

the National Museum of Natural History, Washington, D.C.; in the collection of the Department of Entomology, Texas A&M University, College Station, Texas; in the J. C. M. Carvalho collection, Rio de Janeiro, R.J.; and in the collection of the Instituto de biologia, U.N.A.M., Mexico, D.F.

The host plant for both nymphs and adults of this species is *Jacquinia seleriana* Urb. & Loes.

***Carvalhoisca michoacanus* n. sp.**

(Figs. 3–5)

Male (measurements of holotype given first followed in parentheses by means and ranges, $n = 20$): Length, 1.60 (1.60, 1.44–1.66); width, 0.96 (0.94, 0.90–0.98). Head length, 0.14 (0.12, 0.10–0.14); width through eyes, 0.76 (0.75, 0.74–0.78); vertex width, 0.34 (0.33, 0.32–0.34). Length of antennal segment I, 0.22 (0.21, 0.20–0.22); II, 0.68 (0.65, 0.60–0.68); III, 0.38 (0.35, 0.34–0.40); IV, 0.26 (0.24, 0.24–0.28). Pronotal length, 0.34 (0.34, 0.34–0.36); width, 0.82 (0.81, 0.80–0.84). Cuneal length, 0.32 (0.32, 0.30–0.34); width, 0.20 (0.21, 0.20–0.22).

General coloration black with appendages pale yellowish brown. Head black, juga and base of tylus reddish black, lora and apical half of tylus pale yellowish brown; antenna pale yellowish brown, apex dark fuscous; rostrum pale yellowish brown. Thorax including scutellum and hemelytron black, membrane of hemelytron black becoming abruptly pale near margin; thoracic sterna reddish brown to reddish black; bases of mid and hind coxae dark fuscous, remainder of legs light yellowish brown. Abdomen reddish brown to reddish black.

Morphological characters as given for genus. Genitalia as in Figs. 3–5.

Female (means followed in parentheses by ranges, $n = 20$): Length, 1.72 (1.62–1.84); width, 1.03 (1.00–1.06). Head length, 0.16 (0.14–0.20), width through eyes, 0.80 (0.78–0.82); vertex width, 0.40 (0.38–0.42). Length of antennal segment I, 0.19 (0.18–

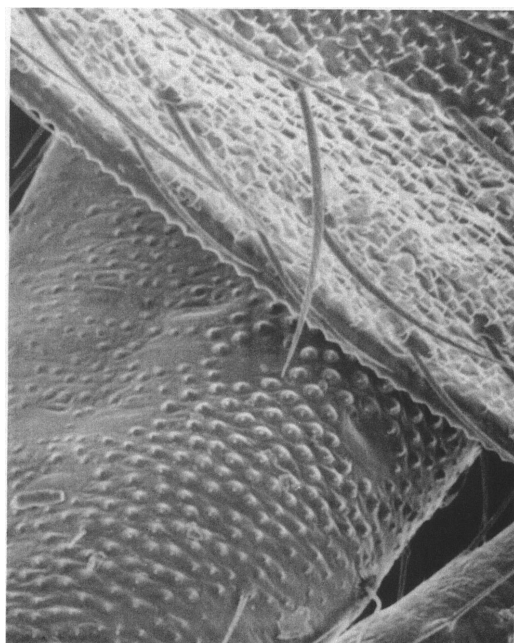


Fig. 2. *Carvalhoisca jacquiniae*, costal margin of hemelytron showing stridulitrum and hind femur showing plectrum.

0.22); II, 0.52 (0.48–0.56); III, 0.34 (0.32–0.38); IV, 0.25 (0.24–0.30). Pronotal length, 0.36 (0.34–0.38); width, 0.87 (0.86–0.90). Cuneal length, 0.33 (0.32–0.34); width, 0.24 (0.22–0.26).

Similar to male in form and color.

Holotype: ♂, MEXICO: Michoacan, 28.5 miles south of Nueva Italia, July 9, 1985, [R. W.] Jones, [J. C.] Schaffner. Deposited in the collection of the Instituto de Biologia, Universidad Nacional Autonoma de Mexico, D.F.

Paratypes: 25 ♂, 54 ♀, same data as holotype. Deposited in the National Museum of Natural History, Washington, D.C.; in the collection of the Department of Entomology, Texas A&M University, College Station, Texas; in the J. C. M. Carvalho collection, Rio de Janeiro, Brasil; and in the collection of the Instituto de Biologia, U.N.A.M., Mexico, D.F.

Specimens of this species are nearly al-