

APPEARANCES OF NICKEL MINERALIZATION ON ORE DEPOSITS IN THE MALÉ KARPATY AND NÍZKE TATRY MTS., WESTERN CARPATHIANS, SLOVAKIA

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Until recently, occurrences of Ni mineralization in the Malé Karpaty Mts. were known in the mineral deposit near the village of Častá (CAMBEL & KRIŠTÍN, 1977) and an indication of secondary annabergite in the Pezinok mineral deposit (POLÁK, 1955). Suitable geochemical data about Ni contents in this area were substantially extended by the mineralogical work of ANDRÁŠ *et al.* (1998). According to this, Ni mineralization in the Malé Karpaty Mts. is much wider than was assumed.

Beside locality Častá (ANDRÁŠ, 1996), appearances of Ni minerals were verified in the Pezinok and Trojárová ore deposits (ANDRÁŠ & CHOVAN, 1995). There are exsolutions of Ni in pyrite, identification of ullmannite, gersdorffite, korynite and Ni-tetrahedrite.

Occurrences of Ni mineralization in the Nízke Tatry Mts. are rarer but important to complete the summary of mineralization in this region. They are known in the Jasenie (STANKOVIČ & JANČULA, 1982), Vyšná Boca (OZDÍN & CHOVAN, 1998) and Dúbrava (CHOVAN *et al.*, 1998) ore deposits by appearances of ullmannite, gersdorffite and an unidentified Ni sulphidic phase.

In both presented ore districts Ni mineralization is accompanied most frequently by carbonates, quartz, sulphides and sulphosalts of Cu, Sb, Zn. It is not impossible that detailed research in the future will bring more data about Ni mineralization in this region (IVAN & HOVORKA, 1980; SPIŠIAK *et al.*, 1998; ROJKOVIČ & HOVORKA, 1979). It is supposed that the origin of nickel is connected to the Ni content in surrounding rocks.

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