



A new subfamily, genus, and species of Cephidae (Hymenoptera) from Australia

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Abstract

Australcephinae, **n. subf.**, is described from Queensland, Australia, based on *Australcephus storeyi*, **n. gen.**, **n. sp.** This is the only cephid known from Australia and one of the few from the Southern Hemisphere. A key is given for the three recognized subfamilies of Cephidae.

Key words: Cephidae, Australcephinae, *Australcephus*, stem sawfly

Introduction

Cephidae are primarily Holarctic with very few representatives in the tropics or the Southern Hemisphere. Two species in one genus, the only representatives of the subfamily Athetocephinae, occur in Madagascar (Benson 1935, 1946). The Holarctic *Hartigia* Schiødte extends south to Mexico (Chiapas) (Smith 1988) and Guatemala (previously unrecorded) in the Western Hemisphere. In the Indoaustralian Region, only two species are known, *Janus ecarinatus* Smith from Kalimantan, Indonesia (Smith 1994, 1997), and *Sulawesius grandoculus* Smith and Shinohara from Sulawesi, Indonesia (Smith and Shinohara 2002). Goulet (1992) reported that Cephidae occur in Australia but made no further comments. Here we describe a new genus and species from Australia so unique among cephids that we believe a separate subfamily is warranted.

Materials and methods

Acronyms refer to the following institutions: AEIC, American Entomological Institute, Gainesville, FL, USA; USNM, National Museum of Natural History, Smithsonian Institution, Washington, DC, USA; QDPI, Queensland Department of Primary Industries & Fisheries, Brisbane, Australia; ZSM, Zoologische Staatssammlung, Munich, Germany.

The microphotographs were obtained using a digital camera (ProgRes[®] C10plus, Jenoptic Laser.Optik.Systeme GmbH) and processed using the AutoMontage[®] system, version 4.03 (Synoptics Ltd). The digital images were enhanced using Adobe Photoshop[®]. Terminology generally follows Huber and Sharkey (1993).

Systematics

Australcephinae Smith and Schmidt, new subfamily

Type genus: *Australcephus*, **n. gen.**