

Commission on New Minerals, Nomenclature and Classification

2014 Report to IMA Council

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(Prepared by IMA Council Correspondent, Joel Grice in conjunction with Stuart Mills CNMNC Secretary)

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The CNMNC remains incredibly active and has continued its high levels of activity over the past 12 months. In the past year a large number of new minerals and nomenclature proposals have been approved by the Commission. Additions to this report are only since May 2013 for other nomenclature matters. The CNMNC newsletter continues to be published through the Mineralogical Magazine and remains an effective avenue for the Commission in publishing information about new minerals.

Activities:

1. In 2013, 141 proposals for new minerals were received and of these 140 went to the vote, 1 having been withdrawn. Subsequently another 3 proposals were withdrawn. Of the remaining 137 proposals, 134 were approved. One approved proposal has been resubmitted as a result of new chemical and structural data having been obtained; it remains in the voting round to be completed by 31 July 2014. In 2014, by mid-June, 61 new mineral proposals have been handled. All 24 proposals for which voting has been completed (31 May 2014) have been approved. One proposal was withdrawn prior to any formal vote.
2. Redefinitions and discreditations: **clinobarylite** is discredited (= barylite-10); **thenardite** has been renamed thénardite; **lithidionite** has been renamed litidionite; **jamborite** has been redefined as $\text{Ni}^{2+}_{1-x}\text{Co}^{3+}_x(\text{OH})_{2-x}(\text{SO}_4)_x \cdot n\text{H}_2\text{O}$ rather than $(\text{Ni}^{2+}, \text{Ni}^{3+}, \text{Fe})(\text{OH})_2(\text{OH}, \text{S}, \text{H}_2\text{O})$.
3. Nomenclature of mineral groups: The **Mayenite Supergroup** nomenclature was passed, resulting in: 1) Brearleyite was discredited; 2) Mayenite has been redefined and renamed chlormayenite; 3) Kyuygenite has been renamed chlorkyuygenite; 4) The Mayenite Supergroup has been established. The **Tobermorite Supergroup** nomenclature was passed, resulting in: 1) Plombièreite is redefined as $[\text{Ca}_4\text{Si}_6\text{O}_{16}(\text{OH})_2 \cdot 2\text{H}_2\text{O}] \cdot (\text{Ca} \cdot 5\text{H}_2\text{O})$; 2) Tobermorite has been redefined as comprising two minerals: tobermorite $[\text{Ca}_4\text{Si}_6\text{O}_{17} \cdot 2\text{H}_2\text{O}] \cdot (\text{Ca} \cdot 3\text{H}_2\text{O})$ and kenotobermorite $[\text{Ca}_4\text{Si}_6\text{O}_{15}(\text{OH})_2 \cdot 2\text{H}_2\text{O}] \cdot 3\text{H}_2\text{O}$; 3) Clinotobermorite is defined as $[\text{Ca}_4\text{Si}_6\text{O}_{17} \cdot 2\text{H}_2\text{O}] \cdot (\text{Ca} \cdot 3\text{H}_2\text{O})$; 4) Riversideite is defined as a questionable species.
4. The IMA list of minerals continues to be updated frequently and the last upload to the CNMNC website was in March 2014.