

An atypical Silurian myodocope ostracod from the Armorican Massif, France

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A new myodocope ostracod *Sineruga insolita* gen. et sp. nov. is herein described from the Armorican Massif (France). *Sineruga* resembles Silurian myodocopes (i.e., bolbozoids and cypridinids) in having anterior features (thinner carapace) possibly related to vision. On the other hand, it resembles entomozoid ostracods in having a bean-shaped outline along with a deep adductorial sulcus and a simple muscle spot, but lacks their characteristic ribbed ornament. The data available suggest that *Sineruga insolita* was probably an atypical, non-ribbed member of the entomozoids thus indicating that early entomozoids may have had smooth representatives. Comparisons with other Recent and fossils ostracods show that the presence of a rostrum and/or symmetrical vision related carapace features (i.e., indicating lateral eyes) can be used as diagnostic characters for myodocope ostracods. The position and shape of the dorsal connection and to a lesser extent that of the sulcus and the adductorial muscle scar can be used to discriminate the higher groups of Silurian myodocopes (bolbozoids, cypridinids, and entomozoids).

Key words: Arthropoda, Crustacea, Ostracoda, Myodocopa, Entomozoidae, taxonomy, Silurian, France.

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