## ORE-BEARING VEINS NEAR SZCZAWNICA, PIENINY KLIPPEN BELT

by *Jan Wojciechowski*

Mining works had been carried out at Mt. Jarmuta and its vicinity between 1732 and 1740 (see Matras 1959). The objects of exploitation were ore-bearing veins associated with andesites and with surrounding strongly altered sedimentary rocks. The andesite was subjected to slight propilitization (cf. Małkowski 1918, 1921; Wojciechowski 1955; Gajdówna 1958). The ore-bearing vein at Mt. Jarmuta is 4—50 cm thick and contains mainly magnetopyrite and chalcopyrite associated with secondary limonite. The primary ore minerals are: galenite, sphalerite, pyrite, chalcopyrite, arsenopyrite, pyrrhotite, native gold. The secondary minerals are: cerussite, malachite, azurite, pitticite, pyromorphite and (very rare) native silver, natural copper, traces of mercury and tellurium. The gangue minerals are associated with quartz, calcite and ankerite.

The mineral paragenesis of the ore-bearing veins indicates epithermal, subvolcanic conditions of formation of the veins, which are genetically related to the andesite.

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