

*GYPONANA (ZERANA) SECUNDA*. A NEW SPECIES  
OF LEAFHOPPER FROM PANAMA AND GRAND CAYMAN  
ISLAND (HOMOPTERA: CICADELLIDAE)<sup>1,2</sup>

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ABSTRACT: A new species of leafhopper, *Gyponana (Zerana) secunda*, is described and illustrated, from Panama and Grand Cayman Island.

DESCRIPTORS: Homoptera: Cicadellidae; *Gyponana (Zerana) secunda*; Panama; Grand Cayman Island.

The subgenus *Zerana* was described for an unusual species of *Gyponana* known only from Peru, *G. (Z.) apicata* DeLong and Freytag (1964). A second species has now been found which extends the distribution of this subgenus to Central America and the Grand Cayman Islands. The two species can easily be separated on size, present distribution, or genitalic features.

*Gyponana (Zerana) secunda* n. sp.

(Figs. 1-6)

A light yellow-green species resembling *apicata* but smaller and differing in both male and female genitalia. Length of male 8 mm; female 9-9.5 mm.

Crown thickly produced; in females twice as wide between eyes as median length, in males median length two-thirds as long as width between eyes.

Color: Generally yellow-green. Eyes red. Crown around ocelli spotted with red. Forewings nearly clear with green veins.

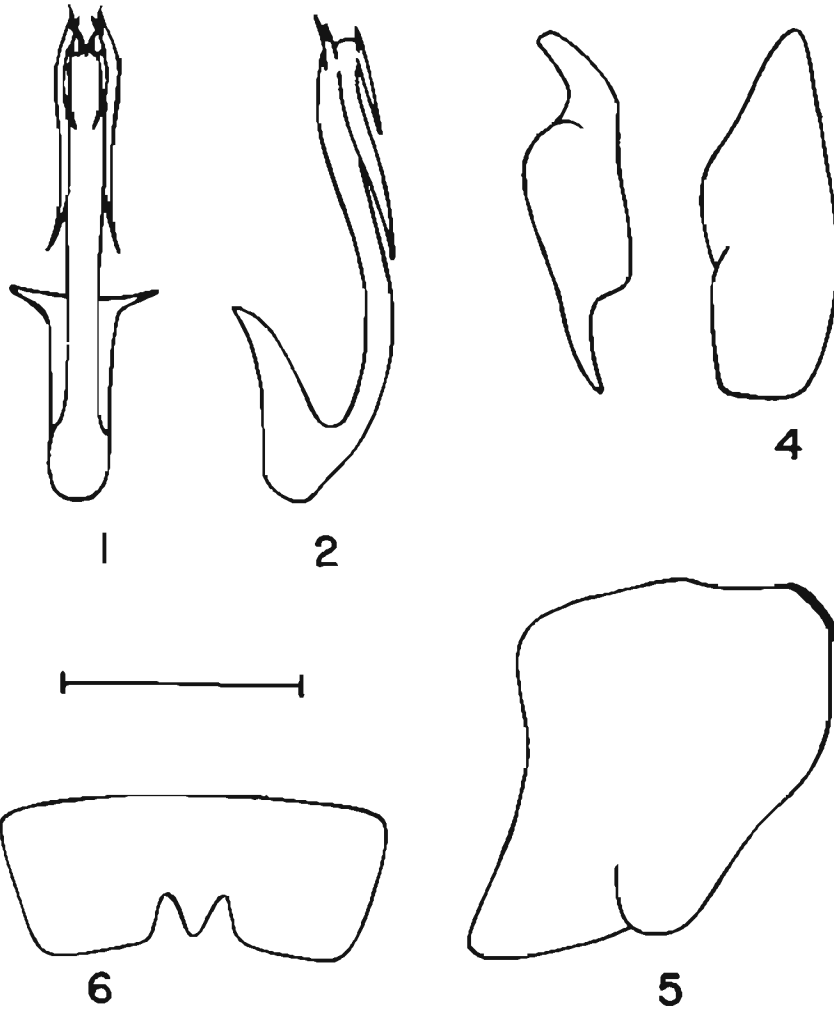
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SECUNDA

**Male genitalia:** Plates long, slightly pointed at apex. Lateral margin slightly expanded. Pygofer nearly rounded with a truncate, thickened apex. Style robust, thumb-like, apex blunt. Aedeagus, long, slender, slightly expanded at apex, bearing two pair of basally produced ventral processes one pair short and other longer (nearly half length of shaft), apex with a ventral pair of short median fork-like spines and a dorsal pair of short lateral bifurcate processes.

**Female genitalia:** Posterior margin of seventh sternum truncate with a fairly large indented median tooth.

**Holotype male:** Las Cumbres, Panama, August 23, 1974, at lights, H. Wolda, in the DeLong Collection, Ohio State University. **Allotype female:** Same data as holotype, except date is August 30, 1974, in the DeLong Collection. **Paratypes:** One male, same data as holotype, except date is July 16, 1974 in the DeLong Collection; one female, Ft. Kabbe, Panama, CZ, October 3, 1951, F. S. Blanton, in the U.S. National Museum; and one male, San Jose, Grand Cayman Is., December 1, 1958, in the U.S. National Museum.

This species is named for being the second species in the subgenus *Zerana*.

#### LITERATURE CITED

- DeLong, D. M. and P. H. Freytag, 1964. Four genera of World Gyponinae: A synopsis of the genera *Gypona*, *Gyponana*, *Rugosana*, and *Reticana*. Bull. Ohio Biol. Survey (new series) 11(3): iii-227 pp, 372 figs.

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Figures 1-6. *Gyponana (Zerana) secunda* n. sp.

Fig. 1. Ventral view of aedeagus. Fig. 2. Lateral view of aedeagus. Fig. 3. Ventral view of style. Fig. 4. Ventral view of plate. Fig. 5. Lateral view of pygofer. Fig. 6. Ventral view of female seventh sternum.

Scale equals one half millimeter for male drawings and one millimeter for the female drawing.