

**THREE NEW SPECIES OF NEOCOELIDIINAE
(Homoptera: Cicadellidae) FROM PANAMA
AND PERU**

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ABSTRACT

Three new species are described, *Xenocoelidia spinella* n. sp. from Peru, *Coelidiana plaga* n. sp. from Panama, and *Neocoelidiana chlorata* n. sp. from Panama.

The leafhopper subfamily Neocoelidiinae was erected by Oman (1943) in which he placed two North American genera *Neocoelidia* and *Paracoelidia*. DeLong (1953) partially revised the group erecting several new genera and describing the Mexican new species. Kramer (1964) presented a generic revision recognizing 16 genera. Three new species, two from Panama and one occurring in Peru are described here.

Xenocoelidia spinella, n. sp.
(Figs. 1-5)

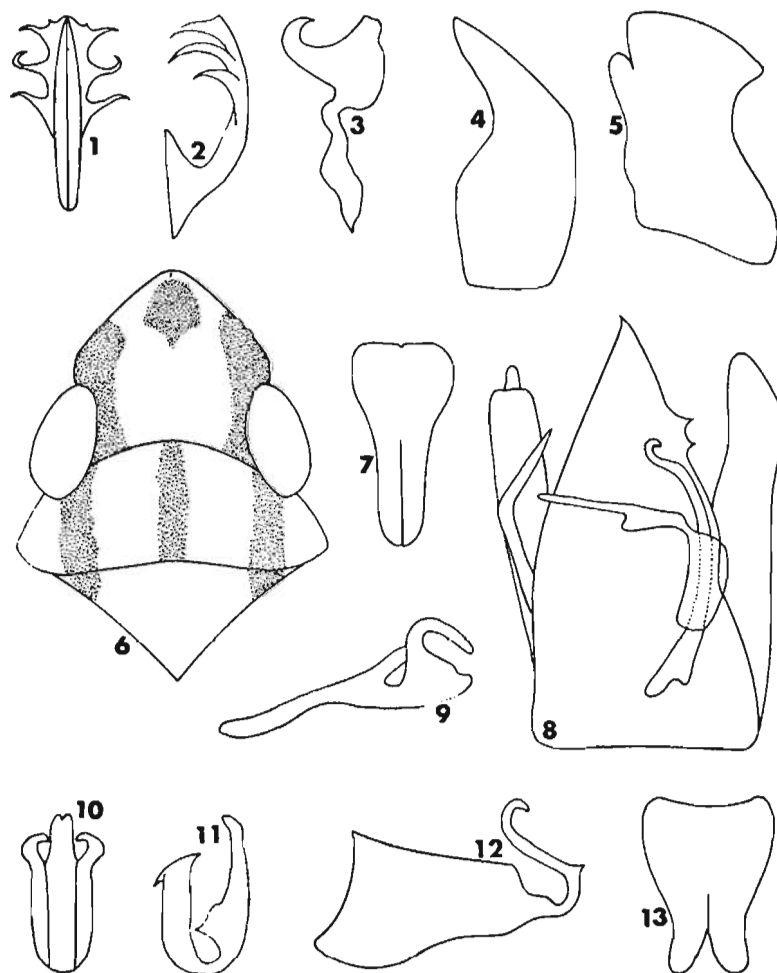
Length of male 7.5 mm. Crown blunt, rounded to front. Coloration—ground color of crown, pronotum, scutellum and forewings white. Crown with a transverse orange-red band between anterior portions of eyes. Pronotum with a transverse orange-red band on center of disc and an orange-red spot on each lateral angle. Forewing with an orange-red band extending from base of clavus along commissural margin to apex of clavus. Apical triangle of clavus black.

Male genitalia with plates two and one half times as long as median width, apical third narrowed, apices rounded. Style in lateral view with apical portion enlarged and forming a broad, dorsal, curved, spine-like structure. Aedeagus bearing three pairs of spines, one apical and two subapical. Pygofer with apex broadly rounded, bearing a short rounded finger-like protrusion on dorsal margin subapically.

Holotype male Machu Picchu, Peru XI-23-28, (D. M. DeLong) in the DeLong Collection.

Coelidiana plaga, n. sp.
(Figs. 6-8)

Length of male 5.5 mm. Crown strongly produced and bluntly angled with front, length a little greater than interocular width. Coloration—ground color crown, pronotum and scutellum white. Crown



FIGS. 1-5—*Xenocoelidia spinella* n. sp. 1. aedeagus, ventrally, 2. aedeagus, laterally, 3. style, laterally, 4. plate, ventrally, 5. pygofer, laterally.

FIGS. 6-8—*Coelidiana plaga* n. sp. 6. head, pronotum and scutellum, 7. plates, ventrally, 8. terminal portion of abdomen laterally.

FIGS. 9-13—*Neocoelidiana chlorata* n. sp. 9. style, laterally, 10. aedeagus, ventrally, 11. aedeagus, laterally, 12. pygofer, laterally, 13. plates, ventrally.

with a broad red median spot at apex extending almost half length of crown and tapering to a pointed apex. A broad red stripe each side extending from each side of apex, along eye and to base of crown. Pronotum with three longitudinal red stripes, a median red stripe

extending across pronotum and to apex of scutellum and a red stripe each side extending from eye across pronotum and terminating in the basal angles of scutellum. Forewings pale stramineous, commissure, along anterior half of clavus, margined with red, posterior portion of clavus pale brown.

Male genitalia with long narrow plates which are fused at base. Style long, slender with a small apical hook. Aedeagus simple, erect, the apical portion slender, extending to dorsal margin of pygofer. Pygofer sharp pointed apically with two teeth on ventral margin one-fourth distance from apex, and bearing two long slender dorsal processes which arise near base and extend caudally dorsad to dorsal margin of pygofer, the processes bending ventrally near middle.

Holotype male Darien Prov. Sante Fe, Panama V-28-67 (DeLong & Triplehorn). Paratype δ same data as holotype. Types in the DeLong Collection.

Neocoelidiana chlorata, n. sp.

(Figs. 9-13)

Length of male 5.5 mm. Crown blunt, broadly rounded and broadly rounding to front, slightly broader at base between eyes than median length. Coloration—crown yellow. Pronotum with anterior half pale green, posterior half including lateral margins bright red. Scutellum red. Forewings with basal two-thirds of clavus bright green, orange-red along claval vein and on disc and caudal portion of clavus. Two small reddish areas on disc. Costal area mostly green. Apical cross veins white.

Male genitalia with plates two and one half times as long as median width, apices angled. Style in lateral view elongate, slender, apical portion hooked and with a process extending straight, lateral to the hooked portion. Aedeagus in lateral view with a caudal portion produced dorsally, broadened near base and attached ventrally to the cephalad portion which is bifid with both pieces extending dorsally, each is blunt apically with a pointed tooth on anterior and posterior margins. In ventral view the two parts of the cephalad portion appear lateral to the caudal portion. Pygofer with a long curved spine, more than half as long as pygofer.

Holotype male Darien Prov. Sante Fe, Panama V-29-67 (D. M. DeLong, C. A. Triplehorn). Paratypes 1 δ same data as holotype; 1 δ Panama Prov. Chica, Pan. VI-12-67 (D. M. DeLong, C. A. Triplehorn). Type specimens in the DeLong Collection.

LITERATURE CITED

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- Kramer, J. P. 1964. A Generic Revision of the Leafhopper Family Neocoelidiinae (Homoptera:Cicadellidae). *Proc. U.S. Nat. Mus.* 115:259-288.
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