ACTA PALAEONTOLOGICA POLONICA

Revision of latest Givetian-Frasnian Atrypida (Brachiopoda) from central North America

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Acta Palaeontologica Polonica 43 (2), 1998: 155-204

The brachiopod fauna of the Middle-Late Devonian cratonic carbonate platform deposits of the Iowa Basin, central North America, contains twenty species of the order Atrypida, some of which are types for widespread genera common in Middle and Late Devonian faunas. The latest Givetian-early Frasnian deposits yield a diverse fauna consisting of ten species (two new) included in *Desquamatia* (*Independatrypa*), *D.* (*Seratrypa*), *Pseudoatrypa*, *Radiatrypa*, *Spinatrypa* (*Spinatrypa*) and *Spinatrypina* (*Exatrypa*). Many of these forms occur in, or are closely similar to species known from, coeval faunas of central and western Canada. Middle Frasnian deposits of northern Iowa contain two species included in *Spinatrypa* (*S.*) and *Pseudoatrypa*, both of which are new. Late Frasnian strata of the Iowa Basin yield eight species included in *Costatrypa* , *Iowatrypa*, *Pseudoatrypa*, and *Spinatrypa* (*Spinatrypa*), some of which are widespread in other subtropical and tropical faunas of the western US and western Canada. The taxa *Pseudoatrypa witzkei* sp. n., *Spinatrypa* (*S.*) *bunkeri* sp. n., *Spinatrypa* (*S.*) *thompsoni* sp. n., and *Spinatrypina* (*Exatrypa*) *johnsoni* sp. n. are proposed. *Pseudoatrypa*? sp. from the very late Frasnian of southern New Mexico is also illustrated.

Key words: Brachiopoda, Atrypida, taxonomy, Givetian, Frasnian, Devonian, North America.

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