

**THREE NEW SPECIES OF HECALAPONA
(HOMOPTERA: CICADELLIDAE) FROM PANAMA**

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ABSTRACT

Three new species, *Hecalapona bulba* n. sp., *H. lyrata* n. sp., and *H. bulla* n. sp., are described.

The genus *Hecalapona* was described by DeLong and Freytag (1975). *Gypona vittulata* Stål was placed in the genus and 38 species were described as new and placed in *Hecalapona*. Three new species recently collected in Panama are described at this time. All types are in the DeLong Collection.

Hecalapona bulla n. sp.

(Figs. 1-5)

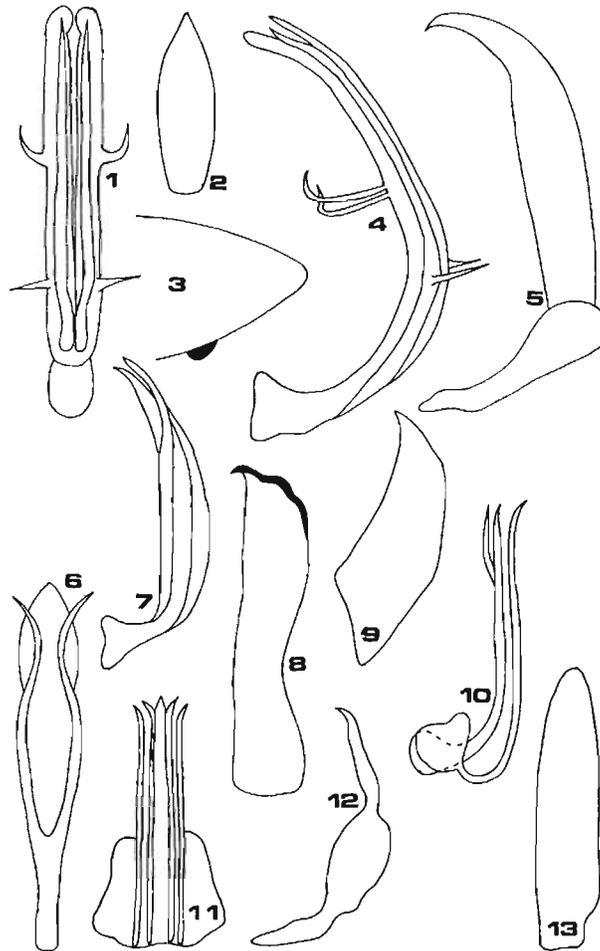
Length of male 10 mm, female unknown. Crown broadly rounded, disc depressed, about three fourths as long at middle as width between eyes at base. Ocelli one-third distance from base, as close to each other as either is to proximal eye. Color, crown pale brown, ocelli red, margin of crown with a black line; pronotum and scutellum pale brown, forewings pale brown subhyaline.

Male genitalia with plates short, not quite three times as long as broad, apices pointed. Style with blade narrowed on apical fourth which is curved dorsally and pointed. Aedeagal shaft rather broad, divided at apex, bearing two portions with rounded contiguous apices; a pair of long slender processes with pointed apices arises near base extending along ventral surface almost to apex. A pair of stout spines arises on ventral surface at one-third length of shaft and a pair of longer, slender processes, curved upward apically, arises on dorsal surface at half the length of shaft. Pygofer bluntly pointed apically with a sclerotized rounded protrusion on ventral margin one-third distance from apex. Holotype male Barro Colorado C. Z. 12-12-74, H. Wolda Coll. Paratype male same data except XI-26-74.

Hecalapona lyrata n. sp.

(Figs. 6-9)

Length of male 9.5 mm, female 10 mm. Crown broadly rounded, more than half as long at middle as width between eyes at base; disc depressed. Ocelli at two-thirds length of crown, proximal, closer to each other than either is to proximal eye. Color, crown pale brown,



FIGS. 1-5. *Hecalapona bulla* n. sp. 1. Aedeagus ventrally. 2. Plate ventrally (greatly reduced). 3. Pygofer tip laterally. 4. Aedeagus laterally. 5. Style laterally. FIGS. 6-9. *H. lyrata* n. sp. 6. Aedeagus ventrally. 7. Aedeagus laterally. 8. Style laterally. 9. Plate ventrally. FIGS. 10-13. *H. bulba* n. sp. 10. Aedeagus laterally. 11. Aedeagus ventrally. 12. Style laterally. 13. Plate ventrally.

margin with a thin black border, ocelli red. Pronotum and scutellum pale brown. Forewings pale brown subhyaline.

Male genitalia with plates two and one-half times as long as wide, apices narrowed and pointed. Style with blade about five times as long as broad, apex gently sloping, almost truncate, apical margin heavily

sclerotized, bearing a pointed tooth, sloping dorsally, on dorsoapical margin. Aedeagal shaft broadened on apical half (ventral view) apex bluntly pointed. A pair of long slender processes arises near base, extending to apex on ventral surface, curving outwardly and pointed at apices. Pygofer with apex narrowed and blunt.

Female genitalia with lateral margin curved to form a truncate posterior margin. The median third of margin concavely excavated one-third distance to base.

Holotype male Barro Colorado C. Z. 11-26-1974, H. Wolda Coll. Allotype female Las Cumbres, Panama 9-14-74, H. Wolda Coll.

Hecalapona bulba n. sp.

(Figs. 10-13)

Length of male 6 mm, female unknown. Crown slightly longer than width between eyes at base. Ocelli closer anterior than posterior margins of crown, closer proximal eye than median line. Color, crown pale brown, ocelli red. Pronotum and scutellum pale brown, basal angles of scutellum each with a black spot. Forewings pale brown, subhyaline, clavus with two black spots, one at end of each claval vein and a spot on each cross vein of the corium.

Male genitalia with plates almost four times as long as median width, apices narrowed and rounded. Style with blade broadened on basal half, abruptly narrowed at middle, producing a narrow apical half, apex pointed. Aedeagal shaft elongate, straight, apex bluntly pointed, a process extending from base at each side of shaft. A pair of long slender processes arise at base and extend parallel to shaft, one on each side. Pygofer with a bluntly rounded apex.

Holotype male Barro Colorado C. Z. 11-1-1974, H. Wolda Coll.

LITERATURE CITED

- DeLong, Dwight M., and Paul H. Freytag. 1975. Studies of the Gyponinae: A new genus, *Hecalapona*, and thirty-eight new species. *J. Kans. Entomol. Soc.* 48:547-579.
- Stål, C. 1854. Nya Hemiptera. *Ofr. Svanska. Vet. Akad. Forh.* 11:231-255.