

THREE NEW SPECIES OF THE GENUS *CERIODES* FROM THE ORIENTAL REGION.

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(With 3 figures.)

I have received from Mr. H. SAUTER some specimens of *Cerioides* from Formosa, that belong to two species and found another in the Collection of the Hungarian National Museum from New Caledonia; all of them seem to be new to science.

I have made the following key for the determination of all the species of this genus known up to the present from the oriental and australian region, but as many of the species are known to me from descriptions only, I cannot be sure that they are correctly placed. *Cerioides relictura* WALK. and *apicata* BRUN. I could not place.

- 1 (4). Shining metallic species.
- 2 (3). Humeral calli metallic blue. — — — — — *smaragdina* WALK.
- 3 (2). Humeral calli yellow. — — — — — *metallina* v. D. WULF.
- 4 (1). Not shining metallic, but black or black and yellow coloured species.
- 5 (6). A single yellow spot in the middle of the front margin of the dorsum of the thorax. — — — — — *breviscapa* SAUND.
- 6 (5). The front margin of the thorax in the middle without a yellow spot.
- 7 (14). Pleuræ entirely black.
- 8 (9). Scutellum entirely black. wings yellow. — — — *flavipennis* MEIJ.
- 9 (8). Scutellum not entirely black, mostly narrowly yellow on the margin; upper part of the wing brown or blackish brown.
- 10 (11). Face to a large extent yellow. — — — — — *pleuralis* COQUILL.
- 11 (10). Face to a large extent black.
- 12 (13). Petiole longer than the first joint of the antennæ. *obscura* BRUN.
- 13 (12). Petiole very short, scarcely $\frac{1}{6}$ of the first joint of the antennæ.
Fruhstorferi MEIJ.
- 14 (7). Pleuræ at least with one yellow spot.
- 15 (22). Dorsum of the thorax behind the suture with two yellow stripes.
- 16 (17). Dorsum of the thorax in front of the scutellum with a yellow middle spot. — — — — — *trinotata* MEIJ.
- 17 (16). Dorsum of the thorax before the scutellum without a yellow spot.
- 18 (19). Fourth tergite entirely black. — — — — — *lateralis* WALK.

- 19 (18). Fourth tergite on the hind margin yellow.
- 20 (21). Second abdominal segment only a little longer than the first.
himalayensis MEIJ.
- 21 (20). Second abdominal segment more than twice as long as the first.
similis n. sp.
- 22 (15). Thoracic dorsum behind the suture without yellow stripes.
- 23 (30). Pleuræ with one yellow spot only.
- 24 (25). Scutellum yellow with a black spot dividing the yellow colour.
tibialis n. sp.
- 25 (24). Scutellum yellow without a black spot, at most brown on the hind margin.
- 26 (29). Petiole reddish brown.
- 27 (28). First tergite brownish yellow. — — — — — *ornata* SAUND.
- 28 (27). First tergite black. — — — — — *compacta* BRUN.
- 29 (26). Petiole black. — — — — — *australis* MACQ.
- 30 (23). Pleuræ with three yellow spots.
- 31 (32). To a large extent reddish brown coloured species. *eumenoides* SAUND.
- 32 (31). To a large extent black coloured species.
- 33 (40). The yellow hindmargin of the third tergite not or only a little dilated on the sides.
- 34 (37). Fifth tergite yellow on the hind margin.
- 35 (36). Scutellum black with a yellow margin. — — — *annulifera* WALK.
- 36 (35). Scutellum yellow with a large black triangle. — — *anchorata* BIG.
- 37 (34). Fifth tergite entirely black.
- 38 (39). Legs reddish brown; scutellum with yellow margin. *relicta* WALK.
- 39 (38). Legs black with yellow markings; scutellum with a large black spot.
javana WIED.
- 40 (33). The yellow hindmargin of the third tergite dilated triangularly on the sides. — — — — — *annulata* n. sp.

1. *Cerioides similis* n. sp. ♂ ♀. Fig. 1.

Vertex black, moderately shining; in the male whitish, in the female brownish-yellow, haired. Back of head with whitish-grey pubescence. Frons shining black, with two large yellow spots next to the eyes covered with short yellow (♀) or white (♂) pubescence. The frons in the female is in the upper part excavated at the sides and therefore a ridge runs from the ocellar triangle to the petiole; the excavated places are wrinkled; the ridge smooth. Face yellow with a black middle-stripe; at its broadest point as broad as the base of the petiole. Between the petiole and the eyes a black transverse line. Cheeks black, behind the eyes a reddish-yellow spot. The petiole longer than the first joint of the antennæ, backish-brown, the first two joints of the same colour, the third reddish-brown, all being about equal in length; terminal style white, brown at the base.

Thorax black, very densely and finely granulated, the dorsum dull, short sandy-red haired, pleuræ moderately shining, the hairs yellowish. Humeri, a round spot in front of the wings and a stripe at the sides behind the yellow marked suture are all yellow.

Abdomen moderately shining, very densely and finely granulated. First segment black, with yellowish pubescence and long whitish hairs at the sides; second much contracted, as long as the other segments together, reddish-brown, blackish granulated, the hind-margin yellow and in front of it a somewhat broader black cross-band; third and fourth segments black, the pubescence yellowish, hind-margins yellow; fifth all black. Belly black, but the hind-margin of the first and all the second segment reddishbrown, the hind-margin of the second and third narrowly yellowish.

Legs reddish-brown, femora darker at the basis and some traces of a dark ring in the middle of the tibiæ. Hind femora with little warts beneath which become small thorns towards the tip. The last tarsal joint on the upper-side more or less blackish-brown.

Fig. 1. *Cerioides similis* n. sp. ♀, head.

Wings yellowish, dark brown on the costal border, blackish at the tip. The boundaries of the brown colour are: the lower basal cell, the «vena spuria» and the upper part of the subapical cell. The loop of the subapical cell without a veinlet. Squamæ and halteres yellow.

Length (exclusive of petiole and antennæ): 15—20 mm; wings: 10—14.5 mm.

Two males and two females from Formosa, Kosempo (4 and 25. IV. 1908), Fuhosho (VII. 1909) and Toyenmongai. (Mus. Hung.)

2. *Cerioides tibialis* n. sp. ♀. Fig. 2.

Vertex and frons black, the upper part of the latter with a depression each side and therefore a slight ridge runs from the ocellar triangle to the petiole. Back of head greyish pollinose and yellowish haired. Face yellow with a broad middle stripe and without a transverse line between the petiole and the eyes. Cheeks black, below behind the eyes a reddish-yellow spot. Petiole black, shorter than the first joint of the antennæ, which is shorter than the second and third together; the second is the shortest; all of them black except the third which has traces of brown; terminal style black, acuminate.

Thorax black; dorsum moderately shining, very densely and finely granulated, præscutellar callus reddish-brown; pleuræ shining. Humeri, præalar callus and a broad vertical band on the mesopleura yellow. Suture brownish-grey pollinose. Scutellum yellow, divided by a broad black middle stripe.

Abdomen black, moderately shining, more densely and finely granulated than the thorax, bearing whitish pubescence. First segment with a lateral yellowish-white callus at the base and long white hairs at the sides; the second not contracted, broader at the hind-margin than in front, not twice so long as the first; the yellow hind-margin somewhat broader on the second than on the third segment. Belly shining-black, with scarcely visible whitish pollen, second and third segments with yellowish hind margins.

Legs reddish-brown, femora and tarsi darker, tibiæ broadly yellowish at the base. Hind femora with small thorns beneath.

Wings yellowish-hyaline, brown from the costa to the «vena spuria» and to just beyond the third longitudinal vein. The lower part of the middle basal cell clear. The loop of the subapical cell without a veinlet. Squamæ white, halteres yellow.

Fig. 2. *Cerioides tibialis* n. sp. ♀, head.

Length (exclusive of petiole and antennæ): 14 mm; wings: 10.5 mm. (One female from New Caledonia. (Mus. Hung.)

3. *Cerioides annulata* n. sp. ♂ ♀. Fig. 3.

Vertex black; frons black, that of the females without lateral depressions and without a ridge between ocellar triangle and petiole; a rounded spot next the eyes between the yellow colour and vertex, deep dull black. Back of the head yellowish pollinose. Face extremely fine granulated, yellow, with a broad black middle stripe not reaching the mouth. The transverse line between petiole and the eyes either missing or only indications of its present. Cheeks black. The petiole as long as the first two joints of the antennæ, reddish-brown beneath, black at the upper side. First joint of the antennæ somewhat longer than the second; second and third equal in length; terminale style remarkably long and slender.

Thorax black; dorsum moderately shining, very densely and finely

granulated, with an abbreviated greyish-brown middle stripe bordered with black; both stripe and border very faint; humeral and præalar calli yellow, suture yellow marked. Scutellum yellow, intersected by a broad black stripe. Pleuræ with three yellow spots: a vertical one on the mesopleura, a triangular one on the pteropleura and a larger round one on the sternopleura.

Abdomen very densely and finely granulated, black, the second segment in the middle blackish-brown; tomentum yellowish. The lateral basal calli and the sides at the base of the first segment yellow; the hind margins of the second, third and fourth yellow, dilated at

the sides, especially on the third and fourth. Belly black, middle of the first segment yellow as also the hind margins of the second and third.

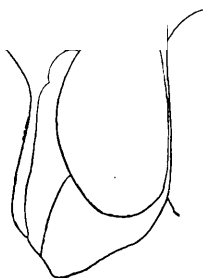


Fig. 3. *Cerioides annulata* n. sp. ♀, head.

Legs brown, the femora darker; front and middle femora predominantly yellow on the outside; hind femora with a yellow ring at the middle, which is not complete but interrupted by the blackish colour above clothed

with long white hairs below and a few small thorns at the tip only; hind tibiæ slender at the base, but suddenly thickened at the middle.

Wings pale smoky-brown; from the costa to the «vena spuria» and to just beyond the third longitudinal vein dark smoky-brown; the fifth longitudinal vein of the same colour; the lower part of the first basal cell almost hyaline. The loop of the subapical cell without a veinlet. Squamæ and halteres yellow.

Length (exclusive of petiole and antennæ): 22—27 mm; wings: 13—18 mm.

Five males and three females from Fuhosho (VII. 1909), Suihenkyaku (VIII. 1908), Kanshirei (1908) and Toyenmongai. (Mus. Hung.)