STUDIES IN PACIFIC BOMBYLIIDAE (DIPTERA)

I. A new species of *Zaclava* from the Loyalty Islands and New Caledonia, with a key to species in the genus

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Abstract: A new species from the Loyalty Islands, *Zaclava kraussi*, is described and illustrated. This is the first record of the genus *Zaclava* from outside Australia. A key to the species of *Zaclava* is presented.

Hull (1973), in erecting the genus *Zaclava*, included 3 species, all from Australia: *Zaclava clavifemoratus* (Hardy, 1922), *Z. minima* (Roberts, 1929), and *Z. occidentis* (Roberts, 1929). The characters Hull (1973) gives in separating *Zaclava* from *Dolichomyia* Wied. and *Systropus* Wied. include its small size (5-10 mm in length), short, broad 3rd antennal segment, shortened forelegs, strongly swollen hind femur, and palpus 1/2 to 3/4 as long as the proboscis. The new species from the Loyalty Islands and New Caledonia described below represents the first record of this genus outside of Australia.

**KEY TO THE SPECIES OF ZACLAVA**

1. Hind femora black; halters completely brown; large species (10 mm) .................. *clavifemoratus* (Hardy)
   Hind femora yellow at least basally; halters with stem or knob, or both, yellow; size variable ........ 2
2. Scutum dull dark gray to gray; scutellum black. . .Australia .................. 3
   Scutum shining black; scutellum dull rusty brown. . .Loyalty Islands and New Caledonia . . . . . . . . . . . . . . . . . *kraussi*, n. sp.
3. Spines on hind femora absent; halters yellow; sternites gray. . .Western Australia ....... *occidentis* (Roberts)
   Two rows of short strong black spines on venter of hind femora; halter stem brown with yellow knob;
   sternites brown. . .Eastern Australia .................. *minima* (Roberts)

*Zaclava kraussi* Evenhuis, new species FIG. 1, 2, 3

*ceph.:* head: face and oral margin gray-black, bare; frons gray, bare; vertex black, few black hairs on ocellar tubercle; eyes contiguous from ocellar tubercle to small frontal triangle above antennal bases; occiput blackish brown, bare; antennae (FIG. 1) with segments I and II light brown; few short brown hairs on dorsal surface of segment I; segment II with minute brown hairs at apex; segment III lanceolate, bare; antennal ratio 2:1:3; proboscis blackish brown, as long as scutum and scutellum combined; palp dark brown, 2/3 as long as proboscis.

*Thorax:* scutum shining black dorsally, dull rusty brown posteriorly, sparse minute yellow pubescence on notum; scutellum dull rusty brown, bare; pleura gray; hypopleuron with few yellow hairs, bare elsewhere on pleura; humeral callus yellow, bare; halter stem yellow, knob dark brown. *Legs:* fore- and midlegs dull yellow, bare; hind coxa dull yellow, bare; hind femora swollen apically, shining translucent yellow-brown basally, brown apically, 2 rows of 10 to 13 strong, short black spines ventrally; hind tibia slightly swollen apically, less swollen than hind femora, yellow basally, dark brown apically with fine brown hairs mesally; tarsi brown, short brown spinoe. *Wing* (FIG. 2): tinted light smoky brown to yellow; veins yellow-brown; R₄ curved upward at wing margin; fringe of short

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FIG. 1-3. *Zaclea kraussi* Evenhuis, n. sp.: 1, antenna; 2, right wing; 3, apex of abdomen, lateral view.
yellow hairs on posterior wing margin. *Abdomen*: long, slender, clubbed apically (FIG. 3); tergites shining brown dorsally, yellow-brown markings laterally, sparse minute light brown hairs on dorsum; sternites I-V yellow, bare; sternites VI-VII brown, bare. Length: 6.5 mm.

♀. Unknown.


Remarks. *Zaclava kraussi* is closest in appearance to *Z. minima* (Roberts) and can be separated from it by the shining black scutum, brown scutellum, yellow-brown lateral abdominal markings, yellow sternites and broadly clubbed apex of the abdomen.

LITERATURE CITED

