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Stratigraphical ranges of tegulated inoceramid bivalves in the type area of the Maastrichtian Stage (Belgium, the Netherlands)

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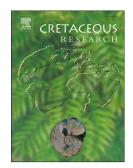
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ACCEPTED MANUSCRIPT

Stratigraphical ranges of tegulated inoceramid bivalves in the type area of

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the Maastrichtian Stage (Belgium, the Netherlands) 2 John W.M. Jagt^{a,*}, Elena A. Jagt-Yazykova^b 3 ^a Natuurhistorisch Museum Maastricht, De Bosquetplein 6-7, 6211 KJ Maastricht, the Netherlands 4 5 ^b Uniwersytet Opolski, Katedra Biosystematyki, Pracownia Paleobiologii, ul. Oleska 22, 45-052 6 **Opole**, **Poland** 7 8 * Corresponding author. 9 E-mail address: john.jagt@maastricht.nl (J.W.M. Jagt). 10 11 ABSTRACT 12 Recently collected material, in fine- to medium-grained biocalcarenites and in coeval flint 13 nodules, of the tegulated inoceramid taxa Spyridoceramus tegulatus (von Hagenow, 1842) 14 and Tenuipteria argentea (Conrad, 1858) from various members of the Gulpen Formation and 15 the overlying Maastricht Formation allows their stratigraphical ranges to be refined. It is 16 17 concluded that the ranges correspond closely to those in east-central Poland (Vistula [Wisła] River valley region), where S. tegulatus occurs in the lower Maastrichtian and lower upper 18 Maastrichtian (Endocostea typica, Trochoceramus radiosus and 'Inoceramus' ianjonaensis 19 20 inoceramid zones, or Belemnella occidentalis and Belemnitella junior cephalopod zones). In contrast, Tenuipteria argentea appears to be confined to the overlying zone of Belemnella 21 (Neobelemnella) kazimiroviensis (Skołozdrówna, 1932) and Belemnella (N.) skolozdrownae 22 (Kongiel, 1962) and there is no overlap in the range of both species. In the type area of the 23

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