NEW MINERAL PROPOSALS APPROVED IN JANUARY 2015

IMA No. **2014-084**
Abuite
$CaAl_2(PO_4)_2F_2$
Hinomaru-Nago mine, Kiyo area, Abu, Abu County, Yamaguchi Prefecture, Japan (34º53′N 131º52′E)
Satomi Enju and Seiichiro Uehara*
*E-mail: uehara@geo.kyushu-u.ac.jp
Known synthetic analogue (with Sr in the place of Ca)
Orthorhombic: $P2_12_12_1$
a = 11.818(2), b = 11.993(3), c = 4.6872(8) Å
4.362(25), 3.683(32), 3.529(43), 3.139(86), 2.951(100), 2.928(80), 2.183(24), 2.046(21)
Type material is deposited in the collections of the Kitakyushu Museum of Natural History and Human History, Kitakyushu, Japan, registered number KMNHM000003
How to cite: Enju, S. and Uehara, S. (2015) Abuite, IMA 2014-084. CNMNC Newsletter No. 23, February 2015, page 58; *Mineralogical Magazine*, **79**, 51–58.

IMA No. **2014-085**
Lipuite
$KNa_8Mn_5^{3+}Mg_{0.5}[Si_{12}O_{30}(OH)_4](PO_4)O_2(OH)_2 \cdot 4H_2O$
N'Chwaning III mine, Kalahari Manganese Fields, Northern Cape Province, South Africa (27º7′50.81″S, 22º50′28.83″E)
Hexiong Yang*, Xiangping Gu, Xiande Xie, Jaco J. van Nieuwenhuizen, Stanley H. Evans and Robert T. Downs
*E-mail: hyang@u.arizona.edu
New structure type
Orthorhombic: *Pnnm*; structure determined
a = 9.080(3), b = 12.222(3), c = 17.093(5) Å
9.955(52), 4.853(68), 3.965(52), 2.889(100), 2.772(49), 2.617(57), 2.477(68), 2.084(65)
Cotype material is deposited in the collections of the Mineral Museum of the University of Arizona, Tucson, Arizona, USA, catalogue number 20010, and the RRUFF Project, deposition number R140496
How to cite: Yang, H., Gu, X., Xie, X., van Nieuwenhuizen, J.J., Evans, S.H. and Downs, R.T. (2015) Lipuite, IMA 2014-085. CNMNC Newsletter No. 23, February 2015, page 58; *Mineralogical Magazine*, **79**, 51–58.

REVISION OF CHEMICAL FORMULA APPROVED IN JANUARY 2015

IMA 14-I: Aradite
In the original submission of the mineral aradite (IMA 2013-047) the authors erroneously used EPMA results of another grain; therefore aradite was approved with an incorrect chemical formula (see CNMNC Newsletter 17). The correct end-member formula of aradite is $BaCa_6[(SiO_4)(VO_4)](VO_4)_2F$.

REVISED CHEMICAL FORMULA

A paper on the mineral camerolaite has been published recently [*Mineralogical Magazine*, **78**, 1527–1552 (2014)] in which the ideal chemical formula of the mineral is given as $Cu_6Al_3(OH)_{18}(H_2O)_2[Sb(OH)_6](SO_4)$. In this formula ($CO_3$) is lacking, while it was present as an essential component in the previously accepted formula of camerolaite. These data were examined carefully by the CNMNC officers and were considered reliable. Accordingly it was agreed to modify the formula of camerolaite in the official IMA List of Minerals.

ERRATUM

IMA No. 2014-044 Wetherillite
In CNMNC Newsletter 22, the mineral name was typed incorrectly as whetherillite. The correct name is wetherillite.

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