

Supergenní As mineralizace odvalu Stará Plimle na Kaňku u Kutné hory (Česká republika)

Supergene As mineralization of the Stará Plimle mine dump, at Kaňk near Kutná Hora (Czech Republic)

JAN LOUN¹⁾, PETR PAULIŠ²⁾, FRANTIŠEK NOVÁK[†], JAKUB PLÁŠIL¹⁾ A JAROMÍR ŠEVCŮ³⁾

¹⁾ Národní muzeum, Václavské náměstí 68, 115 79 Praha 1

²⁾ Smíškova 564, 284 01 Kutná Hora

³⁾ Jana Palacha 161, 284 01 Kutná Hora

LOUN J., PAULIŠ P., NOVÁK F., PLÁŠIL J., ŠEVCŮ J. (2010): Supergenní As mineralizace odvalu Stará Plimle na Kaňku u Kutné hory (Česká republika). - *Bull. mineral.-petrolog. Odd. Nár. Muz. (Praha)* **18/1**, 73-77. ISSN: 1211-0329.

Abstract

In the area of the dumps of the Staročeské pásmo zone (mine dump Stará Plimle) at Kaňk near Kutná Hora (Czech Republic) a new occurrence of arsenic supergene mineralization has been found. The association of supergene minerals is similar to original findings from the Kuntery and Šafary medieval mines. Mineral assemblage includes kaňkite, scorodite and zýkaite formed as an alteration products of weathering of primary sulphide minerals, such as arsenopyrite that is abundant component of ores at Kaňk. Above mentioned minerals were identified by powder XRD and their chemical composition was determined semiquantitatively by EDX microanalysis.

Key words: *kaňkite, scorodite, zýkaite, powder XRD data, chemical composition, supergene mineralization, Staročeské zone, Kaňk, Kutná Hora, Czech Republic*