

## **INFORMATION ON THE ROPICE HORIZON IN THE TERRITORY OF THE CZECH REPUBLIC (LATE JURASSIC, SILESIAN UNIT OF OUTER WESTERN CARPATHIANS)**

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With the deposits in the Těšín region that have the conglomerate character and contain exotic rocks, the Late Jurassic Vendryně Formation terminates (Eliáš *et al.* 2003). The given part of sequence of strata was designated by Menčík *et al.* (1983) as Ropice Horizon. According to Menčík *et al.* (1983, p. 17, Fig. 1 in Suppl. 1) and also according to the electronic information of Eliáš (1993), the type section, or stratotype occurs in the left bank of the Ropičanka River in the municipality of Ropice (near Český Těšín). The locality mentioned was incorporated by Eliáš into a set of geological localities proposed by the Czech Geological Survey for protection. Eliáš (1970) designated the mentioned deposits as tilloid conglomerates and provided their basic lithological characterization. Król & Decrouez (2002) distinguished five types of limestone among the redeposited materials from the Zamarski locality and presented a list of their organic remains.

In the spring of 2009 I made effort to acquaint myself with the state of the type locality. In the course of my visit to the locality I found out that in the place of expected outcrop of the Ropice Horizon, consistent river regulation works had been executed. The left undercut-slope bank, the bottom and the right bank had been completely covered with large sandstone blocks. Only higher in the slope, from the whole outcrop merely a part of overlying Těšín Limestone remained exposed. From the mentioned limestones, samples for thin sections for possible calpionellid occurrence were taken.

Another outcrop of Ropice horizon is stated by Menčík *et al.* (1983, Fig. 2 in Suppl. 18) in the left bank of the Olza River near the municipality of Karpentná (south-east of Třinec). It is a case of extensive natural outcrop of complicated tectonic pattern. This outcrop cannot be accessed easily because near the left bank, deep water is there. The Ropice Horizon is exposed in the east part of the outcrop. In an absolutely inaccessible part high above the river, above the mentioned horizon, basal deposits of Těšín Limestone outcrop. In the west part, behind the tectonic line, the folded Vendryně Formation follows.

Under more favourable climatic conditions, more detailed documentation of Ropice horizon near Karpentná should be obtained this year in connection with sampling for thin sections, and others. Potentially, the mentioned outcrop could represent the neostratotype on which (as with the disappeared outcrop at Ropice) basal deposits of Těšín Limestone also outcrop on the top of the Ropice horizon.

If the samples taken for thin sections provide calpionellids or other stratigraphically significant microfossils, they should help to prove the age of Ropice Horizon. Information on Early Tithonian age that is stated by Król & Decrouez (2002) from the Zamarski locality, does not seem to be unambiguously documented.

## REFERENCES

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