Wecomodon Jarrett & Bousfield, 1982, a replacement name for the amphipod genus Psammonyx Bousfield, 1973 (Crustacea, Amphipoda, Tryphosidae), preoccupied by Psammonyx Döderlein, 1892 (Foraminifera, Astrorhizida, Ammovolommidae)

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Abstract
Wecomodon Jarrett & Bousfield, 1982 is reintroduced as a replacement name for Psammonyx Bousfield, 1973 (Crustacea: Amphipoda: Tryphosidae) which is a junior homonym of Psammonyx Döderlein, 1892 (Foraminifera: Astrorhizida: Ammovolommidae).

Keywords
Psammonyx, Wecomodon, Amphipoda, Foraminifera, homonym

Introduction
Psammonyx Bousfield, 1973 was established as a new genus of lysianassid amphipod (now in the family Tryphosidae) with its type species, Anonyx nobilis Stimpson, 1853. It was recently discovered to be a junior homonym of Psammonyx Döderlein, 1892, a genus of ammovolummid foraminiferan (Foraminifera: Astrorhizida: Ammovolommidae). Psammonyx Döderlein, 1892 is a valid name in current use and contains the type species Psammonyx vulcanicus Döderlein, 1892 along with two further fossil species; Psammonyx campbelli Browne & Schott, 1963 and Psammonyx maxwelli Ireland, 1939 (Hayward et al. 2018).
Systematics

Wecomedon Jarrett & Bousfield, 1982, re-established


non Psammonyx Döderlein, 1892: 146 (Foraminifera: Astrorhizida: Ammovolummidae); type species: Psammonyx vulcanicus Döderlein, 1892, original designation by Döderlein 1892.


Type species. Hippomedon wecomus J.L. Barnard, 1971, original designation by Jarrett and Bousfield (1982).

Remarks. Psammonyx Bousfield, 1973 currently contains eleven species (Horton et al. 2018). The genus was established by Bousfield in 1973, for the single species Psammonyx nobilis (Stimpson, 1853), designated as the type of the genus (as Anonyx nobilis Stimpson, 1853). A second species (P. terranovae Steele, 1979) was added by Steele in 1979, and in 1982, Jarrett and Bousfield described a third species (Psammonyx longimerus Jarrett & Bousfield, 1982) and transferred the fourth species Psammonyx kurilicus (Gurjanova, 1962) from the genus Hippomedon.

In 2005, Budnikova added two further species (Psammonyx kudrjaschovi Budnikova, 2005 and Psammonyx tzvetkovae Budnikova, 2005) and placed the genus Wecomedon Jarrett & Bousfield, 1982 in synonymy with Psammonyx, transferring the five species it contained to Psammonyx (P. boreopacificus (Gurjanova, 1962); P. minusculus (Gurjanova, 1938) P. similis (Jarrett & Bousfield, 1982); P. wecomus (J.L. Barnard, 1971); and P. wirketis (Gurjanova, 1962)).

According to ICZN article 60.2 the oldest available and potentially valid synonym of the rejected junior homonym becomes the valid name of the taxon (see ICZN Article 23.3.5), and takes its own authorship and date. Therefore, the replacement name for Psammonyx Bousfield, 1973 is Wecomedon Jarrett & Bousfield, 1982, with Hippomedon wecomus J.L. Barnard, 1971 as the type species of the genus.

Wecomedon is now comprised of the following eleven species:

Wecomedon boreopacificus (Gurjanova, 1962), comb. n. Original name Hippomedon boreopacificus;
Wecomedon kudrjaschovi (Budnikova, 2005), comb. n. Original name Psammonyx kudrjaschovi;
Wecomedon kurilicus (Gurjanova, 1962), comb. n. Original name Hippomedon kurilicus;
Wecomedon Jarrett & Bousfield, 1982, a replacement name for the amphipod genus...

Wecomedon longimerus (Jarrett & Bousfield, 1982), comb. n. Original name Psammonyx longimerus;
Wecomedon minusculus (Gurjanova, 1938), comb. n. Original name Paratryphosites minusculus;
Wecomedon nobilis (Stimpson, 1853), comb. n. Original name Anonyx nobilis;
Wecomedon similis Jarrett & Bousfield, 1982, comb. n. Original name Wecomedon similis;
Wecomedon terranovae (Steele, 1979), comb. n. Original name Psammonyx terranovae;
Wecomedon tzvetkovae (Budnikova, 2005), comb. n. Original name Psammonyx tzvetkovae;
Wecomedon wecomus (J.L. Barnard, 1971), comb. n. Original name Hippomedon wecomus;
Wecomedon wirketis (Gurjanova, 1962), comb. n. Original name Hippomedon wirketis.

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References


Stimpson W (1853) Synopsis of the marine Invertebrata of Grand Manan: or the region about the mouth of the Bay of Fundy, New Brunswick. Smithsonian Contributions to Knowledge 6: 1–66. [pls 1–3]