



新建迭部蛤(新名) (*Tewomorpha*) 替代晚出名 *Tewoella* Ding and Li, 1987 (非 *Tewoella* Sun, 1979)*

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摘要 在Treatise双壳纲卷修订版的编撰过程中, Joseph Carter教授发现丁保良、李金华为甘肃迭部下泥盆统海相双壳类建立的属名*Tewoella* Ding and Li, 1987已被蜓类化石属名*Tewoella* Sun, 1979占用, 来函要求为之另立新名。经本人核实, 孙秀芳(1979, p. 165)为甘肃迭部上二叠统石关群的蜓类化石所创建的属名迭部蜓(*Tewoella* Sun, 1979; 模式种: *Tewoella longa* Sun, 1979), 完全符合“国际动物命名法规”有关属级分类群命名的各项要求, 故在此提出一个新的属名*Tewomorpha* nom. nov., 用以替代*Tewoella* Sun, 1979的次同义名*Tewoella* Ding and Li, 1987, 仍使用丁保良、李金华(1987)指定的模式种, 中文译名则无须更改。

关键词 迭部蛤 新名 双壳纲

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Abstract In 1987, a new genus name *Tewoella* Ding and Li, 1987 was proposed for some Lower Devonian marine bivalves from Tewo, Gansu Province, northwestern China. However, as early as 1979, Sun Xiu-fang had established the identical genus name *Tewoella* Sun, 1979 (type species: *Tewoella longa* Sun, 1979) for the fusulinoidean fossils from the Late Permian Shiguan Group also in Tewo, Gansu Province, northwestern China. According to Article 60.3 of ICZN, a new genus name, *Tewomorpha* nom. nov. is here proposed to replace *Tewoella* Ding and Li, 1987 based on the same type species, *Tewoella xiawunaensis* Ding and Li, 1987.

Key words *Tewoella*, new name, Bivalvia

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In the process of compiling the revised *Bivalvia* Treatise, Professor Joseph Carter discovered that the genus name *Tewoella* Ding and Li, 1987 for some Lower Devonian marine bivalves of Tewo, Gansu Province, northwestern China has been occupied by the fusulinoidean genus name *Tewoella* Sun, 1979. He wrote to let me know that a new name for *Tewoella* Ding and Li, 1987 is needed. The genus name *Tewoella* Sun, 1979 for the fusulinoidean fossils from the Late Permian Shiguan Group in Tewo, Gansu Province, northwestern China, with *Tewoella longa* Sun, 1979 (p. 166, pl. II, figs. 1–4) as the type species, fully meets the requirements of the International Code of Zoological Nomenclature (Ride *et al.*, 1999) for naming a genus-level taxon. Zhou and Zhang (2001) placed this genus in the family Palaeofusulininae.

The Lower Devonian bivalve genus *Tewoella* established by Ding and Li (1987, p. 179) was originally placed in the family Praecardiidae, with the type species *Tewoella xiawunaensis* Ding and Li, 1987 [p. 179, pl. 125, figs. 1–8, 9-a–9-c (holotype)]. The type stratum and locality are the bottom part of the Dangduogou Formation at Dangduogou and Xiawunagou, Tewo, Gansu Province, northwestern China (see also Fang *et al.*, 2009, p. 15, Fig. 4-28–4-30). Chen Zhu-zhen and Fang in Fang *et al.* (2009, p. 15) suggested that *Tewoella* is a junior synonym of the Silurian genus *Butovicella*, because of its similarity to growth stages II and III of *Butovicella galemmu* Kříž (in Kriz and Serpagli, 1993, p. 342, pl. 2, figs. 5–7). However, mature *Tewoella* has weakly inflated, subcircular to elliptical shells with subcentral and prosogyrate umbos and an edentulous hinge, whereas mature *Butovicella* has elongate shells with anterior umbos and pseudotaxodont teeth in its juvenile stage (Carter, MS, “Family Butovicellidae Kříž, 1965” for the revised *Bivalvia* Treatise). Thus, it may be better

to restore *Tewoella* as an independent genus, but its placement in the Butovicellinae still requires more information on its ligament and other internal features.

As required by Article 60.3 of ICZN (International Code of Zoological Nomenclature, fourth edition; Ride *et al.*, 1999), I hereby propose replacing *Tewoella* Ding and Li, 1987 by the new name *Tewomorpha*, based on the same type species, *Tewoella xiawunaensis* Ding and Li, 1987. The new name is also derived from Tewo where the type specimens were collected, but with a different suffix -morpha, instead of -ella, for the new name.

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