

TRIBE CALLIPHORINI FROM AUSTRALIAN AND ORIENTAL REGIONS

VI. Description of male of *Polleniopsis jamesi* from New Guinea (Diptera: Calliphoridae)

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Abstract. The male of *Polleniopsis jamesi* (Diptera: Calliphoridae) is described and illustrated for the first time from New Guinea.

Through the courtesy of Mr J. P. Dear, British Museum (Natural History) (BMNH), I was privileged to study male specimens of *Polleniopsis jamesi* Kurahashi, which was originally based upon the female. The male is herein described and illustrated for the first time.

***Polleniopsis jamesi* Kurahashi**

FIG. 1a-e

Polleniopsis jamesi Kurahashi, 1972, Pac. Insects **14**: 714.

♂. *Head*: eyes bare, subholoptic, separated at narrowest point of frons by slightly more than the width of ocellar triangle; frons index 0.08-0.10; frontal stripe reddish black, not obliterated at narrowest point; parafrontalia yellowish gray to golden dusted, with rather elongate black setulae; parafrontalia slightly darkened towards vertex, with 12-14 pairs of *ori*; face reddish, yellowish gray to golden dusted, with a weakly developed median carina; facialia dark red, yellowish gray dusted, with several black setulae on lower 1/3; vibrissae strongly developed; vibrissaria and medianae dark red; epistome dark red; normal in shape, not projecting forward; jowls, post-jowls and occiput black, yellowish gray dusted; jowls clothed with black hairs anteriorly; posterior part of jowls and post-jowls with yellow hairs; occiput largely covered with yellow hairs; antennae reddish, darkened apically on 3rd segment, 3rd segment ca 4× as long as 2nd; arista fuscous, plumose towards tip; palpi orange, with black hairs except for a few brown ones at base. *Thorax*: black, with dull olivaceous green tinge, gray dusted, thoracic dorsum with 6 dark longitudinal stripes anteriorly, median and submedian stripes narrow, lateral stripe broad; scutellum concolorous with thoracic dorsum; prosternum and propleura with yellow hairs; mesopleura clothed with black hairs; sternopleura, pteropleura and hypopleura largely covered with black hairs and with yellow hairs in part; supraspiracular convexity pubescent; pleurotergite blackish setulose; postalar declivity with tuft of black hairs in central portion and with black, sometimes black and yellow, setulose hairs posteriorly; suprasquamal ridge with anterior parasquamal tuft of yellow soft hairs, tympanic tuft of black hairs; thoracic spiracle blackish brown. Chaetotaxy; *ac* 1+3 (sometimes with 1 additional bristle in front of anterior *ac*), *dc* 2-3+3, *ia* 0+2, *h* 3-4, *ph* 2, *prs* 1, *sa* 3, *pa* 2, *sc* 4+1, *st* 2+1, propleural and prostigmatic bristles well developed. *Wings*: hyaline, brownish at base; veins brown; epaulet blackish; basicosta reddish orange; subcostal sclerite brown, pubescent; node of 2nd and 3rd longitudinal veins with several black setulose hairs above and below; 4th vein bent at right angle; squamae brown, thoracic squama covered with blackish-brown hairs on basal 2/3 of upper surface. *Legs*: black; coxae with black hairs, sometimes with yellow hairs basally; front tibia with 1 *p* and several short *ad*; mid tibia with 1 *ad*, 2 *pd* and 1 *v*; hind tibia with 2 *ad*, 1 *av* and 2 *pd*, 1 apical *d* well developed. *Abdomen*: bluish green, densely pruinose; typical row of marginal bristles present

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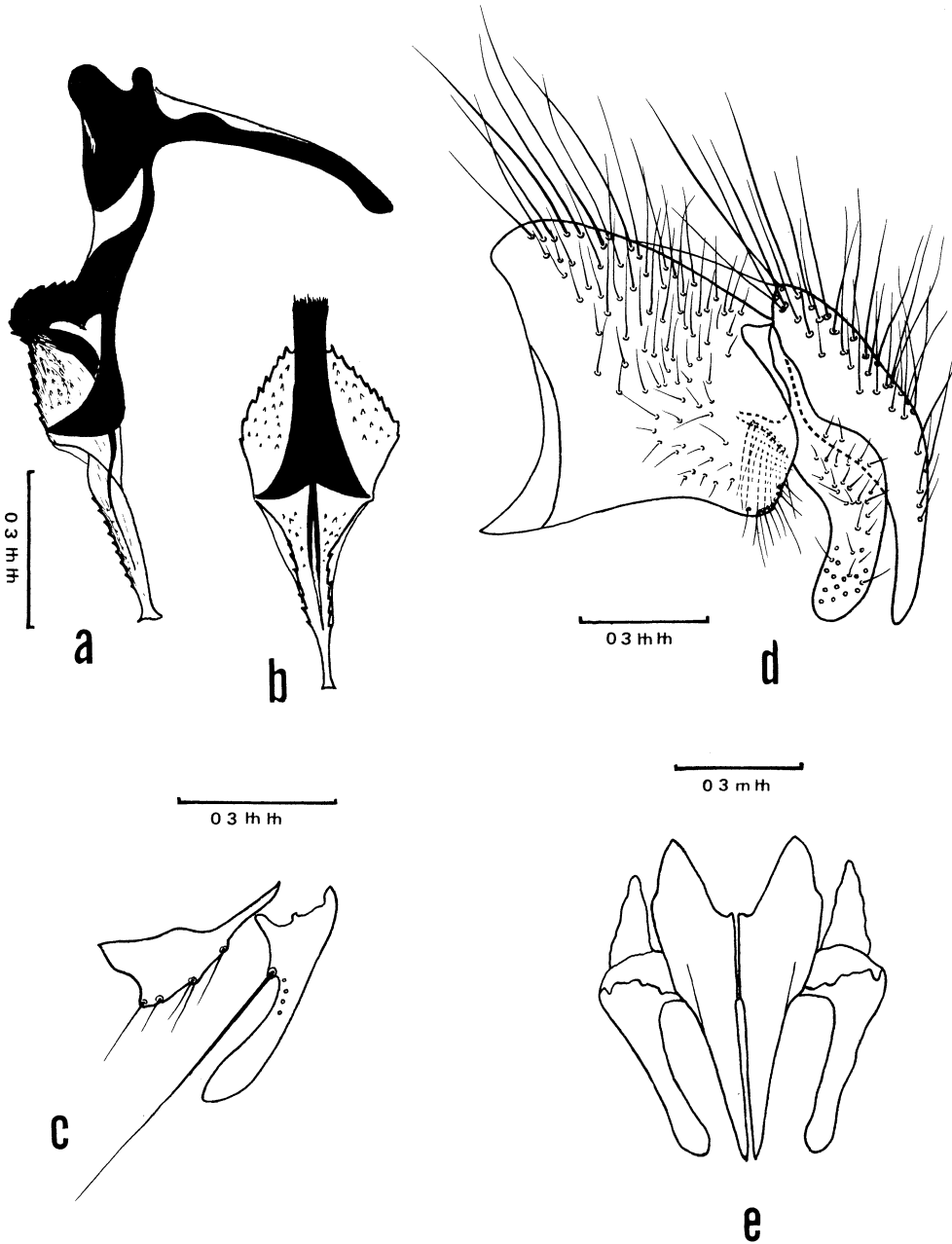


FIG. 1. *Polleniopsis jamesi*, ♂ genitalia: a, aedeagus, lateral view; b, aedeagus, posterior view; c, anterior and posterior parameres, lateral view; d, epandrium, cercus and parolobus, lateral view; e, cerci and paralobi, caudal view.

only on 4th and 5th tergites and lateral sides of tergites 1+2 and 3; tergite 5 with erect fine bristly hairs on disc; ventral sides of tergite 1+2 with yellow hairs in part; sternites 1 and 2 with several yellow hairs; sternites 3-5 covered with black hairs.

Length: 8.5-10.5 mm.

Specimens examined. PNG: NEW GUINEA (NE): 8♂, E Highlands, Goroka, 25-29.V.1965, R.W. Crosskey (BMNH).

Bionomics. Unknown.

Distribution. Papua New Guinea.

Comments. *Polleniopsis jamesi* Kurahashi is similar to *P. kashmirensis* Kurahashi & Okadome, 1976 from Kashmir, India, but can be easily distinguished from it by the orange basicosta, golden soft hairs on the posterior part of the jowls and post-jowls and the genitalia.

Acknowledgments. I am very grateful to Mr J. P. Dear, British Museum (Nat. Hist.), London, for the privilege of studying the material presented herein.

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