

**STUDIES OF THE GYPONINAE  
(HOMOPTERA:CICADELLIDAE) FOUR NEW  
SPECIES OF GYPONA FROM PANAMA<sup>1</sup>**

DWIGHT M. DELONG AND ALICE B. KOLBE

The Ohio State University, Columbus, Ohio

**ABSTRACT**

Four new species of *Gypona* from Panama are described as *G. woldai* n. sp.; *G. nepa* n. sp. both placed in the subgenus *Gypona* and *G. gelbana* n. sp. and *G. blantoni* n. sp. placed in the subgenus *Marganalana*.

A revisional study of the species of *Gypona* by DeLong and Freytag was published (1964) in which some 140 species were treated and placed in four subgenera. Fourteen additional species were described by DeLong and Martinson (1972). Study of recently collected material by Henk Wolda and specimens previously collected by F. S. Blanton and August Busck has revealed four undescribed species which are described in the following pages. *Gypona woldai* and *G. nepa* are placed in the subgenus *Gypona*; *G. gelbana* and *G. blantoni* are placed in the subgenus *Marganalana*.

*Gypona woldai* n. sp.

(Figs. 1-5)

Length of male 7 mm. Crown flat, foliaceous, about two thirds as long at middle as basal width between eyes. Color sordid green; veins of forewings green.

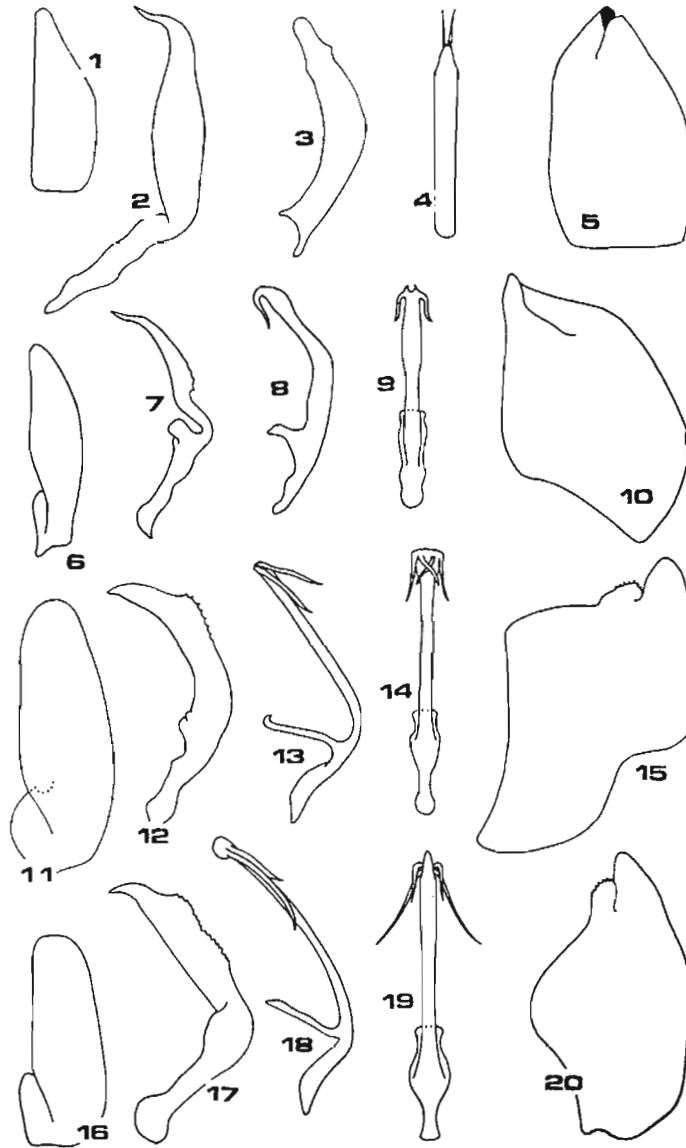
Male genitalia with plates three times as long as median width, apices narrow, rounded. Style narrowed on apical third then tapering to a sharp pointed dorsally curved apex. Aedeagus appearing slender, in ventral view, with two slender proximal apical processes; in lateral view the shaft appears broad and rounded at apex. Pygofer with a finger-like process protruding slightly beyond apex of pygofer on the dorsoapical margin.

Holotype male Las Cumbres Panama, July 1973 (H. Wolda). Paratype male same data as holotype. Both types in the DeLong Collection.

We take pleasure in naming this species for Dr. Wolda, population biologist with the Smithsonian Institute.

---

<sup>1</sup> This work was sponsored by The Ohio State University Development Fund.  
Received for publication May 1, 1974.



FIGS. 1-5. *Gypona woldai* n. sp. 1. plate ventrally; 2. style laterally; 3. aedeagus laterally; 4. aedeagus ventrally; 5. pygofer laterally. Figs. 6-10. *Gypona nepa* n. sp. 6. plate ventrally; 7. style laterally; 8. aedeagus laterally; 9. aedeagus ventrally; 10. pygofer laterally. Figs. 11-15. *Gypona gelbana* n. sp. 11. plate ventrally; 12. style

*Gypona nepa* n. sp.

(Figs. 6-10)

Length of male 9 mm. Crown produced, broadly rounded, three fifths as long at middle as width at base between eyes. Color, entire dorsal surface and forewings green tinted with yellow.

Male genitalia with plates narrow, elongate, three times as long as median width, apices narrow, blunt. Style with blade serrate on ventral margin near base gradually narrowed to a slender pointed apex which is bent dorsally. Aedeagus with apex narrowed and bent basad on dorsal margin (lateral view). In ventral view aedeagus appears to have two short apical lateral processes extending basad. Pygofer with apex bluntly pointed.

Holotype male Volcan, 8 mi N of Panama 6-XII-1952 (F. S. Blanton) in the U.S. National Museum Collection.

This species is related to *G. exacuta* and can be separated from it by the male genital structures as illustrated.

*Gypona gelbana* n. sp.

(Figs. 11-15)

Length of male 9 mm. Crown broadly rounded half as long at middle as basal width between eyes. Color dark golden yellow. Forewings with reddish golden color on claval and adjacent area extending to a diagonal smoky band just before apical cross veins.

Male genitalia two and one half times as long as median width, apices rounded. Style rather broad, blade sickle shaped; broadened and serrate on ventral margin at two thirds length of blade, apex bending dorsally and pointed. Aedeagal shaft slender with four short terminal processes, two arising laterally extending basad and two somewhat shorter processes arising on dorsal margin and extending basad. Pygofer with a caudoventral blunt protruding process which is serrate.

Holotype male Las Cumbres, Panama, July 1973 (H. Wolda). Paratypes 1 ♂ same data as holotype, 1 ♀ Las Cruces, Panama, Canal Zone II-10-1911 (August Busck Coll.). Holotype and ♂ paratype in the DeLong Collection, ♀ paratype in the U.S. National Museum.

*Gypona blantoni* n. sp.

(Figs. 16-20)

Length of male 10 mm. Crown flat with thin margin, length at middle half the width at base between eyes. Color sordid green,

←

laterally; 13. aedeagus laterally; 14. aedeagus ventrally; 15. pygofer laterally. Figs. 16-20. *Gypona blantoni* n. sp. 16. plate ventrally; 17. style laterally; 18. aedeagus laterally; 19. aedeagus ventrally; 20. pygofer laterally.

scutellum tinged with yellow. Forewings with a black spot at apex of clavus and apical portion smoky. A few brown spots on apex of clavus and apical area.

Male genitalia with plates short and broad, more than twice as long as broad, apices rounded. Style with blade broadened at three fourths its length, then concavely excavated on inner margin and curved dorsally forming a sharply pointed tip which extends dorsally. Aedeagus slender, bearing two pairs of antepical processes, the outer pair one third length of shaft, the inner pair one fifth length of shaft. Pygofer bearing a serrate finger-like process on dorsocaudal margin, each side, not extending to apical margin of pygofer.

Holotype male Las Cumbres, Panama, July 1973. Paratypes: 1 ♂ male same data as holotype. 1 ♂ Panama, Mojinga Swamp, C.Z. 19-XI-1951 (F. S. Blanton). Holotype and paratype in the DeLong Collection. Paratype in the U. S. National Museum.

We take pleasure in naming this species for Mr. Blanton who has collected many interesting leafhoppers from Panama.

#### LITERATURE CITED

- DeLong, Dwight M. and Paul H. Freytag. 1964. Four Genera of World Gyponinae: A Synopsis of the Genera *Gypona*, *Gyponana*, *Rugosana* and *Reticana*. Ohio Biological Survey Bull. II (3) 227 p.
- DeLong, Dwight M. and Candace Martinson. Studies of the Gyponinae (Homoptera: Cicadellidae). Fourteen New Species of *Gypona* from Central and South America. Ohio Jour. Sci. 72:161-170, 1972.