

**STUDIES OF THE GYPONINAE: SIX NEW
SPECIES OF SOUTH AMERICAN GYPONA
(Homoptera: Cicadellidae)¹**

DWIGHT M. DELONG AND ALICE B. KOLBE
Department of Entomology, The Ohio State University

ABSTRACT

Six new species of South American *Gypona* are described. *Gypona denera* n. sp., from Colombia; *G. diverta* n. sp., from Peru; *G. summita* n. sp., from Bolivia; *G. antlerita* n. sp., from Peru; *G. sagitta* n. sp., from Peru; and *G. tela* n. sp., from Brazil. All are placed in the subgenus *Marganalana*.

A revisional study of the species of *Gypona* was published by DeLong and Freytag (1964) in which 140 species were treated and placed in four subgenera. A subsequent publication by DeLong and Martinson (1972) added another 14 species. Four new species occurring in Panama were described by DeLong and Kolbe (1974). Six new species, occurring in South America are described in this manuscript. All are placed in the subgenus *Marganalana*.

Gypona denera n. sp.
(Figs. 1-5)

Length of male 8.5 mm. Crown produced and broadly rounded, more than one-third wider at base between eyes than median length. Ocelli about equidistant between anterior and posterior margins of crown, and nearer proximal eye than median line. Color pale yellowish green, eyes and ocelli reddish.

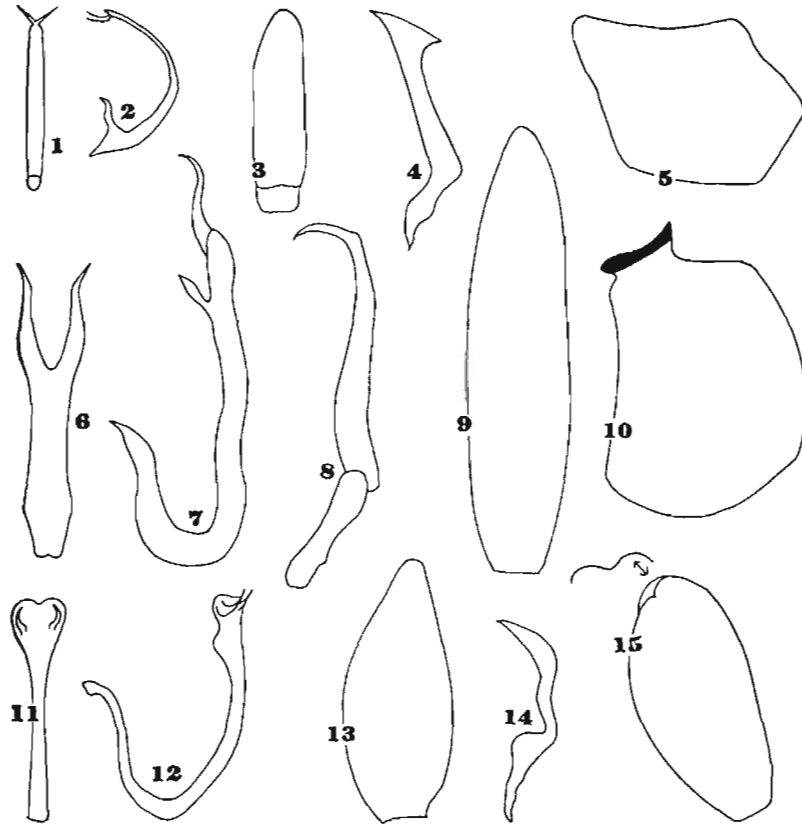
Male genitalia with plates narrow, elongate, four times as long as median width, apices rounded. Style with ventral margin curved ventrally at apex to form a sharp pointed tooth. The apical margin extends diagonally, apically to form a sharp pointed tooth on the dorso-apical margin. Aedeagal shaft slender with a pair of short slender processes arising subapically on ventral margin and extending apically. Pygofer with apex bluntly pointed.

Holotype male Colombia: 7 mi W. Alban, Cundinamarca 1610 m, III-14-56 (E. I. Schlinger and E. S. Ross, Colls) in the California Academy of Science Collection.

Gypona diverta n. sp.
(Figs. 6-10)

Length of male 11 mm. Crown broadly rounded about one-fourth wider at base between eyes than median length. Ocelli about equidis-

¹ This work was sponsored by The Ohio State University Development Fund.
Received for publication September 6, 1974.



FIGS. 1-5. *Gypona denera* n.sp. 1. aedeagus, ventrally. 2. aedeagus, laterally. 3. plate, ventrally. 4. style, laterally. 5. pygofer, laterally. FIGS. 6-10. *G. diverta* n.sp. 6. aedeagus, ventrally. 7. aedeagus laterally. 8. style, laterally. 9. plate, ventrally. 10. pygofer, laterally. FIGS. 11-15. *G. summita*. 11. aedeagus, ventrally. 12. aedeagus, laterally. 13. plate, ventrally. 14. style, laterally. 15. pygofer, laterally.

tant between anterior and posterior margins of crown and much closer to proximal eye than to median line. Color pale brown, posterior margin of pronotum bordered with dark brown.

Male genitalia with plates three and one-half times as long as median width; apices rounded. Style with blade narrowed on apical third bending dorsally for distance of one-fifth length of blade, tapering to narrow, pointed apex. Aedeagus with apical fourth more slender, bifid, the two apical portions diverging, apices tapered, sharp pointed. Pygofer with a heavily chitinized protruding portion on dorsoapical half of apex; apex truncate.

Holotype male Rio Santiago, Peru X-25-24, F-6163 (H. Bassler Coll). Acc. 33591, in the U. S. National Museum.

Gypona summita n.sp.

(Figs. 11-15)

Length of male 9 mm. Crown broadly rounded about one-fourth wider at base between eyes than median length. Ocelli about equidistant between anterior and posterior margins of crown and nearer proximal eye than median line. Color pale yellowish green, ocelli reddish.

Male genitalia with plates more than twice as long as median width, apices narrow, blunt, rounded. Style with blade broadened on apical half, the apex tapered to a sharp pointed tip. Aedeagal shaft narrowed basally, apical portion enlarged, bearing two short subapical spine like processes ventrally. Pygofer appearing folded on dorsal portion of apex.

Holotype male Prov. del Sara Bolivia (Steinbach) C. M. Acc. 5064 Dec. 1911 in Carnegie Museum.

Gypona antlerita n.sp.

(Figs. 16-19)

Length of male 10 mm. Crown broadly rounded, more than one-third wider at base between eyes than median length. Color yellow with a black spot on each forewing at the apex of clavus.

Male genitalia with plates more than three times as long as median width, apices blunt, rounded. Style elongate, curved, dorsal margin of apex protruding dorsally and sharp pointed. Aedeagal shaft protruding ventrally at apex, from the ventral portion of which arises on each side a tentacle-like structure which divides and redivides, the innermost portion extending to base of shaft. The first branch to arise near the base of the "tentacle" extends laterally, is short and bifid at tip. A second branch arises a little beyond the first and extends basad. The main portion which extends to base of shaft has a spur arising on inner margin at two thirds length of "tentacle."

Holotype male Sinehona, Peru (J. G. Sanders Coll). Paratypes 2♂s same data as holotype.

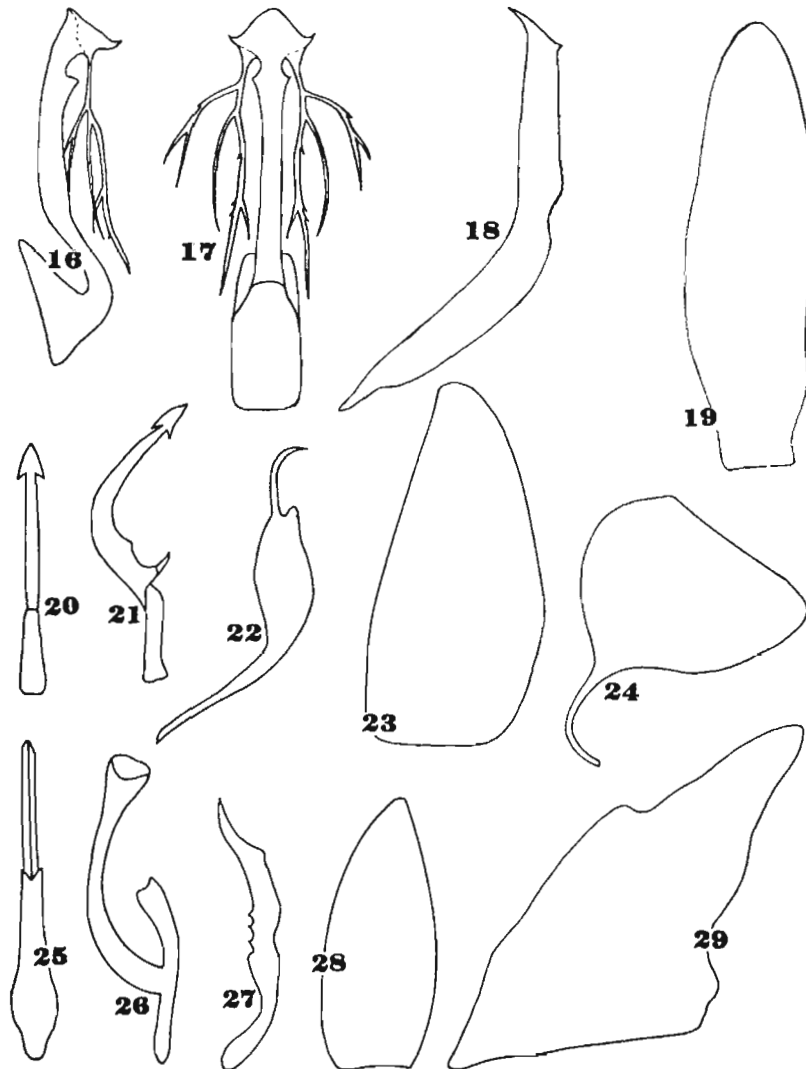
Holotype and paratype in the DeLong Collection.

Gypona sagitta n.sp.

(Figs. 20-24)

Length of male 10 mm. Crown produced and rounded one fifth wider at base between eyes than median length. Ocelli about equidistant between anterior and posterior margins of crown and about equidistant between median line and proximal eye. Color yellowish green, ocelli reddish.

Male genitalia with plates twice as long as median width, apices



FIGS. 16-19. *Gypona antlerita* n.sp. 16. aedeagus, laterally. 17. aedeagus, ventrally. 18. style, laterally. 19. plate, ventrally. FIGS. 20-24. *G. sagitta* n.sp. 20. aedeagus, ventrally. 21. aedeagus, laterally. 22. style, laterally. 23. plate, ventrally. 24. pygofer laterally. FIGS. 25-29. *G. tela* n.sp. 25. aedeagus, ventrally. 26. aedeagus, laterally. 27. style, laterally. 28. plate, ventrally. 29. pygofer, laterally.

narrow, rounded. Style rather broad at base, apical half with blade narrow, bluntly pointed. Aedeagus with narrow shaft, apex resembling head of arrow, pointed with two basal teeth. Pygofer bearing a long slender apical process half as long as pygofer segment curving dorsally.

Holotype male Callanga, Peru in the U. S. National Museum.

Gypona tela n.sp.

(Figs. 25-29)

Length of male 12 mm. Crown broadly rounded, one-third wider at base between eyes than median length. Ocelli nearer posterior than anterior margin of crown and much nearer median line than proximal eye. Color yellow tinted with green, forewings yellow, veins pale brown.

Male genitalia with plates more than twice as long as median width, apices narrow, rounded. Style with blade serrate near middle on dorsal margin. Apical third concavely excavated on ventral margin with a sharp-pointed apex. Aedeagal shaft rather narrow. Apical fourth gradually broadened to form a broad, blunt apex. Pygofer bluntly pointed apically.

Holotype male Landrina, Parana, Brazil XII-'34 (A. Maller Coll-Frank Johnson, donor) in the North Carolina State University Collection.

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 Biol. Survey Bull. 11(3). 227p.
- , and Candace Martinson. 1972. Studies of the Gyponinae (Homoptera: Cicadellidae). Fourteen New Species of *Gypona* from Central and South America. Ohio Jour. Sci. 72:161-170.
- , and Alice B. Kolbe. 1974. Studies of the Gyponinae (Homoptera: Cicadellidae). Four New Species of *Gypona* from Panama. Jour. Kans. Entomol. Soc. 47:523-526.