

## MICROPALAEONTOLOGY NOTEBOOK

First occurrence of the genus *Zonocypris* (Ostracoda) in the Pleistocene of Western Europe (Portugal)M. C. CABRAL<sup>1</sup>, J.-P. COLIN<sup>2</sup> & P. CARBONEL<sup>3</sup><sup>1</sup>Departamento and Centro de Geologia da FCUL, Campo Grande, Bloco C6, 4º, 1749-016 Lisbon, Portugal.<sup>2</sup>3 Impasse des Biroulayres 33610 Cestas, France.<sup>3</sup>Département de Géologie et Océanographie, Université Bordeaux 1, Talence, France.

The Recent distribution of the freshwater ostracod genus *Zonocypris* G. W. Müller, 1898 (type-species *Zonocypris madagascariensis* Müller, 1898) is restricted to Africa, Madagascar and, occasionally, the eastern Mediterranean (Turkey: *Zonocypris inconspicua* Schafer, 1952; *Zonocypris costata* (Vávra, 1897); and pers. comm. K. Martens and O. Külköylüoğlu).

In the Miocene, this genus has been reported from Morocco (*Zonocypris maghrebensis* Helmdach, 1988) and in the Plio-Pleistocene, from India (*Zonocypris costata*, in Bhatia & Khosla, 1967; Singh, 1977), Bulgaria (*Zonocypris membranae membranae* Livalent, in Suzin 1956, and *Zonocypris membranae quadricella* Stancheva, in Stancheva, 1966), Turkey (*Zonocypris membranae*, in Tunoglu, 2001), Greece (*Paracyprretta?* sp. Mostafawi, 1988, *Zonocypris* sp. 6 Mostafawi, 1994b and *Zonocypris rippeae* Mostafawi, 1994a) and Russia (*Zonocypris membranae*, in Suzin, 1956; Mandelstam & Schneider, 1963). Species attributed to *Zonocypris* by Nazik & Gökçen (1992) from the Lower Miocene of Turkey most likely do not belong to the genus *Zonocypris* but to *Virgatocypris* Malz & Moayedpour, 1973.

Recent field work in Algarve, southern Portugal (Cabral *et al.*, 2003), allowed the presence of the genus *Zonocypris* to be recorded, represented by a species closely related to the Recent species *Zonocypris costata* (Vávra, 1897) in a Pleistocene lacustrine ostracod assemblage at Boliqueime.

Thus, the recognition of *Zonocypris* cf. *costata* (Pl. 1) in the Pleistocene of southern Portugal is the first documented occurrence of this genus in post-Cretaceous deposits of Western Europe.

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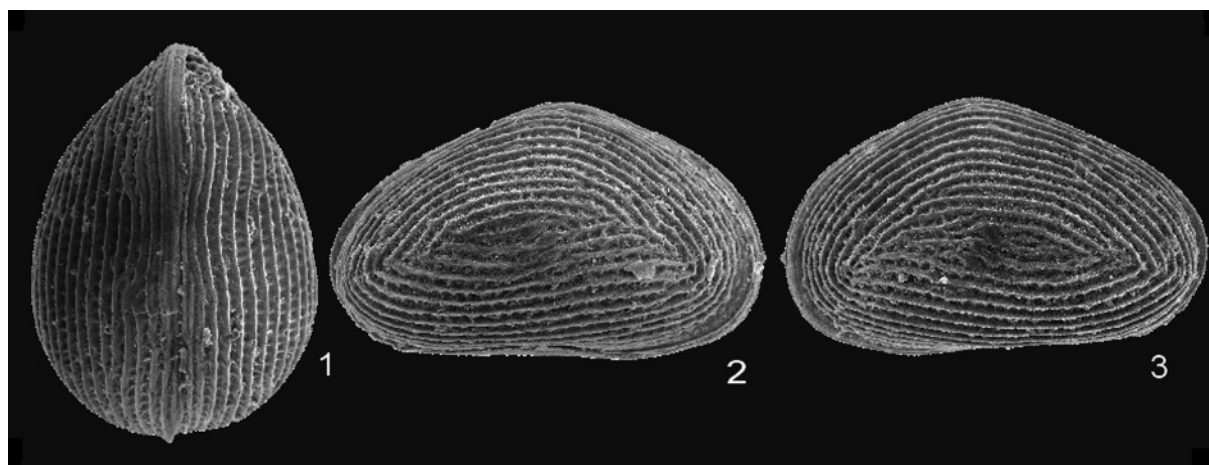
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Explanation of Plate 1. figs 1–3. *Zonocypris* cf. *costata* (Vávra, 1897): 1, carapace, dorsal view; 2, carapace, right view; 3, carapace, left view (length 0.50 mm).

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