

A NEW SPECIES OF *RUGOSANA* (HOMOPTERA:  
CICADELLIDAE) FROM MEXICO<sup>1</sup>

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ABSTRACT

A new species of *Rugosana*, *R. varga* n. sp., from Mexico, is described and illustrated.

The genus *Rugosana* was described by DeLong in 1942 (p. 64) and 11 species were placed in the genus. DeLong and Freytag revised the genus in 1964 (p. 123) and described or redescribed and illustrated 18 known species of *Rugosana*. No further additions have been made to the present time. This new species was collected by the junior author and L. P. Gibson near Toluca, Mexico.

***Rugosana varga* n. sp.**

(Figs. 1-5)

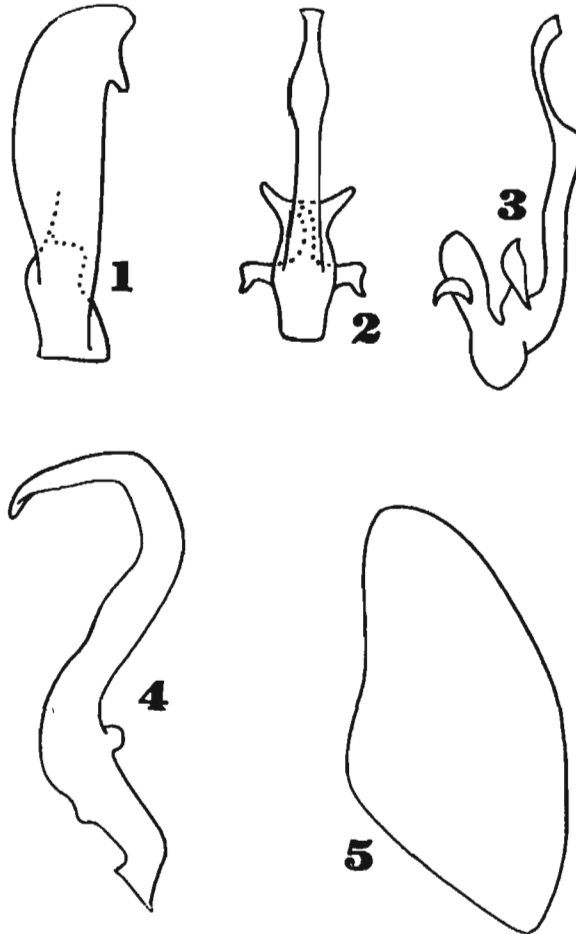
Length of male 7.5 mm, female unknown. Crown broadly rounded, more than twice as wide between eyes at base as median length. Color: crown cream, mottled with dark yellow; a black line on anterior margin of crown, a black diagonal dash just anterior to each red ocellus. Pronotum yellow, a round black spot and a proximal brown dot behind each eye located at one-third length of pronotum. Scutellum yellow, basal angles pale brown. Forewings yellow subhyaline, veins inconspicuous. Clavus white mottled with pale brown.

Male genitalia with plates four times as long as broad, widest at apices, which are broadly rounded, almost truncate, with a rounded protrusion on inner margin at apex and a smaller subapical protrusion on inner margin. Style with blade curved and recurved, bending ventrally, with the apical portion extending dorsad, tip narrow pointed. Aedeagal shaft narrowed on apical third curving dorsad, then ventrad; apex blunt; basal recurved portion with a short process extending laterad on each side. A short process arising at base of shaft.

Holotype male: labeled 27 mi W. Toluca, Mexico, VIII 20 65, on Oak, P. H. Freytag and L. P. Gibson collectors in the DeLong collection.

*Rugosana varga* is closely related to *R. venusta*, but can easily be separated from *R. venusta* by its smaller size and male genitalic differences. The male plates of *R. varga* have a hook-like

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FIGURES 1-5 *Rugosana varga* n. sp. 1—plate, ventrally. 2—aedeagus, ventrally. 3—aedeagus, laterally. 4—style, ventrally. 5—pygofer, laterally. 50X.

process on inner margins which is lacking in the plates of *R. venusta*; the aedeagal shaft is subapically enlarged in *R. varga* and is straight-sided in *R. venusta*.

#### LITERATURE CITED

- DeLong, D. M.** 1942. A monographic study of the North American species of the subfamily Gyponinae (Homoptera: Cicadellidae) exclusive of *Xerophloca*. Ohio State University Graduate School Studies Contrib. Zool. Entomol. No. 5, Biol. Series 1942: XIV+187 pp; 35 pls.
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