

Signal Flies of the Genus *Bama* (Diptera: Platystomatidae) in Papua New Guinea

DAVID K. MCALPINE

Entomology Department, Australian Museum, 6 College Street, Sydney NSW 2010, Australia

ABSTRACT. The genus *Bama* McAlpine, 2001, is known only from the mainland of Papua New Guinea. The main diagnostic characters for the genus are listed, and a key is given to the 16 available species, several of which are known only from one sex. *Xiria strigata* Hennig, 1940, is treated as a new junior synonym of *Bama papuanum* (Hennig, 1940). The following new species are described: *Bama aurantium*, *B. bickeli*, *B. brevitarse*, *B. divergens*, *B. flavifrons*, *B. flexifer*, *B. grande*, *B. gressitti*, *B. ismayi*, *B. martini*, *B. monstrans*, *B. robertsi*, *B. signifer*.

MCALPINE, DAVID K. 2015. Signal flies of the genus *Bama* (Diptera: Platystomatidae) in Papua New Guinea. *Records of the Australian Museum* 67(2): 25–53.

The small amount of available material of *Bama* has limited the coverage and accuracy of this taxonomic treatment. Probably many more species occur on mainland New Guinea (including Indonesian West New Guinea) than are here recognised, and significant taxonomic characters of male genitalia are known for only eight of the sixteen species, though other important specific characters are used.

Morphological terminology follows that used in my previous studies of Platystomatidae (McAlpine, 1973; 2001) except that I have modified some terms for parts of the aedeagus (see below).

The following abbreviations refer to institutions holding specimens.

AM	Australian Museum, Sydney
ANIC	Australian National Insect Collection, Canberra
BMNH	The Natural History Museum, London
BPB	Bernice P. Bishop Museum, Honolulu
FRIL	Forest Research Institute, Lae, Papua New Guinea
MNHN	Muséum national d'Histoire naturelle, Paris
NSMT	National Science Museum, Tokyo
SDEI	Senckenberg Deutsches Entomologisches Institut, Müncheberg
WM	Natural History Museum, Vienna

The following collectors' names are abbreviated to the initials: L. E. Cheesman, J. L. Gressitt, M. Gressitt, P. Hornabrook, J. W. Ismay, R. Kano, L. Loria, R. Pullen, H. Roberts, T. Schellen, R. Schlechter, J. Sedláček, M. Sedláček, P. Shanahan, F. R. Wylie.

Systematics

Genus *Bama* McAlpine

Bama McAlpine, 2001: 165–166. Type species (original designation) *Xiria papuana* Hennig.

Relationships and identification. Hendel (1914a,b) recognized a subtribe Cleitamiina to include the New Guinea genera *Loriomyia* Kertész, *Cleitamia* Macquart, and *Laglaisia* Bigot, which he separated from some other platystomatine taxa in his key (1914b: 8) by having the crossveins (anterior and discal) strongly approximated, tergite 5 of male abdomen with some long posterior-marginal bristles, and the squama (or lower calypter) small. The genus *Loriomyia* (j. syn. *Agnostophana* Hering) must now be excluded as belonging in the family Tephritidae (Korneyev, 2001), although convergent in some