

NEW CEYLON DIPTERA.

(Part II.)

By R. A. SENIOR-WHITE, F.E.S.

Mycetophilidæ.

CEROPLATUS PULCHRIPENNIS, sp. n.

Male.—Head: Dark brown, palpi concolorous. Eyes widely separated below antennæ. Antennæ unicolorous, yellowish-brown, quite as flattened as in *C. quadripunctatus*, but with apical joint much more pointed.

Thorax: Yellowish-brown dorsally, a pair of ill-defined darker lines dorso-centrally converging posteriorly. Shoulders and pleuræ, whitish. Scutellum concolorous with dorsura, metanotum grayish-yellow. Sides of thoracic dorsum and scutellar margin with black bristles.

Abdomen: Grayish-brown, first segment half the width of the rest of the abdomen. Junctions and central area of dorsal surface of segments broadly paler, the whole with bristly black hairs. Genitalia, black, small.

Wings: Grayish, a darker area is bounded internally by a line from axillary angle over the cross veins, sharply angled outwards in upper half of marginal cell to costa, and contains a pale area between the third and upper branch of fifth veins centred over the inner third of petiole of fourth vein, and indefinite pale submarginal spots in second, third, and fourth posterior cells. The infuscation is most pronounced above upper branch of fifth vein internally to pale area in outer three-quarters of marginal and in submarginal cells. Halteres with pale yellow stem and large black capitellum.

Long: 2 mm.

Described from a unique male in good condition taken from a spider's web, Suduganga, Matale, Ceylon, February 17, 1920.

In my own collection.

It is a curious coincidence that the types of both the Asiatic species have come from spiders' webs, as also my only specimen of *C. quadri-punctatus* (Brun.).

PLATYURA MINUTA, sp. n.

Male.—Head: Frons very dark brown, the lateral ocelli prominent, whitish. Palpi concolorous. Antennæ paler brown, considerably pubescent, apical joint appearing like a narrow acuminate tip to penultimate.

Thorax: Dark brown, unmarked, shoulders pale yellow. Pleuræ and scutellum slightly paler, metanotum dark, very steep. A row of dorsocentral bristles, sides of dorsum bristly, and some bristles on scutellar margin, all black.

Abdomen: Brownish, unmarked, bristly. Genitalia prominent, a pair of rather paler brownish two-jointed claspers, the basal joint broadened apically and rather longer than apical joint. Between the claspers can be seen a black plate with bifid apex.

Legs: Yellowish-brown, posterior coxæ darker.

Wings: Gray. Petiole of fourth vein nearly as long as its branches, base of upper branch of fifth vein evanescent. Halteres with yellow stem and darker capitellum.

Long: $1\frac{1}{4}$ mm.

Described from unique male taken on window, Suduganga, Matale, Ceylon, April 25, 1920.

In my own collection.

This species runs down to couplet 8 in Brunetti's Key to the Indian species in "Fauna India, Diptera Nemocera," and there separates on the unbanded abdomen.

LYGISTORRHINA ASIATICA, sp. n.

Male.—Head: Frons blackish, with pale hairs, ocelli yellow, distinct. Proboscis as long as hind femur, tubular, brownish-yellow, with short sparse pubescence. Palpi very small,

single-jointed, concolorous. Antennæ laterally compressed, of same width throughout, the apical joint about twice as long as the penultimate, brown, with pale pubescence on underside and longer hairs above.

Thorax: Very dark brown, scutellum and metanotum concolorous, pleuræ yellowish, metapleuræ meeting above as a fine yellow band at junction of metanotum with abdomen, thus sharply separating these two dark portions. Prothorax and humeri, viewed from above, appear as a yellow anterior margin to mesonotum. Thoracic dorsum with irregularly placed stiff black hairs, strongest on lateral and posterior margins, scutellum with a marginal row of hairs.

Abdomen: Black, dorsally and laterally, with bristly hairs throughout, also ventrally from middle of fourth segment to apex. Genitalia inconspicuous, black, with some hairs.

Legs: Coxæ and femora yellowish, fore coxæ and all trochanters darker, as are also all tibiæ and tarsi. Hind tibiæ with the apical spurs equal, and a row of short lateral spines.

Wings: Pale smoky-yellow. Subcosta ending in costa, which extends practically to apex of wing. Halteres with yellow stem and blackish capitellum.

Long: $2\frac{1}{2}$ mm.

Described from a unique male taken on window, Suduganga, Matale, Ceylon, on April 20, 1920.

Type in my own collection.

This species differs from Skuse's definition of his genus in several respects, viz., the palpi are undoubtedly present, Skuse stating "apparently absent." The antennæ are broader and of equal width throughout, but this may be a sexual difference, as Skuse's type is a female; the short lateral spines on the hind tibiæ are easily overlooked, but in my species are undoubtedly present. The terminations of the costal and sub-costal veins also differ, but I do not think that all or any of these differences requires the erection of a new genus.

RHYMOSIA VARICORNIS, sp. n.

Female.—Head: Frons yellowish, with decumbent fine black hairs. A row of black bristles around, but separated from, posterior orbits, the intervening space without hairs and thus appearing as a paler margin to the eyes. All three ocelli surrounded by a small blackish area. Face yellowish, palpi and proboscis rather more brownish. Eyes microscopically pale pubescent. Antennæ sixteen jointed. Scapal joints yellow, each with a ring of black setulæ apically, with two or three longer setæ above and below on first and above only on second joint. First four flagellar joints smooth, yellow, cylindrical, the first one and a half times as long as the second, constricted on basal third; the next three equal, closely sessile. The remaining ten joints laterally compressed, dark brownish, pale pubescent; the first nine sub-equal, the apical half as long again as the penultimate.

Thorax: Yellowish, a pair of purplish-brown stripes from above the humeri widely separated anteriorly, converging posteriorly, enclosing a median V-shaped yellow area, with its apex above root of scutellum. Viewed from behind it is seen that the extreme posterior portion of the mesonotum, too steep to be viewed from above, is all yellow. Within the V-mark are a pair of ill-defined purplish brown lines, converging and terminating at about centre of mesonotum. Humeri and pleuræ yellow. Scutellum yellow, the whole of the dorsal surface, except a narrow median area, brown, as if the mesonotal sub-dorsal brown bands were continued on to it. Metanotum brownish-yellow. Mesonotum short black-haired, a line of sub-erect black bristles along each margin of the V-mark, ending posteriorly in a pair of diverging black bristles medianly above root of scutellum. Several strong black bristles around humeri, those above the calli more or less erect, two very strong ones below decumbent, and one or two strong bristles supra-alar and on postalar calli. A strong apical pair on scutellum.

Abdomen: Strongly laterally compressed, brownish-yellow, dorsum all black, except at base of first and second segments; second to fifth segments laterally with broad posterior black bands. Venter and genital lamellæ yellow.

Legs: Coxæ and femora yellow, tibiæ slightly and tarsi much darker.

Wings: Yellowish-gray. Fork of fifth vein very narrow to beyond level of the fork of the fourth vein; sixth vein strong, extending as far as level of fork of fourth; seventh distinct, incomplete. Halteres yellow.

Long: 4 mm.

Described from unique female, in perfect condition, taken on window, Suduganga, Matale, Ceylon, August 1, 1920.

Type in my own collection.

DELOPSIS NIGRO-FLAVA, sp. n.

Female.—Head: Yellow, with paler pubescence. Antennæ and palpi concolorous. Eyes microscopically pale pubescent.

Thorax: Yellow, the dorsum with the posterior half or three-quarters with a broad black saddle-like patch of irregular outline, leaving only a narrow posterior yellow margin. Propleura yellow, remainder of sides of thorax brownish, hypopleura very dark to black. Scutellum and metanotum black.

Thorax with yellowish hairs and strong brownish-yellow bristles, situated as follows:—A long one on postalar calli, a prescutellar pair, several below wing roots, and about four on margin of scutellum.

Abdomen: Yellow. The dorsum of the first five segments from all black to black with yellow basal halves to third to fifth segments. The black colour more or less extended to lateral on posterior margins of segments.

Legs: yellow, paler than head and thorax, the tip of front coxæ usually more or less darkened.

Wings: Grayish, more yellow on fore border, veins yellowish. Halteres yellow.

Long: 3 mm.

Described from four specimens from Maskeliya in January and March and Matale in January (both Ceylon). Type from Suduganga, Matale, on window, January 29, 1920. Type and other specimens in my own collection.

DELOPSIS SETOSIVENTRIS, sp. n.

Female.—Head, palpi, and antennæ: Yellow, distal flagellar joints of last somewhat darker.

Thorax: Yellowish, an indefinite brown patch on posterior half of dorsum, pleuræ concolorous, slightly darker posteriorly, hypopleuræ very dark to black. Scutellum and metanotum very dark brown. Bristles of thorax yellow-brown, a single postalar, four prescutellar (two acrostichal, two dorsocentral), a few below wing roots, and four scutellar.

Abdomen: Dorsum brownish, extreme bases of segments very narrowly paler, posterior two-thirds of each segment occupied by an ill-defined blackish band. Sides and venter more yellowish, unmarked. On midline of venter, just before apex of second segment, a pair of straight decumbent hairs about as long as mid tarsal setæ, with a shorter, finer pair, slightly posteriorly directed, just posterior to the first pair.

Legs: Pale yellow, unmarked, the hind tibiæ with only two ranges of setæ.

Wings: Yellowish, also veins. Halteres pale yellow.

Long: $2\frac{3}{4}$ mm.

Described from two females taken in garden, Suduganga, Matale, Ceylon, on January 16 (type) and 23, 1920.

Both in my own collection.

The absence of the third row of hind tibial setæ, though contrary to a generic character, I am not prepared to make the cause of a new genus, as so few species are yet known.

DELOPSIS PECTENIPES, sp. n.

Male.—Head, palpi, and antennæ: Yellowish, the first with pale yellow pubescence, the last with flagellar joints rather darker with pale pubescence.

Thorax: Yellowish, an elliptical black spot medianly on anterior third of dorsum, not reaching front margin, continued posteriorly as a black stripe to hind margin. On each side

an admedian black stripe, broader than the median, inclined obliquely so as to coalesce with the latter on posterior third, terminating anteriorly before the level of the median spot, and incised on outer edge at level of wing roots. Pleuræ concolorous with dorsum, slightly darker posteriorly. Scutellum and metanotum black. Bristles dark brown, a postalar, acrostichal and dorsocentral prescutellar pairs, a vertical row of four on hind margin of mesopleuron, one or two on lower edge of pteropleuron and four scutellar.

Abdomen: Yellowish with paler hairs. Dorsum of first five segments gray. A pair of very small genital lamellæ are just visible.

Legs: Pale yellow, unmarked. Hind tibiæ with only two ranges of spines, but on inner side apically there is a comb-like fan of short spines set so closely together as to appear like a plate with dentate margin.

Wings and veins: Yellowish. Halteres paler yellow.

Long: $2\frac{1}{2}$ mm.

Described from unique male in perfect condition taken on window, Suduganga, Matale, Ceylon, on April 19, 1920.

In my own collection.

DELOPSIS FERRUGINEA, sp. n.

Male.—Head: Yellowish-brown with paler hairs. Palpi and antennæ concolorous.

Thorax: Ferruginous, pleuræ concolorous, scutellum with ferruginous centre and black sides. A row of stiff yellow hairs along hind margin of dorsum and a covering of same on scutellum. Bristles brownish, a prescutellar row of six, a vertical row of five on hind margin of mesopleuron, four or five pteropleural, and four scutellar.

Abdomen: Yellow with paler hairs. Hind margin of first segment narrowly, of second to fifth broadly black, the bands extending laterally to edge of venter. Sixth segment wholly yellow. Genital lamellæ (mostly concealed) yellow.

Legs: Pale yellow. Upper edge of fore coxæ, lower edge of mid femora, and upper edges and tips of posterior tibiæ infuscated. Hind tibiæ with a small apical comb on inner side.

Wings: Yellowish-grey, the first basal, and that portion of the subcostal cell above it, infuscated. Halteres pale yellow.

Long: $3\frac{1}{2}$ mm.

Described from a unique male in perfect condition taken on window, Suduganga, Matale, Ceylon, on December 19, 1919.

In my own collection.

DELOPSIS FLAVOHIRTA, sp. n.

Male.—**Head:** Brownish-yellow, with pale yellow hairs. Palpi yellowish. **Antennæ:** scape yellow, flagellum brown.

Thorax: Blackish, yellow on fore margin, humeri, and obscurely on posterior corners of dorsum, the whole with stiff yellow hairs. Pleuræ and scutellum concolorous, with similar hairs. The usual six prescutellar bristles, two or three below humeri, a vertical row on posterior margin of mesopleuron, two or three pteropleural, and four scutellar, all brown.

Abdomen: Black with stiff pale yellow hairs, which are so thick at bases of second to fifth segments as to form distinct pale bands dorsally and laterally. Two brownish genital lamellæ, downwardly directed, are visible.

Legs: Pale yellow. Tips of all coxæ, of posterior femora and tibiæ, infuscated. A small apical comb on inner side of hind tibia.

Wings: Yellowish-gray, darker on foreborder basally. Halteres pale yellow.

Long: 3 mm.

Described from unique male in perfect condition taken on window, Suduganga, Matale, Ceylon, July 6, 1920.

In my own collection.