

## Pachyphyllinae from the Middle Devonian of the Holy Cross Mts.

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*Protomacgeea dobruchnensis* n. gen. & n. sp. is described, being the most ancient representative of the subfamily of Pachyphyllinae recorded in Poland from the Middle Couvinian beds of Grzegorzowice and Wydryszów. New species

*Thamnophyllum skalense* and subspecies *Thamnophyllum trigemme pajchela* have been described from the Givetian besides the already known species *Th. caespitosum* (Goldfuss) and *Th. trigemme* (Quenstedt). The writer has referred to *Macgeea bathycalyx bathycalyx* (Frech) all the representatives of the genus *Macgeea* from the Givetian of Skąły, establishing, however, the following new subspecies: *M. bathycalyx kasimiri*, *M. bathycalyx josephi*, *M. bathycalyx regularis*, *M. bathycalyx longiseptata*, as well as one new mutation *M. bathycalyx amabilis*. These subspecies and the mentioned mutation are considered congeneric on their common ontogeny and essentially similar morphology. A new species of colonial form, displaying horse-shoe dissepiments and symmetrical fans in trabeculae, has been recorded from the Middle Givetian coral reef and described under the name of *Pachyphyllum sobolewi*.

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