

NEOTROPICAL MIRIDAE: NEW SPECIES OF "BACULODEMA", "DEROPHTHALMA" AND "LEUCOPOECILA" (Hemiptera) ¹

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Baculodema balloui n. sp.

Differs from *luridum* Reuter in the deep black color, strongly arcuated down turned outer half of corium and embolium; antennae, rostrum and legs pallid to yellowish.

Female : length 3.33 mm., greatest width 1.09 mm., behind middle. *Head* : width 0.73 mm., vertex 0.36 mm.; eyes reddish brown, curving back somewhat against anterior angles of pronotum, vertex ecarinate, nearly flat, a shallow impression each side near eye, frons bluntly prominent, shining, finely punctate; black, convexity of frons, bordering eyes, tylus and juga, more brownish. Rostrum length 0.73 mm., reaching to middle of mesosternum, yellowish, apex fuscous.

Antennae : segment I, length 0.43 mm., cylindrical, pale pubescent; II, length 0.78 mm., cylindrical, pallid, apical half yellowish, clothed with fine pale pubescence; III, broken.

Pronotum : length 0.73 mm., width at base 0.91 mm., apical half with sides subparallel (width 0.56 mm.), posterior half flaring outwards thence posteriorly to basal angles; disk and pleura punctate, calli moderately prominent, shining, punctate before and between; black, shining, pale pubescent. Scutellum triangular, punctate, shining black like hemelytra.

Hemelytra : outer half of corium turned downward, emboliar margin broadly arcuated on apical half; cuneal fracture deeply incised, cuneus short, length 0.17 mm., width 0.38 mm., strongly deflexed, minutely punctate; strongly and closely punctate, black, shining, clothed with suberect pale pubescence. Membrane deflexed, uniformly dark fuscous, slightly paler bordering cuneus, veins dark.

Thorax and *venter* : deep black, shining, pleura punctate. *Legs* : uniformly pallid to yellowish; arolia erect, slender and incurved on apical half, typical of the *Orthotylinae*.

Male: length 3.25 mm., width 0.86 mm. More slender than the female but very similar in color and pubescence. *Head*: width 0.73 mm., vertex 0.35 mm. *Pronotum*: length 0.69 mm., width at base 0.84 mm.

Holotype: 1 female, April 16, 1939, road to La Guaira, 20 kms. outside of Caracas, Venezuela (C. H. Ballou); Knight collection. *Allotype*: Same data as type. *Paratypes*: 18 males and females, taken with the types on *Cecropia* sp.

This species is named in honor of C. H. BALLOU, government Entomologist who kindly sent specimens for identification.

Derophthalma coriaria n. sp.

Differs from *reuteri* Berg in the more strongly gibbous scutellum, larger size, and broader vertex.

Female: length 4.40 mm., width 2.12 mm. *Head*: width 1.00 mm., vertex 0.360 mm.; vertex impressed on median line, frons irregularly sculptured, eyes prominent and vertical in position, tylus very prominent, obtusely angulated; dark brown, vertex lighter brown. Rostrum length 1.56 mm., reaching to near base of middle coxae, yellowish, apex dark brown.

Antennae: segment I, length 0.43 mm., cylindrical, narrowed at base, brownish black, apex pale; II, length 1.29 mm., slender, tapering to thicker (thickness 0.08 mm.) on apical half, yellowish brown, apical one third brownish black; III, 0.73 mm., fuscous, pale at base; IV, broken.

Pronotum: length 1.25 mm., width at base 1.90 mm.; disk strongly convex, coarsely and rather closely punctate, basal margin broadly rounded, sinuate near lateral angles, lateral margins nearly straight, rounded over to the propleura, anterior angles narrowed, not at all prominent, flaring margins of propleura about front coxae visible from above; collar flat, moderately broad, punctate, structure evident but obscured by pubescence; calli distinct, finely punctate, covered with fine, appressed, silky pubescence. Color brown to dark brown, prosternum and flaring margins about coxae, pale; clothed with appressed, silky, silvery and yellowish pubescence. Scutellum evenly, gibbosely elevated, almost conically produced but not sharply, height 0.39 mm.; coarsely punctate, clothed with silvery and golden sericeous pubescence; color dark brown, the nearly flat, narrow apex, pale.

Hemelytra: emboliar margins nearly parallel, or slightly sinuated, cuneus sharply deflexed; surface distinctly coriarius, clothed with very short, appressed, silky silvery and golden pubescence; dark brown, narrow apex of embolium margining cuneal fracture yellowish, apex of cuneus pale. Membrane fuscous-brownish, a lunate mark behind cuneus, disk of darker areole and mark on middle of membrane paler, veins yellowish brown. Mesosternum and episternum of metathorax brownish black, ostiolar peritreme pale yellowish.

Legs: dark brown, tips of coxae and the trochanters pale; tibia yellowish brown, dark brown on base, tarsi yellowish, apical segment fuscous. Arolia erect, divergent at tips as typical for the *Capsinae*. *Venter*: yellowish brown to dark brown.

Holotype: female, Dec. 1939, Nova Teutonia, Brazil (Fritz Plaumann); Knight collection. *Paratypes*: 1 female, taken with the type; 1 female Minas Gerais, Brazil.

Leucopocila albofasciata Reuter

Leucopocila albofasciata Reuter, 1907, *Oversigt Finska Vet.-Soc. Foerh.*, 49(5):26.
Leucopocila Bilimeki Reuter, 1908, *Ann. k. k. Naturhist. Hofm. Wien*, 22:179.

We have studied specimens from Mexico, Arizona, Texas and Jamaica and find only one species having white pubescence and conspicuous white mark across clavus and corium. Furthermore, a study of the original descriptions does not reveal characters for distinguishing two species.

Leucopocila inornata n. sp.

Differs from *albofasciata* Reut. in the yellowish first antennal segment, also by the brownish black pubescence on the dorsal surface of the body; hemelytra brownish black, pale spot of clavus (male) scarcely evident.

Male: length 2.55 mm., width 1.04 mm. *Head*: length 0.75 mm.; vertex 0.360 mm.; rostrum length 0.96 mm., reaching to apices of hind coxae, brownish black.

Antennae: segment I, length 0.23 mm., width 0.11 mm., yellowish, the constricted base blackish, clothed with fine, brownish pubescence; II, length 0.48 mm., greatest width 0.13 mm., tapering, more slender on apical half, with fine, short, yellowish to black pubescence, ventral surface with an elongated sensory pit very similar to that in *albofasciata*; III, length 0.48 mm., slender, black; IV, length 0.32 mm., blackish.

Pronotum: length 0.48 mm., width at base 0.97 mm., black, moderately shining. Scutellum moderately convex, black.

Hemelytra: brownish black, clavus sometimes with brownish to pale mark evident, but never white as in *albofasciata*, clothed with fine, short, brownish to fuscous pubescence; membrane pale to dusky brown, veins darker, paler spot by apex of cuneus.

Legs: brownish black, apices of femora and tibiae pale yellowish to brown. *Venter*: brownish black.

Holotype: 1 male, Campinas, São Paulo, Brazil, in the Knight Collection. April 20, 1936, (H. B. Hambleton). *Paratypes*: male, same data as type. 5 males, Chapada, Minas Gerais, Brazil. Male, Trinidad, Bolivia (N. S. Pennington).