



## ***Leptogenopapus mirabilis*, a new genus and species of Lomechusini (Coleoptera: Staphylinidae, Aleocharinae) from Papua New Guinea associated with ants of the genus *Leptogenys* Roger**

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### **Abstract**

*Leptogenopapus mirabilis*, **gen. n.**, **sp. n.** is described based on the single male collected from foraging colony of *Leptogenys breviceps* Viehmeyer in Papua New Guinea. The genus is a member of the tribe Lomechusini (Coleoptera: Staphylinidae, Aleocharinae) and is most closely related to *Leptogenoxenus* Kistner. The list of all Staphylinidae associated with the ant genus *Leptogenys* Roger is given.

**Key words:** Staphylinidae, Aleocharinae, Lomechusini, *Leptogenopapus*, new genus, new species, Papua New Guinea, myrmecophile, *Leptogenys*

### **Introduction**

Association of some staphylinid beetles with ants of the genus *Leptogenys* Roger were first summarised by Kistner (1975), who also described two monotypic genera, *Leptogenoxenus* Kistner, 1975 and *Leptogenophilus* Kistner, 1975. According to Kistner (1975), three genera of staphylinids (*Wroughtonilla* Wasmann, 1899, *Leptogenoxenus* and *Leptogenophilus*), had been recorded as associated with nomadic *Leptogenys*, all from the Oriental region. Two species recorded by Wasmann (1899) as guests of *Leptogenys* in South Africa, *Derema fauveli* (Wasmann, 1899) and *Zyras lobopeltinus* (Wasmann, 1899), were regarded as very doubtful by Kistner (1975), and are excluded from the checklist in this paper. Since 1975, three additional genera (*Neowroughtonilla* Kistner, 1989, *Maschwitzia* Kistner, 1989 and *Togpelenys* Kistner, 1989) and five species have been described (Kistner 1989, 2003; Dvořák 1996; Maruyama 2004). All are catalogued in our checklist.

The purpose of this paper is to describe a new genus and species collected by the second author in Papua New Guinea in association with ants of the genus *Leptogenys* and provide a summary of our knowledge of association of staphylinids with these ants.

### ***Leptogenopapus* Hlaváč & Janda, gen. n.**

(Figs. 1–15)

**Type species.** *Leptogenopapus mirabilis* Hlaváč & Janda, **sp. n.** Gender masculine.

**Diagnosis.** *Leptogenopapus* is a member of the tribe Lomechusini where it can be readily distinguished by long, sharply pointed, triangular metaventral process (Fig. 5) and by presence of two very long, thin and sharp claws which are about as long as terminal tarsomere or slightly shorter. In general appearance