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PŮVODNÍ PRÁCE/ORIGINAL PAPER

Příspěvek k poznání exotických hornin flyšového pásma Západních Karpat: chloritoidová břidlice z Nového dvora u Kvasic (Chřiby)

**A contribution to knowledge of exotic rocks of the Western Carpathian Flysch Belt:
Chloritoid schist from Nový dvůr near Kvasice (Chřiby Mts., Czech Republic)**

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Abstract

New occurrence of pebbles of chloritoid schists, found in Eocene-to-Oligocene conglomerates of the Zlín Formation, Rača Unit, Magura Flysch, Outer Western Carpathians, Czech Republic, is characterized in this contribution. The rock has very simple mineral composition, including chloritoid, quartz, white mica and trace amount of apatite, rutile, and monazite. Chloritoid contains only very small proportions of magnesiochloritoid (7 - 11 mol. %) and ottrelite (up to 0.4 mol. %) components. The composition of white mica corresponds to muscovite and illite. The significant differences in mineral assemblages of rocks as well as in chemical composition of chloritoid and white mica usually appeared during comparison with those of similar rock types occurring in potential source areas in the Czech Republic, Slovakia, and Austria. The best comparable chemical composition showed only chloritoid in chloritoid schist from Bělá in the Hrubý Jeseník Mts., Silesicum, Czech Republic.

Key words: Outer Western Carpathians, Flysch Belt, conglomerates, exotic rocks, chloritoid schist, provenance study

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