

Relationships of the Devonian *Strobilepis* and related Pennsylvanian problematica

Richard D. Hoare and Royal H. Mapes

Acta Palaeontologica Polonica 40 (2), 1995: 111-128

Reinterpretation of the North American *Strobilepis spinigera* Clarke 1888 from the Devonian and the find of *Diadeloplax paragrapsisma* gen. et sp. n. from the Pennsylvanian provide the basis for the recognition of a new class of uncertain affinity, Multiplacophora. The range of the class is Middle Devonian (Erian) to Pennsylvanian (Morrowan). Multiplacophora differ from the order Hercolepadida and the classes Thambetolepida and Polyplacophora in the number, shape, and arrangement of plates; the presence of large spines; and the complexity of internal canal systems in the plates and spines.

Key words: Multiplacophora, Devonian, Pennsylvanian, problematica.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.