

Mississippian chondrichthyan fishes from the area of Krzeszowice, southern Poland

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Two new assemblages of Mississippian pelagic chondrichthyan microremains were recovered from the pelagic limestone of the area of Krzeszowice, NW of Kraków, Poland. The older assemblage represents the upper Tournaisian of Czatkowice Quarry and the younger one the upper Viséan of the Czerna stream valley at Czerna. The teeth of symmoriiform Falcataidae are the major component of both collections. A comparison of the taxonomic composition of the assemblage from Czerna (with the falcataids and *Thrinacodus* as the major components) to the previously published materials from the Holy Cross Mountains (Poland), Muhua (southern China), and Grand Canyon (Northern Arizona, USA) revealed the closest similarity to the first of these, probably deposited in a deeper water environment, relatively far from submarine carbonate platforms. A short review of Mississippian falcataids shows that the late Viséan–Serpukhovian period was the time of the greatest diversity of this group.

Key words: Chondrichthyes, Falcataidae, teeth, Carboniferous, Tournaisian, Viséan, Poland, Kraków Upland.

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