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On microstructures of columnaIs of some Paleozoic crinoids

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Scanning electron microscope was used to study columnals of crinoids of *Pisocrinus* (?) *costatus* (Shevchenko), *Schyschcatocrinus* sp., *Cyclocaudiculus gracilis* Gluchowski, *Rhysocamax cristata* Moore et Jeffords and *Platycrinites* minorGluchowski from Silurian, Devonian and Carboniferous deposits of Poland. The presence of microstructures, Interpreted as stereom α and stereom β have been confirmed and the occurrence of what is known as "large" microstructures on the lateral surface of the columnals of *Schyschcatocrinus* sp. have been stated. Three types within the "large" microstructures have been distinguished, the first of them marked by a close spacing of round, oval or elongated pores, the second with round, less closely spaced pores and the third - having irregular, labyrinthic furrows and depressions.

Key words: crinoids, microstructures, Paleozoic.

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