

Relationships of the Devonian *Strobilepis* and related Pennsylvanian problematica

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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 Herculepadida 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.

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