

A new aviculopectinid bivalve from the Early Carboniferous of Guizhou, China

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Six silicified left valves including one nearly complete were obtained from acid residues of two samples collected from the Early Carboniferous Muhua Formation in Guizhou Province, China. The Chinese specimens have reticulate ornament and a large asymmetrical aviculopectinid-type resilifer and are much like *Girtypecten* from Permian rocks in the United States. However, the Chinese material shows only unicostate radial ornament, whereas *Girtypecten* is multicostate. Thus, a new taxon *Girtypecten* (*Sinopecten*) *newelli* subgen. et sp. nov. is proposed. The conodont assemblage occurring with *G. (Sinopecten) newelli* dates the new scallop as Tournaisian (the conodont Lower *Siphonodella crenulata* Zone); this is the oldest known occurrence of *Girtypecten*.

Key words: Bivalvia, Aviculopectinidae, *Girtypecten*, *Sinopecten*, Carboniferous, China.

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