

Until intermediate forms come to light, I think it expedient to keep the two genera distinct upon this basis. They may be contrasted as follows:—

- a. Sterna triangularly contracted between the crural acetabula, so that the coxæ of the legs are in contact; furnished with a forwardly directed cariniform tubercle BRACHYCYBE.
- b. Sterna not contracted between the crural acetabula, so that the coxæ of the legs on the right and left side are separated; not furnished with a cariniform tubercle PLATYDESMUS.

No species of *Brachycybe* have as yet been obtained from Central America. The probability of the existence of the genus in Mexico, however, is forcibly suggested by the record of *B. lecontei* from Georgia, Tennessee, and Arkansas, and of two others, *B. rosea*, Murray, and *B. californica*, Karsch, which may or may not prove identical with it, from California. The only representative of this group known to me, which appears to belong to *Brachycybe*, is a specimen from Corfu, identified by Verhoeff as *Platydesmus typhlus*, Daday. It is possible that all the Mediterranean species belong to *Brachycybe* and not to *Platydesmus*; but if the gnathochilarium is constructed as in *Dolistenus*, this can hardly be the case.

Synopsis of the Species*.

- a. Head without eyes [first tergal plate as under *b*¹] *guatemalensis*, Bröl.
- b. Head with a pair of eyes.
 - a¹. Anterior border of first tergal plate produced on each side into a forwardly projecting shelf more or less covering the head, and separated from its fellow of the opposite side by a longitudinal cleft or an acutely triangular narrow notch.
 - a². Colour black, the keels yellowish.
 - a³. First tergal plate completely covering the head, the edges of the laminæ forming a straight transverse line . . . *moreleti*, Luc.
 - b³. First tergal plate not completely covering the head, the anterior edges of the two laminæ diverging obliquely outwards, not forming a straight line *mesomelas*, sp. n.
- b². Colour brown, marbled with yellow bands and spots.
 - a⁴. In median dorsal line a pale stripe, which expands at intervals into four triangular patches; laminæ of first tergite much smaller, separated by a triangular notch in the middle line *marmoreus*, sp. n.
 - b⁴. Median dorsal line dark with a pale interrupted band on each side of it, formed of square or oblong patches; laminæ of first tergite large, separated in middle line by a narrow slit *perpictus*, sp. n.

* Excluding *P. polydesnoides*, Lucas.