



Taxonomic and nomenclatural notes on the centipede genera *Chomatobius*, *Ityphilus*, *Hapleurytion*, *Plateurytion*, and *Steneurytion* (Chilopoda: Geophilomorpha)

LUCIO BONATO¹, LUIS A. PEREIRA² & ALESSANDRO MINELLI³

¹Dipartimento di Biologia, Università degli Studi di Padova, Via Ugo Bassi 58b, I-35131 Padova, Italy; lucio.bonato@unipd.it

²Facultad de Ciencias Naturales y Museo, Universidad Nacional de La Plata, Paseo del Bosque s.n., AR-1900 La Plata, Argentina; lpereira@museo.fcnym.unlp.edu.ar

³Dipartimento di Biologia, Università degli Studi di Padova, Via Ugo Bassi 58b, I-35131 Padova, Italy; alessandro.minelli@unipd.it

Abstract

Based on critical analysis of published information, we revise and discuss the taxonomic circumscription, diagnosis and nomenclature of the chilopod genera *Chomatobius* Humbert & Saussure, 1870, *Ityphilus* Cook, 1899, *Hapleurytion* Verhoeff, 1940, *Plateurytion* Attems, 1909 and *Steneurytion* Attems, 1909. *Hapleurytion* and *Plateurytion* are raised to the genus rank for the first time, and *Plateurytion* is recognised as the replacement name for *Eurytion* Attems, 1903, which is a junior homonym of *Eurytion* Jaennicke, 1867 (Diptera). The following synonymies are new: *Chilerium* Chamberlin, 1955 = *Plateurytion* Attems, 1909; *Pachymeroides* Chamberlin, 1920 = *Zelanion* Chamberlin, 1920 = *Steneurytion* Attems, 1909; *Geophilus schauinslandi* Attems, 1903 = *Geophilus antipodum* Pocock, 1891, following fixation of a lectotype for the former in this paper. The following generic combinations are new: *Chomatobius auximus* (Chamberlin, 1938), *C. bakeri* (Chamberlin, 1912), *C. euphorion* (Crabill, 1953), *C. minor* (Chamberlin, 1912) and *C. minor arizonicus* (Chamberlin, 1925), all from *Gosiphilus* Chamberlin, 1912; *Ityphilus boteltobogensis* (Wang, 1955), *I. microcephalus* (Brölemann, 1909) and *I. tenuicollis* (Takakuwa, 1934), all from *Thalthybius* Attems, 1901; *Hapleurytion aporopus* (Attems, 1922), from *Eurytion* Attems, 1903; *Plateurytion badiceps* (Attems, 1909), *P. brevis* (Verhoeff, 1937), *P. dentatus* (Attems, 1909), *P. dolichocephalus* (Attems, 1928), *P. gracillimus* (Verhoeff, 1937), *P. heurtaultae* (Pereira, 2006), *P. kalaharinus* (Attems, 1909), *P. kalaharinus elongatus* (Verhoeff, 1937), *P. lethifer* (Crabill, 1968), *P. mumbwae* (Dobroruka, 1969), *P. paucipes* (Lawrence, 1955), *P. quadridentatus* (Lawrence, 1955), *P. sabulosus* (Attems, 1909), *P. transvaalicus* (Lawrence, 1966), *P. trichopus* (Attems, 1928) and *P. yungarum* (Pereira, 2005), all from *Eurytion* Attems, 1903; *P. dudichii* (Verhoeff, 1940), from *Schizotaenia* Cook, 1896; *P. gracilis* (Gervais, 1849), *P. metopias* (Attems, 1903), *P. michaelsoni* (Attems, 1903) and *P. tenebrosus* (Meinert, 1886), all from *Geophilus* Leach, 1814; *P. mundus* (Chamberlin, 1955) and *P. zapallar* (Chamberlin, 1955), both from *Chilerium* Chamberlin, 1955; *Steneurytion antipodum* (Pocock, 1891), from *Geophilus* Leach, 1814; *S. dux* (Chamberlin, 1920) and *S. hawaiiensis* (Chamberlin, 1953), both from *Zelanion* Chamberlin, 1920; *S. incisunguis* (Attems, 1911) and *Steneurytion mjoebergi* (Verhoeff, 1925), both from *Eurytion* Attems, 1903.

Key words: Chilopoda, *Chomatobius*, *Eurytion*, Geophilomorpha, *Hapleurytion*, *Ityphilus*, nomenclature, *Plateurytion*, *Steneurytion*, taxonomy

Introduction

A complete taxonomic database on world centipedes (Chilopoda), including synonymies, bibliographic references and summary data on geographical distribution, has been recently made publicly available through the web (Minelli 2006). Compilation and critical evaluation of literature information for this work has disclosed some taxonomic and nomenclatural problems that are being dealt with by the contributors of that database in a