

Minerals Subcommittee Meeting Minutes

16 March 2016

1. Call to Order – The Minerals Subcommittee Meeting was called to order at 2:00 p.m. on Wednesday, 25 March 2016 by Chair, A. Roberts.
2. Appointment of Minutes Secretary: S. Quick was appointed secretary.
3. Approval of March 2015 minutes: S. Misture moved that the minutes be accepted and M. Rodriguez seconded. Motion carried.
4. Review of Mission Statement: The mission statement for Minerals Subcommittee (given below) was posted; no changes were proposed.

The objective of the Minerals Subcommittee shall be to maintain the quality of the products which serve the mineralogical and industrial communities. Furthermore, the goals of the subcommittee shall be to continue the evolution of products that serve these communities and to maintain as current a database as is possible.

5. Board of Directors' Liaison Report: No motions from previous year were reported.
6. Ann Sabina: A. Roberts described his professional relationship with her and her many contributions to the Powder Diffraction File.
7. Report from Minerals Task Group and other Info: A. Roberts reported that the Minerals Task Group met in June to review and approve 43 patterns. An additional six patterns were reviewed by a conference call in the fall.
 - a. Mineral name updates from IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletters: A. Roberts also reported that mineral name updates are reported in Mineralogical Magazine three to four times during the year. He examines the database for synthetic equivalents.
 - b. Mineral group classification update: S. Kabekkodu reported that there is a semi-automatic process for assigning mineral classifications to minerals in the PDF. New experimental entries are examined by the Minerals Task Group. However, there are thousands of calculated entries that need to be classified. If the entries were classified by the source, then those are confirmed. Those entries not classified are compared to other entries in the database in an attempt to classify them. Approximately 4,500 calculated entries were classified in Release 2014, 20,000 calculated entries were classified in Release 2015, and 300,000 calculated entries were classified in Release 2016.
8. New Business:
 - a. Capitalization of Mineral Names: A. Roberts moved the following:

The Minerals Subcommittee recommends to the Technical Committee that within the Mineral Name field, all mineral names in the 01 (FIZ, ICSD) and 04 (LPF) database be capitalized. Presently, it is a mixture of uppercase and lowercase mineral names.

P. Wallace seconded and the motion carried. It was noted that all mineral names within the 00 (experimental) are capitalized. This would provide consistency across all databases that contain a Mineral Name field.
 - b. Re-review of all mineral related patterns: A. Roberts reported that the review is continuing.

- c. Changing old country names in the Experimental (00) database for ambient mineral patterns: A. Roberts reported that country of origin has been reviewed for mineral entries in the experimental file and updated if the name of the country has changed.
 - d. "Mineral Analysis of Tomorrow." J. Kaduk commented that the database could become "smarter" by correlations to associated minerals. This correlation would require reviewing the original papers to find the associated minerals. C. Foris suggested that ICDD could start now, and review how the new option is used by customers.
9. The meeting was adjourned at 2:50 p.m.