

## On some Silverfish Taxa from Tasmania (Zygentoma: Lepismatidae and Nicoletiidae)

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**ABSTRACT.** The silverfish fauna of Tasmania is reviewed. Seven species are now recorded, including the introduced anthropophilic *Ctenolepisma longicaudata* Escherich. Within the Ctenolepismatinae *Hemitelsella clarksonorum* n.gen., n.sp. and *Acrotelsella parlevar* n.sp. are described. The Heterolepismatinae are represented by an unconfirmed record of *Heterolepisma kraepelini* Silvestri and *Heterolepisma buntonorum* n.sp. is described. The inquiline Atelurinae are represented by *Australiatelura tasmanica* Silvestri, which is redescribed, and a further sympatric species, *Australiatelura eugenanae* n.sp., is described.

**KEYWORDS.** Thysanura, taxonomy, new species, new genus, new combination, redescription, *Australiatelura*, *Hemitelsella*, *Heterolepisma*, *Acrotelsella*

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The Tasmanian silverfish fauna is poorly known. Womersley (1939) reported *Heterolepisma kraepelini* Silvestri, 1908 (originally described from Western Australia) at Trevallyn and commented that *Ctenolepisma longicaudata* Escherich, 1905 is “very common in houses and libraries everywhere in Australia”. Silvestri (1949) described *Atopatelura tasmanica* from material collected by Lea with the ants *Camponotus (Colobopsis) gasseri* Forel, 1894 and *Camponotus nigriceps* Smith, 1858. Mendes (1995) transferred *At. tasmanica* to a new genus *Australiatelura* which he erected to include the Tasmanian species as well as the three species described from Western Australia by Silvestri in 1908.

This paper will redescribe *Au. tasmanica* (Silvestri) using the type material along with specimens collected in and around the type locality (Hobart) while also referring to specimens collected along the Tasmanian east coast.

An additional sympatric species of *Australiatelura* is also described, along with three new species of Lepismatidae. One belongs to the genus *Heterolepisma* Silvestri, 1935 (Heterolepismatinae) which appears to be quite common under the bark of trees and in dry leaf litter in the south-east. Two new species of Ctenolepismatinae are described; each only known from a single specimen, collected together in a single pitfall trap south of Launceston. One belongs to the genus *Acrotelsella* Escherich, 1905 not previously found so far south and the second placed in a new genus described in this paper. The nearest relative of this latter species was only recently described from Barrow Island (Smith, 2015) and was then placed within *Acrotelsella* with some reservation. The finding of a second species reinforces the need for a new genus to be erected. Two additional records of the cosmopolitan anthropophilic species *Ctenolepisma longicaudata* Escherich, 1905 are listed.