

## Log of Changes to IMA Mineral List

This log file was begun in June 2010 to keep track of changes to the IMA list of minerals at <http://rruff.info/IMA>.

26 January 2012: Ellingsenite:

New mineral description for IMA2009-041 reported in:

Yakovenchuk V N, Ivanyuk G Y, Pakhomovsky Y A, Selivanova E A, Mikhailova J A, Krivovichev S V, Zolotarev A A, Zalkind O A (2011) Ellingsenite,  $\text{Na}_5\text{Ca}_6\text{Si}_{18}\text{O}_{38}(\text{OH})_{13}\cdot 6\text{H}_2\text{O}$ , a new martinite-related mineral species from phonolite of the Aris alkaline complex, Namibia, *The Canadian Mineralogist* 49, 1165-1173

24 January 2012: Sarrabusite:

New mineral description for IMA1997-046a reported in:

Gemmi M, Campostrini I, Demartin F, Gorelik T E, Gamaccioli C M (2012) Structure of the new mineral sarrabusite,  $\text{Pb}_5\text{CuCl}_4(\text{SeO}_3)_4$ , solved by manual electron-diffraction tomography, *Acta Crystallographica B* 68, 15-23

23 January 2012: Fluorocronite:

New mineral description for IMA2010-023 reported in:

Mills S J, Kartashov P M, Gamyagin G N, Whitfield P S, Kern A, Guerault H, Kampf A R, Raudsepp M (2011) Fluorocronite, the natural analogue of  $\beta\text{-PbF}_2$ , from the Sakha Republic, Russian Federation, *European Journal of Mineralogy* 23, 695-700

18 January 2012: Långbanshyttanite:

New mineral description for IMA2010-071 reported in:

Chukanov N V, Pekov I V, Jonsson E, Zubkova N V, Filinchuk Y E, Belakovskiy D I, Pushcharovsky D Y (2011) Långbanshyttanite, a new low-temperature arsenate mineral with a novel structure from Långban, Sweden, *European Journal of Mineralogy* 23, 675-681

11 January 2012: Fluornatromicrolite:

New mineral description for IMA1998-018 reported in:

Witzke T, Steins M, Doering T, Schuckmann W, Wegner R, Pöllmann H (2011) Fluornatromicrolite,  $(\text{Na,Ca,Bi})_2\text{Ta}_2\text{O}_6\text{F}$ , a new mineral species from Quixaba, Paraíba, Brazil, *The Canadian Mineralogist* 49, 1105-1110

7 January 2012: Gunterite:

New mineral description for IMA2011-001 reported in:

Kampf A R, Hughes J M, Marty J, Nash B (2011) Gunterite,  $\text{Na}_4(\text{H}_2\text{O})_{16}(\text{H}_2\text{V}_{10}\text{O}_{28})\cdot 6\text{H}_2\text{O}$ , a new mineral species with a doubly-protonated decavanadate polyanion: crystal structure and descriptive mineralogy, *The Canadian Mineralogist* 49, 1243-1251

7 January 2012: Clinometaborite:

New mineral description for IMA2010-022 reported in:

Demartin F, Gramaccioli C M, Campostrini I (2011) Clinometaborite, natural  $\beta$ -metaboric acid, from La Fossa Crater, Vulcano, Aeolian Islands, Italy, *Canadian Mineralogist* 49, 1273-1279

7 January 2012: Braitschite-(Ce):

Chemical formula revised from  $(\text{Ca}, \text{Na}_2)_7\text{RE}_2(\text{B}_{22}\text{O}_{43})(\text{H}_2\text{O})_7$  to

$\text{Ca}_6\text{NaCe}_2[\text{B}_6\text{O}_7(\text{OH})_3(\text{O}, \text{OH})_3]_4 \cdot \text{H}_2\text{O}$ :

Rowland C E, Cahill C L, Post J E (2011) The structure of braitschite, a calcium rare earth borate, *American Mineralogist* 96, 197-201

4 January 2012: Blixite:

Chemical formula revised from  $\text{Pb}_2\text{ClO}_2(\text{OH})$  to  $\text{Pb}_8\text{O}_5(\text{OH})_2\text{Cl}_4$ :

Krivovichev S V, Burns P C (2006) The crystal structure of  $\text{Pb}_8\text{O}_5(\text{OH})_2\text{Cl}_4$ , a synthetic analogue of blixite?, *The Canadian Mineralogist* 44, 515-522

2 January 2012: Běhounekite:

New mineral description for IMA2010-046 reported in:

Plášil J, Fejfarová K, Novák M, Dušek M, Škoda R, Hloušek J, Čejka J, Majzlan J, Sejkora J, Machovič V, Talla D (2011) Běhounekite,  $\text{U}(\text{SO}_4)_2(\text{H}_2\text{O})_4$ , From Jáchymov (St Joachimsthal), Czech Republic: the first natural  $\text{U}^{4+}$  sulphate, *Mineralogical Magazine* 75, 2739-2753

30 December 2011: Fassinaite:

New mineral description for IMA2011-048 reported in:

Bindi L, Nestola F, Kolitsch U, Guastoni A, Zorzi F (2011) Fassinaite,  $\text{Pb}_2^{2+}(\text{S}_2\text{O}_3)(\text{CO}_3)$ , the first mineral with coexisting thiosulphate and carbonate groups: description and crystal structure, *Mineralogical Magazine* 75, 2721-2732

27 December 2011: Bassoite:

New mineral description for IMA2011-028 reported in:

Bindi L, Carbone C, Cabella R, Lucchetti G (2011) Bassoite,  $\text{SrV}_3\text{O}_7 \cdot 4\text{H}_2\text{O}$ , a new mineral from Molinello mine, Val Graveglia, eastern Liguria, Italy, *Mineralogical Magazine* 75, 2677-2686

23 December 2011: Galuskinite:

New mineral description for IMA2010-075 reported in:

Lazic B, Armbruster T, Savelyeva V B, Zadov A E, Pertsev N N, Dzierzanowski P (2011) Galuskinite,  $\text{Ca}_7(\text{SiO}_4)_3(\text{CO}_3)$ , a new skarn mineral from the Birkhin gabbro massif, Eastern Siberia, Russia, *Mineralogical Magazine* 75, 2631-2648

22 December 2011: Mendeleevite-(Ce):

New mineral description for IMA2009-092 reported in:

Sokolova E, Hawthorne F C, Pautov L A, Agakhanov A A, Karpenko V Y (2011)  
The crystal structure and crystal chemistry of mendeleevite-(Ce),  
(Cs, $\square$ )<sub>6</sub>( $\square$ ,Cs)<sub>6</sub>( $\square$ ,K)<sub>6</sub>(REE,Ca, $\square$ )<sub>30</sub>(Si<sub>70</sub>O<sub>175</sub>)(H<sub>2</sub>O,OH,F, $\square$ )<sub>35</sub>, a potential  
microporous material, *Mineralogical Magazine* 75, 2583-2596

22 December 2011: Megawite:

New mineral description for IMA2009-090 reported in:

Galuskin E V, Galuskina I O, Gazeev V M, Dzierzanowski P, Prusik K, Pertsev N N,  
Zadov A E, Bailau R, Gurbanov A G (2011) Megawite, CaSnO<sub>3</sub>: a new  
perovskite-group mineral from skarns of the Upper Chegem caldera, Kabardino-  
Balkaria, Northern Caucasus, Russia, *Mineralogical Magazine* 75, 2563-2572

13 December 2011: Sveinbergeite:

New mineral description for IMA2010-027 reported in:

Khomyakov A P, Cámara F, Sokolova E, Abdu Y, Hawthorne F C (2011)  
Sveinbergeite, Ca(Fe<sup>2+</sup><sub>6</sub>Fe<sup>3+</sup>)Ti<sub>2</sub>(Si<sub>4</sub>O<sub>12</sub>)<sub>2</sub>O<sub>2</sub>(OH)<sub>5</sub>(H<sub>2</sub>O)<sub>4</sub>, a new astrophyllite-  
group mineral from the Larvik Plutonic Complex, Oslo Region, Norway:  
description and crystal structure, *Mineralogical Magazine* 75, 2687-2702

6 December 2011: Bobdownsite:

New mineral description for IMA2008-037 reported in:

Tait K T, Barkley M C, Thompson R M, Origlieri M J, Evans S H, Prewitt C T, Yang  
H (2011) Bobdownsite, a new mineral species from Big Fish River, Yukon,  
Canada, and its structural relationship with whitlockite-type compounds, *The  
Canadian Mineralogist* 49, 1065-1078

5 December 2011: Argandite:

New mineral description for IMA2010-021 reported in:

Brugger J, Elliott P, Meisser N, Ansermet S (2011) Argandite, Mn<sub>7</sub>(VO<sub>4</sub>)<sub>2</sub>(OH)<sub>8</sub>, the  
V analogue of allactite from the metamorphosed Mn ores at Pipji, Turtmann  
Valley, Switzerland, *American Mineralogist* 96, 1894-1900

1 December 2011: Vladimiritite:

Chemical formula revised from Ca<sub>5</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)<sub>2</sub>·5H<sub>2</sub>O to

Ca<sub>4</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)·4H<sub>2</sub>O:

Yang H, Evans S H, Downs R T, Jenkins R A (2011) The crystal structure of  
vladimiritite, with a revised chemical formula, Ca<sub>4</sub>(AsO<sub>4</sub>)<sub>2</sub>(AsO<sub>3</sub>OH)·4H<sub>2</sub>O, *The  
Canadian Mineralogist* 49, 1055-1064

1 December 2011: Ferrilotharmeyerite:

Chemical formula revised from CaZnFe<sup>3+</sup>(AsO<sub>3</sub>OH)<sub>2</sub>(OH)<sub>3</sub> to

CaZnFe<sup>3+</sup>(AsO<sub>4</sub>)<sub>2</sub>(OH)·H<sub>2</sub>O:

Krause W, Belendorff K, Bernhardt H J, McCammon C A, Effenberger H, Mikenda  
W (1998) Crystal chemistry of the tsumcorite-group minerals. New data on  
ferrilotharmeyerite, tsumcorite, thometzekite, mounanaite, helmutwinklerite,  
and a redefinition of gartrellite, *European Journal of Mineralogy* 10, 179-206

1 December 2011: Colusite:

Chemical formula revised from  $\text{Cu}_{12}\text{V}(\text{Sb,As,Sn})_3\text{S}_{16}$  to  $\text{Cu}_{12}\text{VAs}_3\text{S}_{16}$ :

Spry P G, Merlino S, Wang S, Zhang X, Buseck P R (1994) New occurrences and refined crystal chemistry of colusite, with comparisons to arsenosulvanite, *American Mineralogist* 79, 750-762

29 November 2011: Anorpiment:

New mineral description for IMA2011-014 reported in:

Kampf A R, Downs R T, Housley R M, Jenkins R A, Hyršl J (2011) Anorpiment,  $\text{As}_2\text{S}_3$ , the triclinic dimorph of orpiment, *Mineralogical Magazine* 75, 2857-2867

29 November 2011: Cossaite:

New mineral description for IMA2009-031 reported in:

Demartin F, Gramaccioli C M, Campostrini I, Castellano C (2011) Cossaite,  $(\text{Mg}_{0.5}, \square)\text{Al}_6(\text{SO}_4)_6(\text{HSO}_4)\text{F}_6 \cdot 36\text{H}_2\text{O}$ , a new mineral from La Fossa crater, Vulcano, Aeolian Islands, Italy, *Mineralogical Magazine* 75, 2847-2855

19 November 2011: Peisleyite:

Chemical formula and cell parameters are revised:

Mills S J, Ma C, Birch W D (2011) A contribution to understanding the complex nature of peisleyite, *Mineralogical Magazine* 75, 2733-2737

16 October, 2011: Agardite-(Nd):

New mineral description for IMA2010-056 reported in:

Pekov I V, Chukanov N V, Zadov A E, Voudouris P, Magganas A, Katerinopoulos A (2011) Agardite-(Nd),  $\text{NdCu}_6(\text{AsO}_4)_3(\text{OH})_6 \cdot 3\text{H}_2\text{O}$ , from the Hilarion Mine, Lavrion, Greece: mineral description and chemical relations with other members of the agardite-zálesiite solid-solution system, *Journal of Geosciences* 57, 249-255

29 September, 2011: Horomanite and samaniite:

New mineral description for IMA2007-037 and IMA2007-038 reported in:

Kitakaze A, Itoh H, Komatsu R (2011) Horomanite,  $(\text{Fe,Ni,Co,Cu})_9\text{S}_8$ , and samaniite,  $\text{Cu}_2(\text{Fe,Ni})_7\text{S}_8$ , new mineral species from the Horoman peridotite massif, Hokkaido, Japan, *Journal of Mineralogical and Petrological Sciences* 106, 204-210

19 September, 2011: Fettelite:

Chemical formula revised from  $\text{Ag}_{24}\text{HgAs}_5\text{S}_{20}$ :

Bindi L, Keutsch F N, Francis C A, Menchetti S (2009) Fettelite,  $[\text{Ag}_6\text{As}_2\text{S}_7][\text{Ag}_{10}\text{HgAs}_2\text{S}_8]$  from Chañarcillo, Chile: Crystal structure, pseudosymmetry, twinning, and revised chemical formula, *American Mineralogist* 94, 609-615

12 September, 2011: Brunogeierite:

Chemical formula revised from  $\text{Fe}^{3+}_2\text{Ge}^{2+}\text{O}_4$  to  $\text{Fe}^{2+}_2\text{Ge}^{4+}\text{O}_4$ :

Williams P A, Hatert F, Pasero M, Mills S J (2011) IMA Commission on new minerals, nomenclature and classification (CNMNC) Newsletter 9. New minerals and nomenclature modifications approved in 2011, Mineralogical Magazine 75, 2535-2540

20 August, 2011: Brearleyite:

New mineral description for IMA2010-062 reported in:

Ma C, Connolly H C, Beckett J R, Tschauner O, Rossman G R, Kampf A R, Zega T J, Sweeney Smith S A, Schrader D L (2011) Brearleyite,  $\text{Ca}_{12}\text{Al}_{14}\text{O}_{32}\text{Cl}_2$ , a new alteration mineral from the NWA 1934 meteorite, American Mineralogist 96, 1199-1206

10 August, 2011: Chibaite:

New mineral description for IMA2008-067 reported in:

Momma K, Ikeda T, Nishikubo K, Takahashi N, Honma C, Takada M, Furukawa Y, Nagase T, Kudoh Y (2011) New silica clathrate minerals that are isostructural with natural gas hydrates, Nature Communications 2, 196-7

4 August, 2011: Icosahedrite:

New mineral description for IMA2010-042 reported in:

Bindi L, Steinhardt P J, Yao N, Lu P J (2011) Icosahedrite,  $\text{Al}_{63}\text{Cu}_{24}\text{Fe}_{13}$ , the first natural quasicrystal, American Mineralogist 96, 928-931

3 August, 2011: Hermannroseite:

New mineral description for IMA2010-006 reported in:

Schlüter J, Pohl D, Gebhard G (2011) The new mineral hermannroseite,  $\text{CaCu}(\text{PO}_4, \text{AsO}_4)(\text{OH})$ , the phosphate analogue of conichalcite, from Tsumeb, Namibia, Neues Jahrbuch für Mineralogie, Abhandlungen 188, 135-140

28 July, 2011: Ondrušite:

New mineral description for IMA2008-010 reported in:

Sejkora J, Plášil J, Veselovský F, Cíсарová I, Hloušek J (2011) Ondrušite,  $\text{CaCu}_4(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2 \cdot 10\text{H}_2\text{O}$ , a new mineral species from the Jáchymov ore district, Czech Republic: Description and crystal-structure determination, The Canadian Mineralogist 49, 885-897

28 July, 2011: Ruffite:

New mineral description for IMA2009-077 reported in:

Yang H, Jenkins R A, Downs R T, Evans S H, Tait K T (2011) Ruffite,  $\text{Ca}_2\text{Cu}(\text{AsO}_4)_2 \cdot 2\text{H}_2\text{O}$ , a new member of the roselite group, from Tierra Amarilla, Chile, The Canadian Mineralogist 49, 877-884

28 July, 2011: Georgerobinsonite:

New mineral description for IMA2009-068 reported in:

Cooper M A, Ball N A, Hawthorne F C, Paar W H, Roberts A C, Moffatt E (2011) Georgerobinsonite,  $Pb_4(CrO_4)_2(OH)_2FCl$ , a new chromate mineral from the Mammoth - St. Anthony mine, Tiger, Pinal County, Arizona: Description and crystal structure, *The Canadian Mineralogist* 49, 865-876

26 July, 2011: Sejkoraite-(Y):

New mineral description for IMA2009-008 reported in:

Plášil J, Dušek M, Novák M, Čejka J, Císařová I, Škoda R (2011) Sejkoraite-(Y), a new member of the zippeite group containing trivalent cations from Jáchymov (St. Joachimsthal), Czech Republic: Description and crystal structure refinement, *American Mineralogist* 96, 983-991

24 July, 2011: Nisnite:

New mineral description for IMA2009-083 reported in:

Rowe R, Grice J D, Poirier G, Stanley C J, Horváth L (2011) Nisnite,  $Ni_3Sn$ , a new nickel mineral species from the Jeffrey mine, Asbestos, Quebec, *The Canadian Mineralogist* 49, 651-656

24 July, 2011: Litochlebite:

New mineral description for IMA2009-036 reported in:

Sejkora J, Makovický E, Topa D, Putz H, Zagler G, Plášil J (2011) Litochlebite,  $Ag_2PbBi_4Se_8$ , a new selenide mineral species from Zálesí, Czech Republic: Description and crystal structure, *The Canadian Mineralogist* 49, 639-650

24 July, 2011: Parasterryite:

New mineral description for IMA2010-033 reported in:

Mořlo Y, Orlandi P, Guillot-Deudon C, Biagioni C, Paar W, Evain M (2011) Lead-antimony sulfosalts from Tuscany (Italy). XI. The new mineral species parasterryite,  $Ag_4Pb_{20}(Sb_{14.5}As_{9.5})_{\Sigma 24}S_{58}$ , and associated sterryite,  $Cu(Ag,Cu)_3Pb_{19}(Sb,As)_{22}(As-As)S_{56}$ , from the Pollone mine, Tuscany, Italy, *The Canadian Mineralogist* 49, 623-638

23 July, 2011: Volaschioite:

New mineral description for IMA2010-005 reported in:

Biagioni C, Bonaccorsi E, Orlandi P (2011) Volaschioite,  $Fe^{3+}_4(SO_4)O_2(OH)_6 \cdot 2H_2O$ , a new mineral species from Fornovolasco, Apuan Alps, Tuscany, Italy, *The Canadian Mineralogist* 49, 605-614

23 July, 2011: Rakovanite:

New mineral description for IMA2010-052 reported in:

Kampf A R, Hughes J M, Marty J, Gunter M E, Nash B (2011) Rakovanite,  $Na_3\{H_3[V_{10}O_{28}]\} \cdot 15H_2O$ , a new member of the pascoite family with a protonated decavanadate polyanion, *The Canadian Mineralogist* 49, 595-604

23 July, 2011: Ferroericssonite:

New mineral description for IMA2010-025 reported in:

Kampf A R, Roberts A C, Venance K E, Dunning G E, Walstrom R E (2011)  
Ferroericssonite, the Fe<sup>2+</sup> analogue of ericssonite, from eastern Fresno County,  
California, U.S.A., *The Canadian Mineralogist* 49, 587-594

15 July, 2011: Pseudolyonsite:

New mineral description for IMA2009-062 reported in:

Zelenski M E, Zubkova N V, Pekov I V, Boldyreva M M, Pushcharovsky D Y,  
Nekrasov A N (2011) Pseudolyonsite, Cu<sub>3</sub>(VO<sub>4</sub>)<sub>2</sub>, a new mineral species from  
the Tolbachik volcano, Kamchatka Peninsula, Russia, *European Journal of  
Mineralogy* 23, 475-481

15 July, 2011: Yangzhumingite:

New mineral description for IMA2009-017 reported in:

Miyawaki R, Shimazaki H, Shigeoka M, Yokoyama K, Matsubara S, Yurimoto H  
(2011) Yangzhumingite, KMg<sub>2.5</sub>Si<sub>4</sub>O<sub>10</sub>F<sub>2</sub>, a new mineral in the mica group from  
Bayan Obo, Inner Mongolia, China, *European Journal of Mineralogy* 23, 467-  
473

25 June, 2011: Yttriaite-(Y):

New mineral description for IMA2010-039 reported in:

Mills S J, Kartashov P M, Ma C, Rossman G R, Novgorodova M I, Kampf A R,  
Raudsepp M (2011) Yttriaite-(Y): The natural occurrence of Y<sub>2</sub>O<sub>3</sub> from the  
Bol'shaya Pol'ya River, Subpolar Urals, Russia, *American Mineralogist* 96,  
1166-1170

22 June, 2011: Plumboselite:

New mineral description for IMA2010-028 reported in:

Kampf A R, Mills S J, Pinch W W (2011) Plumboselite, Pb<sub>3</sub>O<sub>2</sub>(SeO<sub>3</sub>), a new  
oxidation-zone mineral from Tsumeb, Namibia, *Mineralogy and Petrology* 101,  
75-80

20 June, 2011: Iangreyite:

New mineral description for IMA2009-087 reported in:

Mills S J, Kampf A R, Sejkora J, Adams P M, Birch W D, Plášil J (2011) Iangreyite:  
a new secondary phosphate mineral closely related to perhamite, *Mineralogical  
Magazine* 75, 327-336

19 June, 2011: Nordgauite:

New mineral description for IMA2010-040 reported in:

Birch W D, Grey I E, Mills S J, Pring A, Bougerol C, Ribabldi-Tunncliffe A, Wilson  
N C, Keck E (2011) Nordgauite, MnAl<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>(F,OH)<sub>2</sub>·5H<sub>2</sub>O, a new mineral  
from the Hagendorf-Süd pegmatite, Bavaria, Germany: description and crystal  
structure, *Mineralogical Magazine* 75, 269-278

18 June, 2011: Bariopharmacolumite:

New mineral description for IMA2010-041 reported in:

Mills S J, Rumsey M S, Favreau G, Spratt J, Raudsepp M, Dini M (2011)  
Bariopharmacoalumite, a new mineral species from Cap Garonne, France and  
Mina Grande, Chile, *Mineralogical Magazine* 75, 135-144

15 June, 2011: Capranicaite:

New mineral description for IMA2009-086 reported in:

Callegari A M, Boiocchi M, Bellatreccia F, Caprilli E, Medenbach O, Cavallo A  
(2011) Capranicaite,  $(K, \square)(Ca, Na)Al_4B_4Si_2O_{18}$ : a new inosilicate from  
Capranica, Italy, with a peculiar topology of the periodic single chain  $[Si_2O_6]$ ,  
*Mineralogical Magazine* 75, 33-43

15 June, 2011: Orthoericssonite:

Mineral is discredited. It is the orthorhombic polytype of ericssonite, and should be  
referred to as ericssonite-2O

Williams P A, Hatert F, Pasero M, Mills S J (2011) IMA Commission on new  
minerals, nomenclature and classification (CNMNC) Newsletter 7. New  
minerals and nomenclature modifications approved in 2010, *Mineralogical  
Magazine* 75, 27-31

15 June, 2011: Betpakdalite-CaCa:

Mineral name is changed from betpakdalite to betpakdalite-CaCa:

Mineral name is changed from natrobetpakdalite to betpakdalite-NaCa:

Mineral name is changed from mendozavilite to mendozavilite-NaFe:

Mineral name is changed from obradovicite to obradovicite-KCu:

Williams P A, Hatert F, Pasero M, Mills S J (2011) IMA Commission on new  
minerals, nomenclature and classification (CNMNC) Newsletter 7. New  
minerals and nomenclature modifications approved in 2010, *Mineralogical  
Magazine* 75, 27-31

14 June, 2011: Cuprokalininite:

New mineral description for IMA2010-008 reported in:

Reznitsky L Z, Sklyarov E V, Ushchapovskaya Z F, Suvorova L F, Polekhovskiy Y S,  
Dzerzanovskiy P, Barash I G (2010) Cuprokalininite  $CuCr_2S_4$  - the new  
sulfospinel from metamorphic rocks of Sludyanka complex (South Baikal  
region), *Zapiski Rossiiskogo Mineralogicheskogo Obshchestva* 139, issue 6,  
39-49

11 June, 2011: Cranswickite:

New mineral description for IMA2010-016 reported in:

Peterson R C (2011) Cranswickite  $MgSO_4 \cdot 4H_2O$ , a new mineral from Calingasta,  
Argentina, *American Mineralogist* 96, 869-877

30 May, 2011: Barbertonite:

The mineral is discredited because it is shown to be a polytype of stichtite:

Mills S J, Whitfield P S, Wilson S A, Woodhouse J N, Dipple G M, Raudsepp M,  
Francis C A (2011) The crystal structure of stichtite, re-examination of

barbertonite, and the nature of polytypism in MgCr hydrotalcites, *American Mineralogist* 96, 179-187

31 March, 2011: Hazenite:

New mineral description for IMA2007-061 reported in:

Yang H, Sun H J, Downs R T (2011) Hazenite,  $\text{KNaMg}_2(\text{PO}_4)_2 \cdot 14\text{H}_2\text{O}$ , a new biologically related phosphate mineral, from Mono Lake, California, U.S.A., *American Mineralogist* 96, 675-681

12 March, 2011: Wakefieldite-(Nd):

New mineral description for IMA2008-031 reported in:

Moriyama T, Miyawaki R, Yokoyama K, Matsubara S, Hirano H, Murakami H, Watanabe Y (2010) Wakefieldite-(Nd), a new neodymium vanadate mineral in the Arase Statiform Ferromanganese Deposit, Kochi Prefecture, Japan, *Resource Geology* 61, 101-110

12 March, 2011: Fluor-dravite:

New mineral description for IMA2009-089 reported in:

Clark C M, Hawthorne F C, Ottolini L (2011) Fluor-dravite,  $\text{NaMg}_3\text{Al}_6\text{Si}_6\text{O}_{18}(\text{BO}_3)_3(\text{OH})_3\text{F}$ , a new mineral species of the tourmaline group from the Crabtree Emerald mine, Mitchell County, North Carolina: Description and crystal structure, *The Canadian Mineralogist* 49, 57-62

5 March, 2011: Ángelaite:

Mineral name is changed from angelaite to ángelaite:

Williams P A, Hatert F, Pasero M, Mills S J (2010) IMA Commission on new minerals, nomenclature and classification (CNMNC) Newsletter 6. New minerals and nomenclature modifications approved in 2010, *Mineralogical Magazine* 74, 941-942

5 March, 2011: Jagüéite:

Mineral name is changed from jaguëite to jagüéite:

Williams P A, Hatert F, Pasero M, Mills S J (2010) IMA Commission on new minerals, nomenclature and classification (CNMNC) Newsletter 6. New minerals and nomenclature modifications approved in 2010, *Mineralogical Magazine* 74, 941-942

5 March, 2011: Zajacite-(Ce) changed to gagarinite-(Ce):

Mineral name is changed from zajacite-(Ce) to gagarinite-(Ce):

Williams P A, Hatert F, Pasero M, Mills S J (2010) IMA Commission on new minerals, nomenclature and classification (CNMNC) Newsletter 6. New minerals and nomenclature modifications approved in 2010, *Mineralogical Magazine* 74, 941-942

27 February, 2011: Qingheite-(Fe<sup>2+</sup>):

New mineral description for IMA2009-076 reported in:

Hatert F, Baijot M, Philippo S, Wouters J (2010) Qingheite-(Fe<sup>2+</sup>), Na<sub>2</sub>Fe<sup>2+</sup>MgAl(PO<sub>4</sub>)<sub>3</sub>, a new phosphate mineral from the Sebastião Cristino pegmatite, Minas Gerais, Brazil, *European Journal of Mineralogy* 22, 459-467

22 February, 2011: Nanlingite:

Chemical formula changed from CaMg<sub>4</sub>(As<sup>3+</sup>O<sub>3</sub>)<sub>2</sub>F<sub>4</sub> to

NaCa<sub>5</sub>LiMg<sub>12</sub>(AsO<sub>3</sub>)<sub>2</sub>[Fe<sup>2+</sup>(AsO<sub>3</sub>)<sub>6</sub>]F<sub>14</sub> as reported in:

Yang Z, Giester G, Ding K, Tillmanns E (2011) Crystal structure of nanlingite - the first mineral with a [Fe(AsO<sub>3</sub>)<sub>6</sub>] configuration, *European Journal of Mineralogy* 23, 63-71

21 February, 2011: Åskagenite-(Nd):

New mineral description for IMA2009-073 reported in:

Chukanov N V, Göttlicher J, Möckel S, Sofer Z, Van K V, Belakovskiy D I (2010) Åskagenite-(Nd), Mn<sup>2+</sup>NdAl<sub>2</sub>Fe<sup>3+</sup>(Si<sub>2</sub>O<sub>7</sub>)(SiO<sub>4</sub>)O<sub>2</sub>, a new mineral of the epidote supergroup, *New Data on Minerals. Moscow* 45, 17-22

13 February, 2011: Paulscherrerite:

New mineral description for IMA2008-022 reported in:

Brugger J, Meisser N, Etschmann B, Ansermet S, Pring A (2011) Paulscherrerite from the Number 2 Workings, Mount Painter Inlier, Northern Flinders Ranges, South Australia: "Dehydrated schoepite" is a mineral after all, *American Mineralogist* 96, 229-240

13 February, 2011: Fluorosphohedyphane:

New mineral description for IMA2008-068 reported in:

Kampf A R, Housley R M (2011) Fluorosphohedyphane, Ca<sub>2</sub>Pb<sub>3</sub>(PO<sub>4</sub>)<sub>3</sub>F, the first apatite supergroup mineral with essential Pb and F, *American Mineralogist* 96, 423-429

12 February, 2011: Gelsaite:

New mineral description for IMA2009-022 reported in:

Orlandi P, Demartin F, Pasero M, Leverett P, Williams P A, Hibbs D E (2011) Gelsaite, BiMo<sup>6+</sup><sub>(2-5x)</sub>Mo<sup>5+</sup><sub>6x</sub>O<sub>7</sub>(OH)·H<sub>2</sub>O (0≤x≤0.4), a new mineral from Su Senargiu (CA), Sardinia, Italy, and a second occurrence from Kingsgate, New England, Australia, *American Mineralogist* 96, 268-273

8 February, 2011: Guidottiite:

New mineral description for IMA2009-061 reported in:

Wahle M W, Bujnowski T J, Guggenheim S, Kogure T (2010) Guidottiite, the Mn-analogue of cronstedtite: A new serpentine-group mineral from South Africa, *Clays and Clay Minerals* 58, 364-376

6 February, 2011: Kerimasite:

New mineral description for IMA2009-029 reported in:

Zaitsev A N, Williams C T, Britvin S N, Kuznetsova I V, Spratt J, Petrov S V, Keller J (2010) Kerimasite,  $\text{Ca}_3\text{Zr}_2(\text{Fe}^{3+}_2\text{Si})\text{O}_{12}$ , a new garnet from carbonatites of Kerimasi volcano and surrounding explosion craters, northern Tanzania, *Mineralogical Magazine* 74, 803-820

5 February, 2011: Manitobaite:

New mineral description for IMA2008-064 reported in:

Ercit T S, Tait K T, Cooper M A, Abdu Y, Ball N A, Anderson A J, Černý P, Hawthorne F C, Galliski M (2010) Manitobaite,  $\text{Na}_{16}\text{Mn}^{2+}_{25}\text{Al}_8(\text{PO}_4)_{30}$ , a new phosphate mineral species from Cross Lake, Manitoba, Canada, *The Canadian Mineralogist* 48, 1455-1463

5 February, 2011: Aluminocoquimbite:

New mineral description for IMA2009-095 reported in:

Demartin F, Castellano C, Gramaccioli C M, Campostrini I (2010) Aluminocoquimbite,  $\text{AlFe}(\text{SO}_4)_3 \cdot 9\text{H}_2\text{O}$ , a new aluminum iron sulfate from Grotta dell'Allume, Vulcano, Aeolian Islands, Italy, *The Canadian Mineralogist* 48, 1465-1468

3 February, 2011: Keckite:

Chemical formula changed from  $\text{CaMn}^{2+}(\text{Fe}^{2+}\text{Mn}^{2+})\text{Fe}^{3+}_2(\text{PO}_4)_4(\text{OH})_2 \cdot 8\text{H}_2\text{O}$   
to  $\text{CaMn}^{2+}(\text{Fe}^{3+}\text{Mn}^{2+})\text{Fe}^{3+}_2(\text{PO}_4)_4(\text{OH})_3 \cdot 7\text{H}_2\text{O}$  as reported in:

Hochleitner R, Fehr K T (2010) The keckite problem and its bearing on the crystal chemistry of the jahnsite group: Mössbauer and electron-microprobe studies, *The Canadian Mineralogist* 48, 1445-1453

2 February, 2011: Strontiofluorite:

New mineral description for IMA2009-014 reported in:

Yakovenchuk V N, Ivanyuk G Y, Pakhomovsky Y A, Selivanova E A, Korchak J A, Nikolaev A P (2010) Strontiofluorite,  $\text{SrF}_2$ , a new mineral species from the Khibiny Massif, Kola Peninsula, Russia, *The Canadian Mineralogist* 48, 1487-1492

26 January, 2011: Ammineite:

New mineral description for IMA2008-032 reported in:

Bojar H P, Walter F, Baumgartner J, Färber G (2010) Ammineite,  $\text{CuCl}_2(\text{NH}_3)_2$ , a new species containing an ammine complex: Mineral data and crystal structure, *The Canadian Mineralogist* 48, 1359-1371

21 January, 2011: Fluoro-potassic-pargasite:

New mineral description for IMA2009-091 reported in:

Oberti R, Boiocchi M, Hawthorne F C, Pagano R, Pagano A (2010) Fluoro-potassic-pargasite,  $\text{KCa}_2(\text{Mg}_4\text{Al})(\text{Si}_6\text{Al}_2)\text{O}_{22}\text{F}_2$ , from the Tranomaro area, Madagascar: mineral description and crystal chemistry, *Mineralogical Magazine* 74, 961-967

26 December, 2010: Vorlanite:

New mineral description for IMA2009-032 reported in:

Galuskin E V, Armbruster T, Galuskina I O, Lazic B, Winiarski A, Gazeev V M, Dzierzanowski P, Zadov A E, Pertzov N N, Wrzalik R, Gurbanov A G, Janeczek J (2011) Vorlanite (Ca(U<sup>6+</sup>)O<sub>4</sub>) - A new mineral from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia, *American Mineralogist* 96, 188-196

24 December, 2010: Braitschite-(Ce):

Chemical formula changed from (Ca,Na)<sub>6</sub>(Ce,La,Nd)<sub>2</sub>B<sub>24</sub>O<sub>42</sub>(OH)<sub>6</sub>·3H<sub>2</sub>O to (Ca,Na)<sub>7</sub>Ce<sub>2</sub>B<sub>24</sub>O<sub>28</sub>(O,OH)<sub>12</sub>(OH)<sub>12</sub>·H<sub>2</sub>O because of the crystal structure analysis reported in:

Rowland C E, Cahill C L, Post J E (2010) The structure of braitschite, a calcium rare earth borate, *American Mineralogist* 96, 197-201

18 December, 2010: Natropharmacoalumite:

New mineral description for IMA2010-009 reported in:

Rumsey M S, Mills S J, Spratt J (2010) Natropharmacoalumite, NaAl<sub>4</sub>[(OH)<sub>4</sub>(AsO<sub>4</sub>)<sub>3</sub>]·4H<sub>2</sub>O, a new mineral of the pharmacosiderite supergroup and the renaming of aluminopharmacosiderite to pharmacoalumite, *Mineralogical Magazine* 74, 929-936

18 December, 2010: Pharmacoalumite:

New mineral name for aluminopharmacosiderite:

Rumsey M S, Mills S J, Spratt J (2010) Natropharmacoalumite, NaAl<sub>4</sub>[(OH)<sub>4</sub>(AsO<sub>4</sub>)<sub>3</sub>]·4H<sub>2</sub>O, a new mineral of the pharmacosiderite supergroup and the renaming of aluminopharmacosiderite to pharmacoalumite, *Mineralogical Magazine* 74, 929-936

2 December, 2010: Hydroniumpharmacosiderite:

New mineral description for IMA2010-014 reported in:

Mills S J, Kampf A R, Williams P A, Leverett P, Poirier G, Raudsepp M, Francis C A (2010) Hydroniumpharmacosiderite, a new member of the pharmacosiderite supergroup from Cornwall, UK: structure and description, *Mineralogical Magazine* 74, 863-869

2 November, 2010: Atheneite:

Chemical formula changed from (Pd,Hg)<sub>3</sub>As to Pd<sub>2</sub>As because of the crystal structure analysis reported in:

Bindi L (2010) Atheneite, [Pd<sub>2</sub>][As<sub>0.75</sub>Hg<sub>0.25</sub>], from Itabira, Minas Gerais, Brazil: Crystal structure and revision of the chemical formula, *The Canadian Mineralogist* 48, 1149-1155

2 November, 2010: Menzerite-(Y):

New mineral description for IMA2009-050 reported in:

Grew E S, Marsh J H, Yates M G, Lazic B, Armbruster T, Locock A, Bell S W, Dyar M D, Bernhardt H J, Medenbach O (2010) Menzerite-(Y), a new species,

$\{(Y,REE)(Ca,Fe^{2+})_2\}[(Mg,Fe^{2+})(Fe^{3+},Al)](Si_3)O_{12}$ , from a felsic granulite, Parry Sound, Ontario, and a new garnet end-member,  $\{Y_2Ca\}[Mg_2](Si_3)O_{12}$ , The Canadian Mineralogist 48, 1171-1193

1 November, 2010: Slavkovite:

New mineral description for IMA2004-038 reported in:

Sejkora J, Plášil J, Ondruš P, Veselovský F, Císařová I, Hloušek J (2010) Slavkovite,  $Cu_{13}(AsO_4)_6(AsO_3OH)_4 \cdot 23H_2O$ , a new mineral species from Horní Slavkov and Jáchymov, Czech Republic: Description and crystal-structure determination, The Canadian Mineralogist 48, 1157-1170

16 October, 2010: Depmeierite:

New mineral description for IMA2009-075 reported in:

Pekov I V, Olysyh L V, Chukanov K V, Pushcharovsky D Y (2010) Depmeierite  $Na_8[Al_6Si_6O_{24}](PO_4,CO_3)_{1-x} \cdot 3H_2O$  ( $x < 0.5$ ) - a new cancrinite group mineral from the Lovozero alkaline massif (Kola Peninsula, Russia), Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 4, 63-74

16 October, 2010: Fivegite:

New mineral description for IMA2009-067 reported in:

Pekov I V, Zubkova N V, Chukanov N V, Zadov A E, Pushcharovsky D Y (2010) Fivegite,  $K_4Ca_2[AlSi_7O_{17}(O_{2-x}OH_x)][(H_2O)_{2-x}OH_x]Cl$  - a new mineral from the Khibiny alkaline massif (Kola Peninsula, Russia), Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 4, 47-62

16 October, 2010: Eurekaumpite:

New mineral description for IMA2009-072 reported in:

Pekov I V, Chukanov N V, Zadov A E, Roberts A C, Jensen M C, Zubkova N V, Nikischer A J (2010) Eurekaumpite  $(Cu,Zn)_{16}(TeO_3)_2(AsO_4)_3Cl(OH)_{18} \cdot 7H_2O$  - a new hypergene mineral, Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 4, 26-35

16 October, 2010: Florencite-(Sm):

New mineral description for IMA2009-074 reported in:

Repina S A, Popova V I, Churin E I, Belogub E V, Chiller V V (2010) Florencite-(Sm),  $(Sm,Nd)Al_3(PO_4)_2(OH)_6$  - a new mineral of alunite-jarosite group from the Subpolar Urals, Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 4, 16-25

13 October, 2010: Oxyphlogopite:

New mineral description for IMA2009-069 reported in:

Chukanov N V, Mukhanova A A, Rastsvetaeva R K, Belakovskiy D I, Möckel S, Karimova O V, Britvin S N, Krivovichev S V (2010) Oxyphlogopite  $K(Mg,Ti,Fe)_3[(Si,Al)_4O_{10}](O,F)_2$ , a new mica group mineral, Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 3, 31-40

13 October, 2010: Barioferrite:

New mineral description for IMA2009-030 reported in:

Murashko M N, Chukanov N V, Mukhanova A A, Vapnik E, Britvin S N, Krivovichev S V, Polekhovskiy Y S, Ivakin Y D (2010) Barioferrite  $\text{BaFe}^{3+}_{12}\text{O}_{19}$  - a new magnetoplumbite-group mineral from Hatrurim formation, Israel, Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 3, 22-30

12 October, 2010: Manganoeudialyte:

New mineral description for IMA2009-039 reported in:

Nomura S F, Atencio D, Chukanov N V, Rastsvetaeva R K, Coutinho J M V, Karipidis T K (2010) Manganoeudialyte - a new mineral from Poços de Caldas, Minas Gerais, Brazil, Zapiski Rossiiskogo Mineralogicheskogo Obshchestva 139, issue 4, 35-47

6 October, 2010: Charoite:

Chemical formula changed from  $\text{K}_5\text{Ca}_8(\text{Si}_6\text{O}_{15})_2(\text{Si}_6\text{O}_{16})(\text{OH})\cdot n\text{H}_2\text{O}$  to  $(\text{K},\text{Sr},\text{Ba},\text{Mn})_{15-16}(\text{Ca},\text{Na})_{32}\text{Si}_{70}(\text{O},\text{OH})_{180}(\text{OH},\text{F})_4\cdot n\text{H}_2\text{O}$  because of the crystal structure analysis reported in:

Rozhdestvenskaya I, Mugnaioli E, Czank M, Depmeier W, Kolb U, Reinholdt A, Weirich T (2010) The structure of charoite,  $(\text{K},\text{Sr},\text{Ba},\text{Mn})_{15-16}(\text{Ca},\text{Na})_{32}[(\text{Si}_{70}(\text{O},\text{OH})_{180})](\text{OH},\text{F})_{4.0}\cdot n\text{H}_2\text{O}$ , solved by conventional and automated electron diffraction, Mineralogical Magazine 74, 159-177

6 October, 2010: Anatacamite:

New mineral description for IMA2009-042 reported in:

Malcherek T, Schlüter J (2010) Anatacamite from La Vendida mine, Sierra Gorda, Atacama desert, Chile: a triclinic polymorph of  $\text{Cu}_2(\text{OH})_3\text{Cl}$ , Neues Jahrbuch für Mineralogie, Abhandlungen 187, 307-312

30 September, 2010: Telluroperite:

New mineral description for IMA2009-044 reported in:

Kampf A R, Mills S J, Housley R M, Marty J, Thorne B (2010) Lead-tellurium oxysalts from Otto Mountain near Baker, California: VI. Telluroperite,  $\text{Pb}_3\text{Te}^{4+}\text{O}_4\text{Cl}_2$ , the Te analog of perite and nadorite, American Mineralogist 95, 1569-1573

30 September, 2010: Timroseite and paratimroseite:

New mineral description for IMA2009-064 and IMA2009-065 reported in:

Kampf A R, Mills S J, Housley R M, Marty J, Thorne B (2010) Lead-tellurium oxysalts from Otto Mountain near Baker, California: V. Timroseite,  $\text{Pb}_2\text{Cu}^{2+}_5(\text{Te}^{6+}\text{O}_6)_2(\text{OH})_2$ , and paratimroseite,  $\text{Pb}_2\text{Cu}^{2+}_4(\text{Te}^{6+}\text{O}_6)_2(\text{H}_2\text{O})_2$ , two new tellurates with Te-Cu polyhedral sheets, American Mineralogist 95, 1560-1568

30 September, 2010: Markcooperite:

New mineral description for IMA2009-045 reported in:

Kampf A R, Mills S J, Housley R M, Marty J, Thorne B (2010) Lead-tellurium oxysalts from Otto Mountain near Baker, California: IV. Markcooperite,  $\text{Pb}(\text{UO}_2)\text{Te}^{6+}\text{O}_6$ , the first natural uranyl tellurate, *American Mineralogist* 95, 1554-1559

30 September, 2010: Thorneite:

New mineral description for IMA2009-023 reported in:

Kampf A R, Housley R M, Marty J (2010) Lead-tellurium oxysalts from Otto Mountain near Baker, California: III. Thorneite,  $\text{Pb}_6(\text{Te}^{6+}_2\text{O}_{10})(\text{CO}_3)\text{Cl}_2(\text{H}_2\text{O})$ , the first mineral with edge-sharing octahedral tellurate dimers, *American Mineralogist* 95, 1548-1553

30 September, 2010: Françoisite-(Ce):

New mineral description for IMA2004-029 reported in:

Meisser N, Brugger J, Ansermet S, Thélin P, Bussy F (2010) Françoisite-(Ce), a new mineral species from La Creusaz uranium deposit (Valais, Switzerland) and from Radium Ridge (Flinders Ranges, South Australia): Description and genesis, *American Mineralogist* 95, 1527-1532

8 September, 2010: Housleyite:

New mineral description for IMA2009-024 reported in:

Kampf A R, Marty J, Thorne B (2010) Lead-tellurium oxysalts from Otto Mountain near Baker, California: II. Housleyite,  $\text{Pb}_6\text{CuTe}_4\text{O}_{18}(\text{OH})_2$ , a new mineral with Cu-Te octahedral sheets, *American Mineralogist* 95, 1337-1342

8 September, 2010: Ottoite:

New mineral description for IMA2009-063 reported in:

Kampf A R, Housley R M, Mills S J, Marty J, Thorne B (2010) Lead-tellurium oxysalts from Otto Mountain near Baker, California: I. Ottoite,  $\text{Pb}_2\text{TeO}_5$ , a new mineral with chains of tellurate octahedra, *American Mineralogist* 95, 1329-1336

8 September, 2010: Toturite:

New mineral description for IMA2009-033 reported in:

Galuskina I O, Galuskin E V, Dzierzanowski P, Gazeev V M, Prusik K, Pertsev N N, Winiarski A, Zadov A E, Wrzalik R (2010) Toturite  $\text{Ca}_3\text{Sn}_2\text{Fe}_2\text{SiO}_{12}$  - A new mineral species of the garnet group, *American Mineralogist* 95, 1305-1311

3 September, 2010: Sardignaitite:

New mineral description for IMA2008-040 reported in:

Orlandi P, Pasero M, Bigi S (2010) Sardignaitite, a new mineral, the second known bismuth molybdate: description and crystal structure, *Mineralogy and Petrology* 100, 17-22

3 September, 2010: Arsenoflorencite-(La):

New mineral description for IMA2009-078 reported in:

Mills S J, Kartashov P M, Kampf A R, Raudsepp M (2010) Arsenoflorencite-(La), a new mineral from the Komi Republic, Russian Federation: description and crystal structure, *European Journal of Mineralogy* 22, 613-621

30 August, 2010: Elbrusite-(Zr):

New mineral description for IMA2009-051 reported in:

Galuskina I O, Galuskin E V, Armbruster T, Lazic B, Kusz J, Dzierzanowski P, Gazeev V M, Pertsev N N, Prusik K, Zadov A E, Winiarski A, Wrzalik R, Gurbanov A G (2010) Elbrusite-(Zr) - A new uranian garnet from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia, *American Mineralogist* 95, 1172-1181

28 July, 2010: Pyrochlore supergroup redefined:

New mineral names include oxycalciopyrochlore, hydroxyhydrochlore, hydroxykenomicrolite, oxystannomicrolite, oxystibiomicrolite, hydroxycalcioroméite and hydrokenoelsmoreite. Discarded mineral names include alumotungstite, bariomicrolite, bariopyrochlore, bindheimite, bismutomicrolite, bismutopyrochlore, bismutostibiconite, calciobetafite, ceriopyrochlore-(Ce), cesstibtantite, ferritungstite, jixianite, kalipyrochlore, monimolite, natrobistantite, partzite, plumbobetafite, plumbomicrolite, plumbopyrochlore, stannomicrolite, stetefeldtite, stibiconite, stibiobetafite, stibiomicrolite, strontiopyrochlore, uranmicrolite, uranpyrochlore, yttrobetafite-(Y), and ytropyrochlore-(Y). Five groups are defined, based on the atomic proportions of Nb, Ta, Sb, Ti, and W. The recommended groups are pyrochlore, microlite, roméite, betafite, and elsmoreite,

Atencio D, Andrade M B, Christy A G, Gieré R, Kartashov P M (2010) The pyrochlore supergroup of minerals: nomenclature, *The Canadian Mineralogist* 48, 673-698

28 July, 2010: Arisite-(Ce):

New mineral description for IMA2009-013 reported in:

Piilonen P C, McDonald A M, Grice J D, Rowe R, Gault R A, Poirier G, Cooper M A, Kolitsch U, Roberts A C, Lechner W, Palfi A G (2010) Arisite-(Ce), a new rare-earth fluorcarbonate from the Aris phonolite, Namibia, Mont Saint-Hilaire and the Saint-Amable sill, Quebec, Canada, *The Canadian Mineralogist* 48, 661-671

28 July, 2010: Dantopaite:

New mineral description for IMA2008-058 reported in:

Makovicky E, Paar W H, Putz H, Zagler G (2010) Dantopaite,  $Ag_5Bi_{13}S_{22}$ , the  ${}^6P$  natural member of the pavonite homologous series, from Erzwies, Austria, *The Canadian Mineralogist* 48, 467-481

26 July, 2010: Bendadaite:

New mineral description for IMA1998-053a reported in:

Kolitsch U, Atencio D, Chukanov N V, Zubkova N V, Menezes L A D, Coutinho J M V, Birch W D, Schlüter J, Pohl D, Kampf A R, Steele I M, Favreau G, Nasdala L,

- Möckel S, Giester G, Pushcharovsky D Y (2010) Bendadaite, a new iron arsenate mineral of the arthurite group, *Mineralogical Magazine* 74, 469-486
- 26 July, 2010: Kurilite:  
New mineral description for IMA2009-080 reported in:  
Kovalenker V A, Plotinskaya O Y, Stanley C J, Roberts A C, McDonald A M, Cooper M A (2010) Kurilite -  $\text{Ag}_8\text{Te}_3\text{Se}$  - a new mineral from the Prasolovskoe deposit, Kuril islands, Russian Federation, *Mineralogical Magazine* 74, 463-468
- 26 July, 2010: Noonkanbahite:  
New mineral description for IMA2009-059 reported in:  
Uvarova Y A, Sokolova E, Hawthorne F C, Liferovich R P, Mitchell R H, Pekov I V, Zadov A E (2010) Noonkanbahite,  $\text{BaKNaTi}_2(\text{Si}_4\text{O}_{12})\text{O}_2$ , a new mineral species: description and crystal structure, *Mineralogical Magazine* 74, 441-450
- 19 July, 2010: Potassic-ferropargasite:  
New mineral description for IMA2007-053 reported in:  
Banno Y, Miyawaki R, Matsubara S, Sato E, Nakai I, Matsuo G, Yamada S (2009) Potassic-ferropargasite, a new member of the amphibole group, from Kabutoichiba, Mie Prefecture, central Japan, *Journal of Mineralogical and Petrological Sciences* 104, 374-382
- 17 July, 2010: Balliranoite:  
New mineral description for IMA2008-065 reported in:  
Chukanov N V, Zubkova N V, Pekov I V, Olysykh L V, Bonaccorsi E, Pushcharovsky D Y (2010) Balliranoite,  $(\text{Na,K})_6\text{Ca}_2(\text{Si}_6\text{Al}_6\text{O}_{24})\text{Cl}_2(\text{CO}_3)$ , a new cancrinite-group mineral from Monte Somma - Vesuvio volcanic complex, Italy, *European Journal of Mineralogy* 22, 113-119
- 15 July, 2010: Mcguinnessite and rosasite:  
Chemical formula are changed from  $(\text{Mg,Cu})_2\text{CO}_3(\text{OH})_2$  and  $(\text{Cu,Zn})_2\text{CO}_3(\text{OH})_2$ , to  $\text{CuMgCO}_3(\text{OH})_2$  and  $\text{CuZnCO}_3(\text{OH})_2$ , respectively, because crystal structure analyses demonstrate that the Cu, Mg and Zn order into crystallographically distinct sites, as reported in:  
Perchiazzi N (2006) Crystal structure determination and Rietveld refinement of rosasite and mcguinnessite, *Zeitschrift für Kristallographie Supplement* 23, 505-510
- 15 July, 2010: Glaukosphaerite and kolwezite:  
Chemical formula are changed from  $(\text{Cu,Ni})_2\text{CO}_3(\text{OH})_2$  and  $(\text{Cu,Co})_2\text{CO}_3(\text{OH})_2$ , to  $\text{CuNiCO}_3(\text{OH})_2$  and  $\text{CuCoCO}_3(\text{OH})_2$ , respectively, because crystal structure analyses demonstrate that the Cu, Ni and Co order into crystallographically distinct sites, as reported in:  
Perchiazzi N, Merlino S (2006) The malachite-rosasite group: crystal structures of glaukosphaerite and pokrovskite, *European Journal of Mineralogy* 18, 787-792

- 30 June, 2010: Bitikleite-(SnAl) and bitikleite-(ZrFe)  
 New mineral descriptions for IMA2009-052 and IMA2009-053, respectively, reported in:  
 Galuskin I O, Galuskin E V, Armbruster T, Lazic B, Dzierzanowski P, Gazeev V M, Prusik K, Pertsev N N, Winiarski A, Zadov A E, Wrzalik R, Gurbanov A G (2010) Bitikleite-(SnAl) and bitikleite-(ZrFe): New garnets from xenoliths of the Upper Chegem volcanic structure, Kabardino-Balkaria, Northern Caucasus, Russia, *American Mineralogist* 95, 959-967
- 30 June, 2010: Pertsevite-(OH)  
 New mineral description for IMA2008-060 reported in:  
 Galuskin I O, Ottolini L, Kadiyski M, Armbruster T, Galuskin E V, Dzierzanowski P, Winiarski A (2010) Pertsevite-(OH), a new mineral in the pertsevite series,  $Mg_2(BO_3)_{1-x}(SiO_4)_x(F,OH)_{1-x}$  ( $x < 0.5$ ), from the Snezhnoye deposit in Sakha-Yakutia Republic, Russia, *American Mineralogist* 95, 953-958
- 30 June, 2010: Polezhaevaite-(Ce)  
 New mineral description for IMA2009-015 reported in:  
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