NEW SPECIES OF *OMMATIUS* FROM AMERICA, WITH KEY.

(ASILIDÆ, DIPtera)

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In the 'Kertesz Catalogue' twelve species of *Ommatius* Wiedemann and one *Emphysomera* Schiner are listed from America, while two have been described by Banks. *O. tibialis* Say has been placed as a synonym of *marginellus* Fabricius, but is distinct. We therefore have fifteen described species belonging to the genus *Ommatius*, since there is no character of value separating *Emphysomera*. The collection of The American Museum of Natural History contains representatives of seven species not yet described and descriptions of these are now presented. A key to the species available is given, but it is not possible to include all the described species since several of the characters used in their separation are not mentioned in the original descriptions.

**Table of Species**

1. Posterior tibia yellowish or reddish on basal fourth or more ................. 2.
   Posterior tibia wholly brown .................................. 15.
2. Without pteropleural bristle ................................ 3.
   With a pteropleural bristle .................................. 14.
3. With a pair or marginal scutellars .............................. 4.
   Without marginal scutellars ................................ 9.
4. Middle tarsi wholly black or brown .............................. 5.
   Middle tarsi with the first segment mostly yellow .......... 7.
5. Middle tibia black on the lower surface .............................. *orenoquensis* Bigot?
   Middle tibia mostly yellowish ................................. 6.
6. Second posterior cell narrowed near its apex .................... *amula*, n. sp.
   Second posterior cell not at all narrowed .................... *norma*, n. sp.
7. Middle tarsi almost wholly reddish .............................. *pretiosus* Banks.
   Apical four segments of middle tarsi brown or black .......... 8.
8. Posterior femora with setigerous tubercles only on the anteroventral surface
   (in female; male without coarse bristles) ...................... *neotropicus*, n. sp.
   Posterior femora with setigerous tubercles on antero- and posteroventral
   surfaces .................................................................. *marginellus* Fabricius.
9. Middle femora with one or more coarse black bristles below .......... 10.
   Middle femora with only fine hair-like bristles below .......... 12.
10. Mesonotum with longish white hair posteriorly in addition to the dorsocentral
    hairs or bristles .................................................. *tibialis* Say.
    Mesonotum with scarcely a trace of hair posteriorly .......... 11.
11. Anterior four femora mostly black........................................willistoni, n. sp.
Anterior four femora reddish.............................................spatulatus, n. sp.
Supra-alar bristle white (Arizona)........................................maculatus Banks.
13. Genitalia of both sexes reddish.......................................ruficaua, n. sp.
Genitalia of both sexes shining black.................................pulchra Engel.
14. Posterior tarsi wholly brown or black..............................exilis, n. sp.
Tarsi wholly reddish yellow.............................................pilosus Bigot.
15. Legs wholly black (Mexico)...........................................parvus Bigot.
Legs mostly yellowish (S. A.)...........................................apicalis Schiner.

Ommatius norma, new species

Blackish, the legs largely reddish. Length, 8 to 12 mm.

FEMALE.—Face and upper part of occiput brassy yellowish, cheeks and lower part of occiput grayish, the front brownish. Front wider than face, slightly widening above. Hair of head with yellowish tinge, the frontal bristles, occipital cilia and the bristles of the mystax, black, the hair of the mystax extending far on to the face in two or four rows. Antennae black, the third segment two and one-half times as long as wide.

Mesonotum brownish pollinose, the lateral and posterior borders brownish gray; pleura and scutellum grayish pollinose, the mesopleura and broad base of scutellum with brown tinge. Hair and bristles of the mesonotum and the scutellar bristles, black; hair of pleura and scutellum fine, whitish. Pteropleura with fine, scattered hairs.

Coxae blackish, gray pollinose. Femora reddish, the posterior pair blackish on apical half or more, the middle pair blackish on apical half except below, the anterior pair blackish on upper surface; tibiae yellow, the apical fourth to third of the anterior four and the apical half of the posterior pair brown, the tarsi wholly brown. Middle femora with long yellowish hair below, on the basal half of the anteroventral surface with one or two rather fine black bristles, the anterior surface with two or three black bristles. Posterior femora with five or six setigerous tubercles on the anteroventral surface and one near the apex on the posteroventral surface, the bristles black.

Wings cinereous hyaline, grayish on apical fourth and the broad posterior margin of the apical third.

Abdomen subshining, thinly brownish pollinose, the apices of the segments and the venter, grayish. Hair very short, yellowish, blackish on the disc of the apical two or three segments.

MALE.—Femora more extensively brown, all more or less strongly swollen, the middle pair with a row of black bristly hairs on the anteroventral surface.

Ommatius neotropicus, new species

Blackish, the legs reddish yellow; costa not dilated in male. Length, 8 to 10 mm.

M A L E.—Head grayish pollinose, face with yellow tinge, the front brown. Hair of head whitish, the occipital cilia and about six bristles in the mystax black. Antennae black, the third segment subcordate, about one and one-half times as long as wide.

Mesonotum black, thinly brownish pollinose, the lateral and posterior borders with grayish pollen. Pleura and scutellum gray pollinose, the mesopleura and base of scutellum with brown tinge. Hair whitish; bristles black, scutellum with pair of marginal bristles and usually several whitish hairs on the disc; hypopleural bristle absent.

Coxae brownish, gray pollinose; apex of each femur broadly brown above, apical third of posterior tibiae, usually the apex of the middle pair and the tarsi, brown, the anterior four tarsi with the basal segment chiefly yellow. Femora somewhat swollen, the middle pair with yellow hair below and two black bristles on the apical third of the anterior surface; posterior femora with yellow hair below, without bristles.

Winge cinereous hyaline, the apical third grayish. Squamae whitish, halteres yellow.

Abdomen black, somewhat shining, thinly brownish pollinose above, the incisures more or less distinctly, the lateral margins and the venter, gray pollinose. Hair yellowish, short, appressed, on the dorsum of the apical two or three segments and the genitalia, black, yellowish on the red portions of the genitalia. Genitalia black on basal half, the apical half reddish.

F E M A L E.—Middle femora with two black, anteroventral bristles; posterior femora with a row of five anteroventral bristles arising from low tubercles and with two or three weak, black bristles on the posteroventral surface. Genitalia black.


Ommatius willistoni, new species

Black, the legs largely yellowish; abdomen not coarctate. Length, 13 mm.

F E M A L E.—Head whitish pollinose, the front and occiput more grayish. Hair and bristles whitish, about six black occipital cilia on either side. Antennae black, the third segment subcordate, not one and one-half times as long as wide.

Mesonotum moderately brown pollinose, the sides, posterior border and pleura grayish. No scutellar or dorsoventral bristles. Pleural hair whitish.

Coxae and femora black, the former gray pollinose, the tips of all the femora and the under surface and base of the posterior pair, reddish; tibiae yellowish with the apices broadly brown; tarsi brown with the basal segment brownish red. Middle femora with two anteroventral bristles situated before the middle, and three anterior bristles, two of them low down on the apical half, the third near the base. Posterior femora with five black bristles arising from tubercles on the apical two-thirds of the
anteroventral surface and several short, weak bristles on the posteroventral surface. Hair whitish.

Wings hyaline, the stigma brown. Squamae yellow, with white fringe. Halteres yellow with brownish-red knob.

Abdomen black, brownish pollinose above, the lateral margins, posterior segmental fasciae and the venter, grayish pollinose. Hair yellowish, blackish on the disc of the segments. Genitalia reddish.

**Holotype.**—Female, Tepetlapa, Guerrero, Mexico, 3000 ft., Oct., (H. H. Smith), in American Museum of Natural History.

**Ommatius spatulatus,** new species

Blackish; abdomen spatulate, less strongly so in female; costa of male dilated. Length, 12.5 mm.

**Male.**—Head grayish yellow pollinose, the front more brownish; hair white; occipital cilia, ocellar bristles and two or four of the bristles in the upper part of the mystax, black. Antennae black, the third segment slightly more than twice as long as wide.

Mesonotum black, brown pollinose, a pair of slender, dorsocentral vitta, brownish red, the lateral and posterior borders, yellowish, the pleura and scutellum grayish pollinose, the mesopleura with brownish tinge above. Scutellar and dorsocentral bristles absent; no pteropleural bristle.

Legs reddish, the femora brownish red except below and basally, the posterior tibiae brownish red on apical third, the middle pair on apical fifth or less; tarsi brownish red, the basal segment and the tibiae, at least above, yellowish. Middle femora with one anteroventral and three or four posteroventral bristles on basal half; posterior femora with four or five anteroventral and posteroventral whitish bristles arising from low tubercles. Hair pale yellowish.

Wings with an extensive yellowish brown cloud behind the stigma, the apex grayish, the basal two-fifths hyaline. Squamae with yellowish border. Halteres yellow.

Abdomen black, the apical segments shining, moderately brown pollinose, the lateral margin, broad apices of the first to fourth segments, and the venter, grayish pollinose, the brown pollen restricted to form oval spots on the second and third segments. Pile yellowish, black on the brown pollinose areas. Genitalia reddish brown.

**Female.**—Differs only sexually; valves of ovipositor reddish.

**Types.**—Holotype, male, August; allotype, female and paratype male, Rio de Janeiro, Brazil, Nov., (Williston Coll.), in American Museum of Natural History.

**Ommatius amula,** new species

Blackish, the abdomen slightly coarctate; tibiae yellow. Length, 12 mm.

**Female.**—Head grayish yellow pollinose, the front more golden; hair of the front, the occipital cilia and four pairs of bristles in the mystax, black. Antennae black, the third segment twice as long as wide.

Mesonotum brown pollinose, with a pair of slender, yellowish vitta, the lateral margins and posterior border, yellowish; pleura grayish pollinose with yellow tinge above. Mesonotal hair black; pleura and scutellum white-haired, the scutellum with a pair of black marginal bristles; three pairs of dorsocentrals.
Legs black; anterior and middle femora below and the narrow base of all the femora, castaneous, the anterior pair with a yellowish spot apically on the under surface; tibiae yellow, the apical third of the posterior pair and the apical fifth of the anterior four, brown; tarsi wholly brownish. Hair of legs yellowish. Middle femora with two black, anteroventral bristles, the posterior pair with seven anteroventral and five posteroventral bristles arising from low tubercles, the bristles on the apical half black, the others whitish.

Wings hyaline, the apical fourth grayish; stigma brown. Squamæ and halteres yellowish.

Abdomen brownish pollinose, the broad lateral margins, posterior fasciæ on the basal six segments and the venter, with gray pollen. Eighth segment wholly, the seventh on the sides and apex, shining. Hair yellowish, black on the disc of the abdomen. Genital valves reddish.

_Holotype._—Female, Amula, Guerrero, Mexico, September, 6000 ft., (H. H. Smith), in American Museum of Natural History.

**Ommatius exilis**, new species

Blackish; legs reddish yellow; bristles of abdominal segments reddish; costa not dilated. Length, 11 to 14 mm.

_Male._—Face and front golden pollinose, the occiput gray; pile whitish; four bristles in the mystax above, the ocellar bristles and occipital cilia black. Antennæ brown, the third segment subcordate, a little more than one and one-half times as long as wide.

Thorax black, gray pollinose, the mesonotum mostly dull black with thin brownish pollen. The blackish color forms three narrowly separated vittæ, abbreviated behind, the outer vitta abbreviated in front, the middle one with a small, elongate, posteriorly tapering gray spot in the middle anteriorly. Hair and bristles of the dorsum and the scutellar bristles, black, elsewhere whitish. Pteropleural bristle white.

_Coxæ_ black, gray pollinose; anterior four femora with a broad brown vitta on upper part of anterior surface, the posterior pair brown on apical two-fifths; middle tibiae on apical fifth, the posterior pair on the apical third and the tarsi, brown, the basal segment of the anterior four tarsi, yellowish. Middle femora with two weak, anteroventral bristles. Posterior femora with a row of seven or eight short bristles arising from tubercles on anteroventral surface, the basal two or three white, on the posteroventral edge with three small bristles apically and two basally.

Wings grayish on apical half. Squamæ and halteres yellowish.

_Abdomen_ brownish pollinose, the sides broadly and the venter gray. Pile pale yellowish, black on the disc of the apical two or three segments. Genitalia brownish red.

_Types._—Holotype, male, and paratype, male. Chapada, Brazil, (Williston Coll.), in American Museum of Natural History.

**Ommatius ruficauda**, new species

Blackish brown; costa simple; abdomen slightly spatulate. Length, 10 to 11 mm.

_Male._—Head yellowish pollinose; pile of face yellow, of the occiput white; occipital bristles and orbital cilia black. Antennæ blackish, the third segment missing.
Mesonotum grayish pollinose, with three very broad black vittae which are very narrowly separated from each other, the outer two as broad as long, interrupted at the suture and abbreviated in front and behind, the middle one abbreviated posteriorly. Dorsocentrals yellow, scutellar and pteropleural bristles absent; mesonotum posteriorly and the pleura, yellowish-white haired.

Coxae blackish, gray pollinose; legs reddish yellow, anterior four femora with broad brownish vittae on upper part of anterior surface, the posterior pair with the apical fourth brownish except below; apical fifth of posterior tibiae and the apical three segments of all the tarsi, brownish, the first and second segments with the tips brown. Middle femora with yellow bristly hairs below, posterior femora with a row of eight to ten black anteroventral bristles arising from low tubercles, and three or four near apex and one at base on the posteroventral surface.

Wings tinged with brown. Squamae and halteres yellowish.

Apices of abdominal segments, the broad lateral margins and the venter, gray pollinose. Pile yellowish tinged, black on disc of apical three segments. Genitalia reddish.

FEMALE.—Mystax with four black bristles above. Middle femora with two yellow, anteroventral bristles; posterior femora with a row of eight black bristles arising from tubercles on anteroventral surface.

TYPES.—Holotype, male, allotype, female, Chapada, Brazil, (Williston Collection), in American Museum of Natural History.