

## Tabulate corals from the Givetian and Frasnian of the Holy Cross Mountains and Silesian Upland

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Tabulate corals and single species each of the heliolitid and thozoans and chaetetid sclerosponges mostly from the Givetian and Frasnian stromatoporoid-coral series of the Holy Cross Mts and the Silesia-Cracow Region are reviewed from an ecological and stratigraphical point of view. *Thamnopora*, or the branched pachyportids, and massive alveolitids are usually the most significant reef-builders. The most distinctive fauna, with *Caliapora battersbyi* and *Heliolites porosus*, thrived in the earlier Givetian bank habitats. Late Givetian biostromal-complex associations with *Alveolites obtortus*, *Striatopora enigmatica*, and especially *Alveolitella fecunda*, as well as the succeeding Frasnian *Alveolites*-dominated reef-complex faunas with *A. maillieuxi*, and later with *A. tenuissimus*, *Aulocystis* and syringoporids, are far more uniform. In addition, a local *Coenites laminosa*-*Chaetetes yunnanensis* fauna is recognized in the Middle Givetian of the Kostomłoty area. The transitional biogeographic position for Polish tabulate assemblages between Variscan Europe and Russia is clearly evident. Forty eight species have been identified. *Pachyfavosites polonicus* sp. n., *Striatopora enigmatica* sp. n., *Alveolitella polygona* sp. n., *Armalites minimus* sp. n., and *Syringoporella raritabulata* sp. n., *Alveolites edwardsi frasnianus* subsp. n., and *Caliapora battersbyi minor* subsp. n. are proposed.

**Key words:** tabulates, Devonian, Poland, taxonomy, stratigraphical distribution.

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