

New Mineral Names Deposit: AM-12-089

October American Mineralogist 2012

D. Belakovskiy and K.T. Tait

Here, we list all of the new minerals from American Mineralogist in 2011.

**Ambrinoite\***

C. Biagioni, E. Bonaccorsi, M. Pasero, Y. Moëlo, M.E. Ciriotti, D. Bersani, A.M. Callegari and M. Boiocchi (2011) Ambrinoite,  $(K,NH_4)_2(As,Sb)_8S_{13} \cdot H_2O$ , a new mineral from Upper Susa Valley, Piedmont, Italy: The first natural  $(K,NH_4)$ -hydrated sulfosalt. *Am. Mineral.* 96, 878-887.

**Argandite\***

J. Brugger, P. Elliott, N. Meisser and S. Ansermet (2011) Argandite,  $Mn_7(VO_4)_2(OH)_8$ , the V analogue of allactite from the metamorphosed Mn ores at Pipji, Turtmann Valley, Switzerland, *Am. Mineral.* 96, 1894-1900.

**Brearleyite\***

C. Ma, H.C. Connolly, J.R. Beckett, O. Tschauer, G.R. Rossman, A.R. Kampf, T.J. Zega, S.A. Sweeney Smith and D.L. Schrader (2011) Brearleyite,  $Ca_{12}Al_{14}O_{32}Cl_2$ , a new alteration mineral from the NWA 1934 meteorite, *Am. Mineral.* 96, 1199-1206.

**Cranswickite\***

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

**Eliseevite\***

V.N. Yakovenchuk, G.Y. Ivanyuk, S.V. Krivovichev, Y.A. Pakhomovsky, E.A. Selivanova, J.A. Korchak, Y.P. Men'shikov, S.V. Drogobuzhskaya and O.A. Zalkind (2011) Eliseevite,  $Na_{1.5}Li[Ti_2Si_4O_{12.5}(OH)_{1.5}] \cdot 2H_2O$ , a new microporous titanosilicate from the Lovozero alkaline massif (Kola Peninsula, Russia), *Am. Mineral.* 96, 1624-1629.

**Fluorphosphohedyphane\***

A.R. Kampf and R.M. Housley (2011) Fluorphosphohedyphane,  $Ca_2Pb_3(PO_4)_3F$ , the first apatite supergroup mineral with essential Pb and F, *Am. Mineral.* 96, 423-429.

**Franckeite\***

E. Makovicky, V. Petříček, M. Dušek and D. Topa (2011) The crystal structure of franckeite,  $Pb_{21.7}Sn_{9.3}Fe_{4.0}Sb_{8.1}S_{56.9}$ , *Am. Mineral.* 96, 1686-1702.

**Gelosaite\***

P. Orlandi, F. Demartin, M. Pasero, P. Leverett, P.A. Williams and D.E. Hibbs (2011) Gelosaite,  $BiMo^{6+}_{(2-5x)}Mo^{5+}_{6x}O_7(OH) \cdot H_2O$  ( $0 \leq x \leq 0.4$ ), a new mineral from Su Senargiu (CA), Sardinia, Italy, and a second occurrence from Kingsgate, New England, Australia, *Am. Mineral.* 96, 268-273.

**Hazenite\***

H. Yang, H.J. Sun and R.T. Downs (2011) Hazenite,  $KNaMg_2(PO_4)_2 \cdot 14H_2O$ , a new biologically related phosphate mineral, from Mono Lake, California, U.S.A., *Am. Mineral.* 96, 675-681.

**Krotite\***

C. Ma, A.R. Kampf, H.C. Connolly Jr., J.R. Beckett, G.R. Rossman, S.A. Sweeney Smith and D.L. Schrader (2011) Krotite,  $\text{CaAl}_2\text{O}_4$ , a new refractory mineral from the NWA 1934 meteorite. *Am. Mineral.* 96, 709-715.

#### **Paulscherrerite\***

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

#### **Rankamaite\***

D. Atencio, R.R. Contreira, S.J. Mills, J.M.V. Coutinho, S.B. Honorato, A.P. Ayala, J. Ellena and M.B. De Andrade (2011) Rankamaite from the Urubu pegmatite, Itinga, Minas Gerais, Brazil: Crystal chemistry and Rietveld refinement, *Am. Mineral.* 96, 1455-1460.

#### **Sejkoraite-(Y)\***

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

#### **Uchucchacuaite\***

Yang H, Downs R T, Evans S H, Feinglos M N, Tait K T (2011) Crystal structure of uchucchacuaite,  $\text{AgMnPb}_3\text{Sb}_5\text{S}_{12}$ , and its relationship with ramdohrite and fizélyite, *Am. Mineral.* 96, 1186-1189.

#### **Vorlanite\***

E.V. Galuskin, T. Armbruster, I.O. Galuskina, B. Lazic, A. Winiarski, V.M. Gazeev, P. Dzierzanowski, A.E. Zadov, N.N. Pertzev, R. Wrzalik, A.G. Gurbanov and J. Janeczek (2011) Vorlanite ( $\text{CaU}^{6+}\text{O}_4$ ) - A new mineral from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia, *Am. Mineral.* 96, 188-196.

#### **Yttriaite-(Y)\***

S.J. Mills, P.M. Kartashov, C. Ma, G.R. Rossman, M.I. Novgorodova, A.R. Kampf and M. Raudsepp (2011) Yttriaite-(Y): The natural occurrence of  $\text{Y}_2\text{O}_3$  from the Bol'shaya Pol'ya River, Subpolar Urals, Russia, *Am. Mineral.* 96, 1166-1170