ACTA PALAEONTOLOGICA POLONICA

Pennular and non-pennular Jurassic scleractinians - some examples

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Acta Palaeontologica Polonica 27 (1-4), 1982: 157-193

Four Malmian corals of different microstructures have been described: *Thamnasteria concinna, Dimorpha straea* sp., *Actinaraeopsis exilis* and *Isastraea* cf. *bernensis*. Aragonite coral tissue being preserved, histological observations have been initiated. Taxonomical value of microstructure and histology, as decisive for suprageneric division, is confirmed. In four discussed species, trabeculae are of a branched morphology and non-sclerodermitic structure. Each species represents a different variety of trabecular histology. A restricted significance of synapticulae for taxonomical purposes is confirmed. Are described vertical adtrabecular bars, a new skeletal element in *Th. concinna*.

Key words: Scleractinia, morphology, microstructure , histology of skeletal, tissue, taxonomy, Oxfordian, Poland.

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