

## STANDARDIZATION OF POLYTYPE SUFFIXES

ERNEST H. NICKEL\*

*Division of Mineral Products, CSIRO, Wembley, WA 6014, Australia*

The Commission on New Minerals and Mineral Names (CNMMN) of the International Mineralogical Association has published guidelines on a number of matters dealing with mineralogical nomenclature, including the nomenclature of polytypes (*e.g.*, Nickel & Mandarino 1987). In essence, polytypes are distinguished by alphanumerical symbols appended to the root name and joined to it by a hyphen. The numerical part of the symbol represents the layering periodicity, and the alphabetical part, rendered in italic print, represents the crystallographic system. For example, wurtzite-4*H* is a hexagonal polytype of wurtzite with a periodicity of 4 times the *c* dimension of the wurtzite parent.

Prior to the publication of these guidelines, various other symbols of polytypes had been used in the mineralogical literature. In an effort to standardize the nomenclature of polytypes, members of the CNMMN decided that previous usage should be brought into conformity with current practice, which follows the recommendations of the International Union of Crystallography (Guinier *et al.* 1984). Polytype names in the literature that require changing are as follows:

<b>Original Name</b>	<b>Present Name</b>	<b>Reference</b>
Anandite-2 <i>Or</i>	Anandite-2 <i>O</i>	Filut <i>et al.</i> (1958)
Gageite-1 <i>Tc</i>	Gageite-1 <i>A</i>	Ferraris <i>et al.</i> (1987)
Hilgardite-1 <i>Tc</i>	Hilgardite-1 <i>A</i>	Ghose (1985)
Hilgardite-3 <i>Tc</i>	Hilgardite-3 <i>A</i>	Ghose (1985)
Pyrophyllite-1 <i>Tc</i>	Pyrophyllite-1 <i>A</i>	Wardle & Brindley (1972)
Sapphirine-1 <i>Tc</i>	Sapphirine-1 <i>A</i>	Merlino (1973)
Tyretskite-1 <i>Tc</i>	Tyretskite-1 <i>A</i>	Ghose (1985)
Wollastonite-1 <i>T</i>	Wollastonite-1 <i>A</i>	Hemni <i>et al.</i> (1978)
Wollastonite-3 <i>T</i>	Wollastonite-3 <i>A</i>	Hemni <i>et al.</i> (1983)
Wollastonite-4 <i>T</i>	Wollastonite-4 <i>A</i>	Hemni <i>et al.</i> (1983)
Wollastonite-5 <i>T</i>	Wollastonite-5 <i>A</i>	Hemni <i>et al.</i> (1983)
Wollastonite-7 <i>T</i>	Wollastonite-7 <i>A</i>	Hemni <i>et al.</i> (1978)

It is quite likely that the mineralogical literature contains additional examples of polytype symbols that do not conform to the recommended usage. Such names also should be revised to bring them in conformity. The recommended alphabetical symbols are as follows: cubic, *C*; hexagonal, *H*; rhombohedral, *R*; trigonal, *T*; tetragonal, *Q* (for quadratic); orthorhombic, *O*; monoclinic, *M*; and triclinic, *A* (for anorthic).

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\*Vice-Chairman, Commission on New Minerals and Mineral Names, International Mineralogical Association.

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Received May 14, 1993.