2017, page 779; *European Journal of Mineralogy*, **29**, 777–781.

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: *C*2/*c*; structure determined
$a = 21.374(2)$, $b = 15.451(3)$, $c = 12.168(2)$ Å, $\beta = 122.26(1)°$
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., Tvrdý, J. (2017): Horákite, IMA 2017-033. CNMNC Newsletter No. 38, August 2017, page 780; *European Journal of Mineralogy*, **29**, 777–781.

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, 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., Ermolaeva, V.N. (2017): Zincovelesite-6*N*6*S*, IMA 2017-034. CNMNC Newsletter No. 38, August 2017, page 780; *European Journal of Mineralogy*, **29**, 777–781.

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., Perry, S.N. (2017): Feynmanite, IMA 2017-035. CNMNC Newsletter No. 38, August 2017, page 780; *European Journal of Mineralogy*, **29**, 777–781.

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. & Tschauner, O. (2017): Chenmingite, IMA 2017-036. CNMNC Newsletter No. 38, August 2017, page 780; *European Journal of Mineralogy*, **29**, 777–781.

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)

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., Bonazzi, P. (2017) Ferriperbøeite-(Ce), IMA 2017-037. CNMNC Newsletter No. 38, August 2017, page 781; *European Journal of Mineralogy*, **29**, 777–781.

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, 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., Pushcharovsky, D.Y. (2017): Martinandresite, IMA 2017-038. CNMNC Newsletter No. 38, August 2017, page 781; *European Journal of Mineralogy*, **29**, 777–781.

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., Pushcharovsky, D.Y. (2017): Axelite, IMA 2017-015a. CNMNC Newsletter No. 38, August 2017, page 781; *European Journal of Mineralogy*, **29**, 777–781.

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).