



New species of Neritidae (Neritimorpha) from the Ypresian and Bartonian of the Paris and Basse-Loire Basins, France

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Abstract

Five gastropod taxa of the family Neritidae in the Ypresian and Bartonian (Eocene) of the Paris and Basse-Loire Basins, are introduced: *Cuisenerita* **gen. nov.**, *Tomostoma angusta* **sp. nov.**, *Nerita gouetensis* **sp. nov.**, *Clithon barbei* **sp. nov.**, *Neritodryas guillioui* **sp. nov.** and *Cuisenerita tuberosa* **sp. nov.** New combinations introduced are: *Neritodryas dutemplei* (Deshayes, 1864) and *Neritodryas globosa* (J. de C. Sowerby, 1823). This is the earliest record of *Neritodryas* and the first record for this genus from Europe.

Key words: Mollusca, Gastropoda, Eocene, France

Introduction

Both the Paris and Basse-Loire Basins in France are species rich in Mollusca from the Eocene. Many gastropods have been described and figured by authors in the past but new taxa are still being discovered (see Le Renard 1995 and Le Renard & Pacaud 1995 for a comprehensive list of primary references). Taxonomic observations regarding Neritidae from France were made by the senior author and a neotype designated for the taxon *Neritopsis parisiensis* Deshayes, 1864 (Symonds 2009). The purpose of this paper is to describe five new species in the family Neritidae, the type material of which is held in the Muséum National d'Histoire Naturelle, Paris, France (MNHN) and The Natural History Museum, London, England (NHM).

Systematic palaeontology

Family Neritidae Rafinesque, 1815

Genus *Tomostoma* Deshayes, 1824

Type species. By subsequent designation, Fischer (1885: 803): *Pileolus neritoides*, Deshayes, 1824. Eocene, Europe.

Diagnosis. Capuliform, smooth, apex not terminal, aperture trapezoidal, inner lip with sinus, type species 7 to 9 mm in length. (Amended after Keen 1960).

Tomostoma differs from most other genera in Neritidae in being capuliform. For the differences from the other Tertiary capuliform genus see *Cuisenerita* gen. nov. below.

Remarks. Cossmann (1925) and Keen (1960) regarded *Tomostoma* as a subgenus of *Pileolus* G. B. Sowerby, 1823. Bandel *et al.* (2000) erected a new family Pileolidae based on the genus *Pileolus* but did not comment on whether they regarded *Tomostoma* as a subgenus of *Pileolus*. They placed Pileolidae within Neritoidea Rafinesque, 1815 for which they gave the diagnosis: “In these cycloneritimorphs the internal shell