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**Description of a second species of *Dyscritobaeus* from Sulawesi,  
Indonesia  
(Hymenoptera, Platygastroidea, Scelionidae)**

**James P. O'CONNOR & Patrick ASHE**

**Abstract**

A new species of Scelionidae (Hymenoptera) belonging to the *comitans*-group of *Dyscritobaeus* PERKINS 1910 is described from Sulawesi, Indonesia: *Dyscritobaeus cerosus* nov.sp. A key to the known species of the group is given.

**Zusammenfassung**

Eine neue Art der Scelionidae (Hymenoptera) aus der *comitans*-Gruppe von *Dyscritobaeus* PERKINS 1910 wird aus Sulawesi, Indonesien beschrieben: *Dyscritobaeus cerosus* nov.sp. Ein Schlüssel zu den bekannten Arten der Gruppe wird gegeben.

**Introduction**

MINEO et al. (2009) described a new species of *Dyscritobaeus* PERKINS 1910 from Sulawesi, Indonesia, from insect specimens collected on the island by Patrick Ashe.

Another new species has now been discovered amongst this material. Unlike *D. sulawensis* MINEO, O'CONNOR & ASHE 2009 which belonged to the *D. orientalis* group, the new species is a member of the *D. comitans*-group as defined by MINEO et al. (2010) except that the lateral ocelli are nearer the hyperoccipital area. However, the *D. comitans*-group may be distinguished from the *D. orientalis*-group by the lack of a praeoccipital area. To-date, three other species are known to belong to the *D. comitans*-group viz. *D. comitans* PERKINS 1910, *D. bolivar* MINEO, O'CONNOR & ASHE 2010 and *D. minoculo* MINEO, O'CONNOR & ASHE 2010. *D. comitans* was described from Hawaii, *D. bolivar* from Venezuela and *D. minoculo* from Australia.

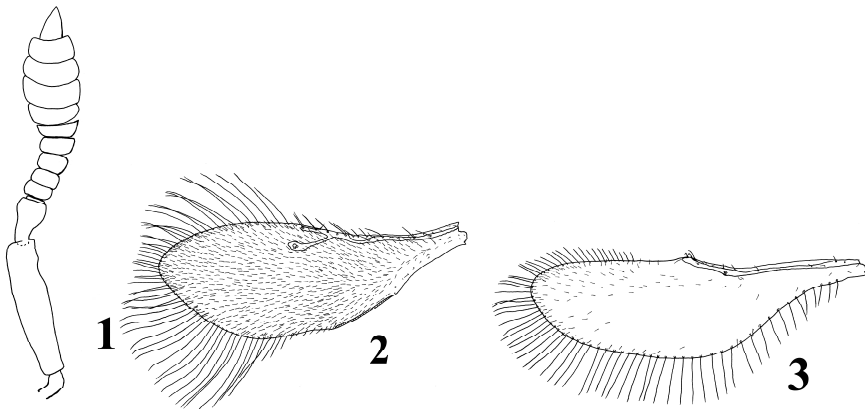
All measurements were made at 40 x 20 using a Wild M20 Stereo-microscope. An antenna was drawn at 40 x 20 using a Wild M20 Stereo-microscope with a drawing tube. A forewing and a hindwing were removed from the card-mounted holotype and slide-mounted in Faure's medium. The drawings of the wings were made from this slide using a Nixon compound microscope with drawing tube.

**T e r m i n o l o g y** . Standard abbreviations used are A1-A7, A12 = antennal segments 1-7, 12; T1, T2 = tergites 1, 2.

### ***Dyscritobaeus cerosus* nov.sp. (figs 1-3)**

**M a t e r i a l e x a m i n e d** . Holotype ♀: Indonesia, Sulawesi, forest side of the River Toraut, N0°34', E123°54', 15-18.ix.1985, Malaise trap, Patrick Ashe leg. (National Museum of Ireland).

**D i a g n o s i s** . Female. *Dyscritobaeus cerosus* nov.sp. may be distinguished from the three described species of the *D. comitans*-group by the presence of a specillum on T2. This structure is absent in the other species.



**Figs 1-3:** *Dyscritobaeus cerosus* nov.sp.: (1) Antenna; (2) Forewing; (3) Hindwing.

**D e s c r i p t i o n** . Body length 0.6 mm. The body has a waxy appearance. The legs, scape and A1-A7 are a dirty yellow. By contrast, the remaining antennomeres, head and thorax are dark orange while the metasoma is dark yellow. The clava is spindle shaped, incrassate and 6-segmented with a small conical A12 (Fig. 1). The wings are of an

unusual shape (Figs 2-3). The scrobe is well marked by its smooth surface but is not very wide. The central keel is absent. The compound eyes are small and greyish; eye height = 7 x 5 width; the lateral ocelli also little more than one diameter distant from the hyperoccipital carina; the sculpture of the frons external to the scrobe, like that of the intercellular space, is indistinct being represented by an irregular short segment of wrinkles delimiting minute and irregular punctuation; the sculpture of both the mesoscutum and scutellum is very similar to that of the frons but the punctuation appears more regular. The dorsellum is represented by a very minute spine. T1 is densely striated throughout while the striae on T2 are less dense and convergent to the specillum. The male, host and biology are unknown.

**E t y m o l o g y .** From the Latin Cerosus = full of wax, referring to the waxy appearance of the species.

**Key to the known males and females of the *comitans*-group  
of *Dyscritobaeus* PERKINS 1910**

- 1 Praeoccipital area present..... *D. armatus*- and *D. orientalis*-groups
- Praeoccipital area absent.....*D. comitans*-group 2
- 2 T2 with a specillum..... ♀ *Dyscritobaeus cerosus* nov.sp.
- T2 without a specillum..... 3
- 3 Micropterous ..... 4
- Macropterous ..... 5
- 4 Compound eye of normal size. Eye height = 12 x 7 width .....  
..... ♀ *Dyscritobaeus bolivar* MINEO, O'CONNOR & ASHE
- Compound eye small. Eye height = 4.5 x 4 width.....  
..... ♂ ♀ *Dyscritobaeus minoculo* MINEO, O'CONNOR & ASHE
- 5 Postmarginal vein of forewing distinctly longer than the stigmal vein .....  
..... ♂ *Dyscritobaeus bolivar* MINEO, O'CONNOR & ASHE
- Postmarginal vein of forewing approximately the same length as the stigmal vein.....  
..... ♂ *Dyscritobaeus comitans* PERKINS

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