On some Linyphiidae of China, mainly from Taibai Shan, Qinling Mountains, Shaanxi Province (Arachnida: Araneae)

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Abstract

The collection of Prof. J. Martens and, in part, of Dr P. Jäger, mainly from Taibai Shan, Qinling Mountains, Shaanxi Province, China, contains 36 identifiable species of Linyphiidae. Among these, the following nine new species belong to known genera: Agyneta martensi sp. n., Arcuphantes chinensis sp. n., Indophantes ramosus sp. n., Mughiphantes beishanensis sp. n., M. jaegeri sp. n., M. martensi sp. n., Nippononeta sinica sp. n., Asthenargus conicus sp. n., and Dicymbium sinofaci tum sp. n. Each of the remaining five new species warrants the erection of a new genus: Houshenzinus gen. n. (type species: Houshenzinus rimosus sp. n.), Shaanxinus gen. n. (type species: Shaanxinus rufipes sp. n.), Shanus gen. n. (type species: Shanus taibaiensis sp. n.), Taibainus gen. n. (type species: Taibainus shanensis sp. n.) and Taibaishanus gen. n. (type species: Taibaishanus elegans sp. n.). The following new synonym and combinations are proposed (valid names on the right): Gnathonarium cambridgei Schenkel 1963 = Gnathonarium taczanowskii (O. Pickard-Cambridge 1873) syn. n., Araeocnus stigmosus Xia, Zhang, Gao, Fei, Rui & Kim 2001 = Tibioploides stigmosus (Xia, Zhang, Gao, Fei, Rui & Kim 2001) comb. n., Walckenaeria anguilliformis Xia, Zhang, Gao, Fei, Rui & Kim 2001 = Shaanxinus anguilliformis (Xia, Zhang, Gao, Fei, Rui & Kim, 2001) comb. n., and Lepthyphan tes huangyuanensis Zhu & Li 1983 = Tchakalophantes huangyuanensis (Zhu & Li 1983) comb. n. The female of Tibioploides stigmosus comb. n. is described for the first time.

Key words: Spiders, taxonomy, new genera, new species

Introduction

At present the Linyphiidae fauna of China comprises 108 species of the subfamily Erigoninae, 90 species of Micronetinae, 74 species of Linyphiinae and 3 species of Stemonyphantinae (Tanasevitch 2006). So a total of about 275 species of Linyphiidae have hitherto been recorded in China. There is no doubt that this figure represents but a small