



A new Australian species of *Chasmia* Enderlein (Diptera: Tabanidae: Diachlorini), a genus newly recorded from Australia

GREG DANIELS

University Insect Collection, School of Biological Sciences, The University of Queensland, Brisbane, Qld, 4072 Australia.

E-mail: gregory.daniels@uq.edu.au

Abstract

A new species of horse fly, *Chasmia queenslandensis* sp. n., the first representative of the genus from Australia, is described from Cape York Peninsula, Queensland. A key to the Australian diachlorine genera is presented.

Key words: Tabanidae, Diachlorini, *Chasmia*, taxonomy, march fly

Introduction

During the 1992 Royal Geographical Society of Queensland Cape York Peninsula Expedition, a series of a very distinctive muscoid-like species of tabanid was taken from malaise traps at two sites on Heathlands Reserve. These specimens were subsequently determined as a new species of *Chasmia* Enderlein, a genus previously unrecorded from Australia.

Chasmia is known to occur throughout the Papuan subregion (18 species), where it is widely distributed from Waigeu Island in the west to the Louisiade Islands and Bouganville Island in the east (Daniels, 1989). The genus is also present in New Caledonia (7 species, variously placed in *Chasmia*, *Chasmiella* Enderlein and *Cydistomyia* Taylor) (Burger, 1995; Mackerras and Rageau, 1958; Trojan, 1991). A new species of *Chasmia* is described and figured herein, with a key to genera of Australian Diachlorini.

Chasmia Enderlein 1922

Chasmia can be distinguished from *Cydistomyia* by the combination of the following characters: a well defined ocellar tubercle which lacks ocelli in both sexes; relatively long, slender antennal scape, slender proboscis with small labellum, relatively long cell R_4 and strong resemblance to small muscoid flies.

Chasmia queenslandensis sp. n.

(Figs 1–11)

Diagnosis. A small, compact, orange-yellow species with abdominal segments 4–6 brownish black, yellow legs and hyaline wings.

Type material. Queensland. **Holotype** ♀, Bamaga-Capt. Billy Ck Rd jct, 16 km NE of Heathlands H.S., 160 m, 11°41'S, 142°42'E, 17.iii.1992, G. Daniels and M.A. Schneider, (Queensland Museum). **Paratypes:** 2 ♀♀, same data as holotype except 13.iii.1992; 3 ♀♀, same data as holotype; 1 ♂, 2 ♀♀, Gunshot Ck, 13 km NW of Heathlands H.S., 80 m, 11°43'S, 142°28'E, 21.iii.1992, G. Daniels and M.A. Schneider; 2 ♂♂, same data as previous specimens except mv lamp; 3 ♀♀, same data as previous except 21.iii.1992 and not mv lamp; paratypes in Queensland Museum and Australian Museum.