

**A NEW GENUS LORELLANA
(HOMOPTERA:CICADELLIDAE) AND TWO NEW
SPECIES OF DELTOCEPHALINE LEAFHOPPERS^{1,2}**

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ABSTRACT

Two undescribed species of deltocephaline leafhoppers recently collected by Dr. Henk Wolda in Panama resemble species of *Arundanus* but cannot be placed in that genus. They are being described and placed in a new genus. In form and coloration the two species are similar but the genital structures are different.

Genus *Lorellana* new genus
(Figs. 7-12)

Head equalling the pronotum in width, anterior margin angled with face. Crown flat, length equaling width at base between eyes. Forewing elongate, slender, appendix well developed, central anteapical cell constricted and divided at middle, outer and inner anteapical cells short. Male plates short and broad, apices rounded. Connective linear, aedeagus and connective fused. Aedeagus with processes arising at apex. Style with apical portion narrowed.

Type species *Lorellana tropicana* DeLong and Kolbe.

In form and coloration the species of *Lorellana* resemble the species of *Arundanus* but differ from it by the genital structures, especially the aedeagal terminal structures and short broad plates of *Lorellana* which are not present in *Arundanus*.

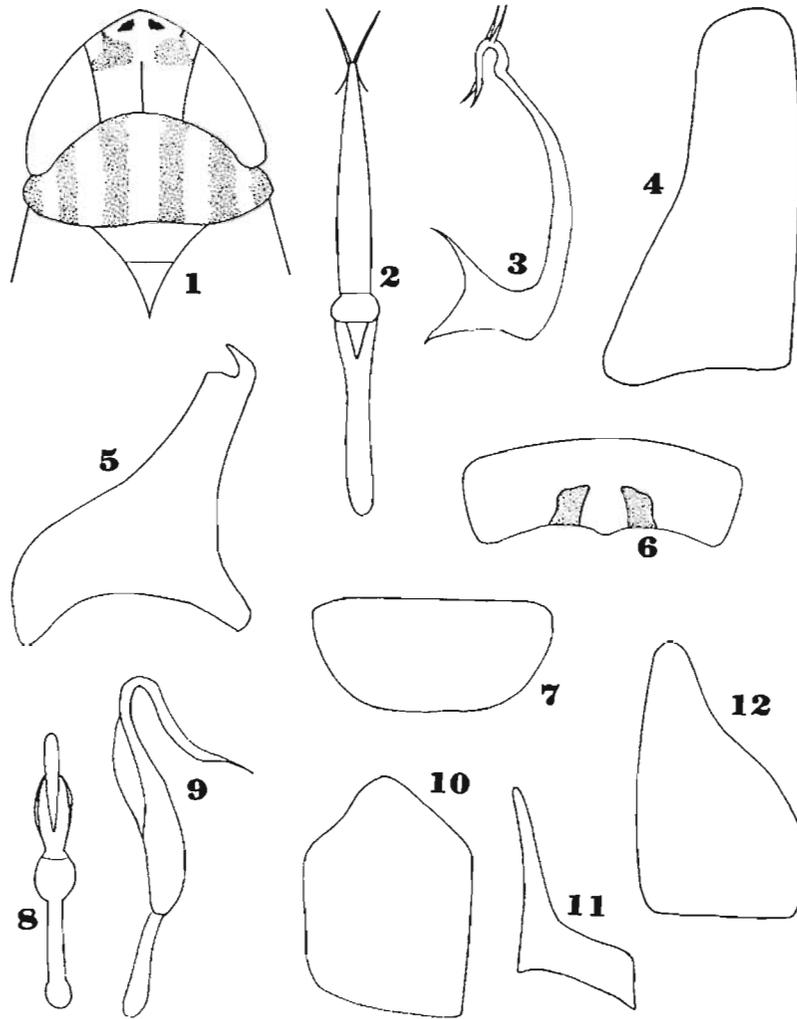
***Lorellana tropicana* new species**
(Figs. 1-6)

Length of male 3.5 mm, female 3.5 mm. Crown produced, bluntly angled, longer at middle than basal width between eyes. Pronotum with very short lateral margins. Color, face yellow with pale brown coloration just beneath margin. Crown white with a pair of small, dark brown, proximal spots just above margin at apex. A broad orange transverse band anterior to eyes. Pronotum white with six longitudinal orange stripes. Scutellum white with orange basal angles. Forewings appearing pale orange, veins white, dark brown spots on clavus at apex and a spot along claval vein near base, another on costa near middle and first apical cell brown.

¹ This work was sponsored by the Ohio State University Development Fund

² Manuscript received.

Received for publication May 1, 1974.



FIGS. 1-6. *Lorellana tropicana* n.sp. 1. head and pronotum. 2. aedeagus ventrally; 3. aedeagus laterally; 4. plate ventrally; 5. style ventrally; 6. female seventh sternite. FIGS. 7-12 *Lorellana flagalara* n.sp. 7. female seventh sternite; 8. aedeagus ventrally; 9. aedeagus laterally; 10. pygofer laterally; 11. style ventrally; 12. plate ventrally.

Male genitalia with plates which are two and one half times as long as median width, apices broadly rounded. Style with a finger-like process on inner margin at apex, bending outwardly. Aedeagus long and slender; in lateral view the shaft gently curving dorsally, the apex bearing a pair of short apical processes extending caudad and a pair of dorsally recurved processes extending basad. Pygofer narrowed apically and rounded.

Female genitalia with posterior margin of seventh sternum almost truncate, slightly concavely excavated each side of median, slightly produced, lobe.

Holotype male Las Cumbres Panama July 1973 (Henk Wolda). Allotype female same data as holotype. Paratypes 2 ♂s and 5 ♀ same data as holotype. Holotype, allotype and paratypes in the DeLong Collection.

***Lorellana flagalara* new species**

(Figs. 7-12)

Length of male 3 mm, female 3.5 mm. Crown bluntly angled, as long at middle as basal width between eyes. Color, face pale yellow with broad fuscous arcs. Crown white with a pair of proximal round black spots at apex and a smaller brown spot each side along margin about half distance from larger proximal spot to eye. A broken broad orange transverse band between anterior margins of eyes. Pronotum white irregularly mottled with orange and brown. Scutellum white with irregular gray mottling on anterior portion. Forewings pale brown, veins white, a large black spot on discal cell and outer apical cell, smaller dark brown spots along claval vein and on apical and anteapical cells.

Male genitalia with plates one and one half times as long as basal width, apices narrow, rounded. Style with blade long, slender, apex narrow, rounded. Aedeagus with apex bending sharply and recurved extending basad with tip narrow, whip-like, and curved laterad. Connective linear and fused to aedeagus. Pygofer narrowed and blunt at apex.

Female genitalia with lateral angles rounding to posterior margin which is truncate, slightly undulating at middle.

Holotype male Las Cumbres, Panama July 1973 (Henk Wolda). Allotype female same data as holotype. Paratypes 6 ♀s same data as holotype.