Křemen-turmalínová žíla s apatitem-(CaF) z Babic u Šternberka

Quartz-tourmaline vein with apatite-(CaF) from Babice near Šternberk

Jiří Zimák[1)] a Pavel Novotný[2)]

[1)] *Katedra geologie, Přírodovědecká fakulta UP, třída Svobody 26, 771 46 Olomouc*
[2)] *Vlastivědné muzeum v Olomouci, náměstí Republiky 5, 771 71 Olomouc*

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Abstract

Hydrothermal veins composed of quartz, calcite and tourmaline of schorl-dravite series are known from many localities in the Šternberk-Horní Benešov Belt, Vrbno Group and Konice-Mladeč Belt in the NE part of the Bohemian Massif. The veins are interpreted to have formed from fluids related to sub-seafloor hydrothermal systems in Devonian. In the southernmost part of the Šternberk-Horní Benešov Belt, fragments of quartz-calcite-tourmaline veins are very abundant at locality Babice. Apatite-(CaF) was found in a sole fragment of hydrothermal vein as white fan-shaped aggregates coating cavities after leached calcite (up to 0.7 mm thick crusts), and as up to 0.2 mm thick veinlets cross-cutting quartz and tourmaline.

Key words: *apatite-(CaF), tourmaline, hydrothermal mineralization, iron ore deposit, the Šternberk-Horní Benešov Belt, northern Moravia*