Revision of the Siobla annulicornis, acutiscutella and sheni groups
(Hymenoptera: Tenthredinidae)

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Abstract
The taxonomic history of the genus Siobla Cameron, 1877 is outlined, and the genus is redescribed. Nine species groups are recognized. Keys for separation of the species groups and the species of the annulicornis group and acutiscutella group are provided. Siobla annulicornis sp. nov., S. leucocincta sp. nov., S. weni sp. nov. and S. acutiserrula sp. nov., all from China, are described. The previously described species, Siobla acutiscutella Wei & Nie, 1999, S. zhangi Wei, 2005 and S. sheni Wei, 2002 are illustrated. Siobla nanlingia Wei, 2005 is a new synonym of S. zhangi Wei, 2005.

Key words: Hymenoptera, Tenthredininae, Siobla, species groups, new species, China

Introduction

Siobla has most commonly been placed in the subfamily Tenthredininae (Malaise, 1945; Takeuchi, 1952; Zombori, 1982; Wei & Nie, 1998b; Abe & Smith, 1991, Goulet, 1996, Saini, 2007). Some researchers proposed a tribe, Sioblini, only for Siobla or with some other genera (Takeuchi, 1952; Benson, 1959; Zombori, 1982; Wei & Nie, 1998a). Lacourt (1996) proposed a subfamily Sioblini only for the genus. The relationships between Siobla and other genera of Sioblini and of Tenthredininae are not resolved at present. Further phylogenetic analyses of the Tenthredininae are necessary to clarify the systematic position of Siobla.

Cameron (1877) described the genus Siobla, together with a new species; S. mooreana, from Yunan (Yunnan), China. He also included Tenthredo incerta Cameron, 1876 (now placed in Nepala Muche, 1986) and Tenthredo sturmii Klug, 1817 in Siobla. Thirteen years later, Konow (1890) erected Encarsioneura for T. sturmii. Dalla Torre (1894) treated Encarsioneura as a junior synonym of Siobla. Ashmead (1898) designated S. mooreana as the type species of Siobla. Konow (1905) treated Siobla as a junior synonym of Taxonus Hartig, 1837 and persisted in maintaining Encarsioneura as a good genus. Schrottky (1913) described three species of Siobla from South America, but they belong in the Selandriinae (Abrahamovich et al. 2010). Dovnar-Zapolskij (1930) described a new species and proposed a new genus, Megasiobla. Malaise (1934) synonymized Megasiobla with Siobla. Since then, there has been no further controversy about the generic status and content of Siobla.

Here, we separate the known species of Siobla into nine groups, and provide keys to groups for identifying the adults. The genus is redescribed and three small groups are revised: the annulicornis, acutiscutella and sheni groups.