



A review of the Oriental and Australasian *Ptilocera* species (Diptera: Stratiomyidae)

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Abstract

The species of *Ptilocera* Wiedemann, 1820 are re-examined on the basis of extensive historical as well as recent material from several institutions and a critical evaluation of published records. Ten species are distinguished and three of them, *P. aureopilosa* sp. nov., *P. kerteszi* sp. nov. and *P. simplex* sp. nov. are described as new. *Ptilocera fastuosa* Gerstaecker, 1857, is considered to be a synonym of *P. continua* Walker, 1851, and *P. smaragdifer* Walker, 1859 is interpreted as a synonym of *P. smaragdina* Walker, 1849. Lectotypes are designated for *P. amethystina* Snellen van Vollenhoven, 1857, *P. fastuosa*, *P. quadridentata* (Fabricius, 1805) and *P. smaragdifer*. Seven species (*P. amethystina*, *P. continua*, *P. kerteszi* sp. nov., *P. paradisea* Lindner, 1951, *P. quadridentata*, *P. simplex* sp. nov. and *P. smaragdina*) are mainly confined to the Oriental Region and three to the Australasian Region (*P. aureopilosa* sp. nov., *P. bergi* James, 1948, and *P. violacea* Edwards, 1915). *Ptilocera quadridentata* was introduced to Japan and Fiji, and *P. smaragdina* to New Britain. *P. bergi* is newly recorded from Australia, *P. amethystina*, *P. continua* and *P. quadridentata* from Cambodia, Laos and Vietnam, the first two species also from Myanmar, *P. amethystina* also from Malaysia and Thailand, and *P. continua* also from Nepal and Singapore. Diagnostic characters including terminalia of both sexes are illustrated for all species examined and an identification key is compiled.

Key words: Revision, new species, lectotypes, variation, distribution, introduction