

- fimbriate. Anterior and posterior femora ♀ feebly fimbriate.  
 Atl. Sts.—S. Dak., ..... *æqualis* Gyll.  
 Body covered with thin, less dense coating, shining throughout.  
 Thoracic vittæ *black*, less elevated; median wider at base than at apex; lateral without distinct indication of branch; interspaces and sides with *shallow* nearly uniform punctures. Scutellum not coated, shining black.  
 Elytral striæ with smaller shallow, *oval* punctures.  
 Metasternum, first and second ventral ♂ naked or feebly villous; interior surface of anterior and posterior femora ♂ feebly fimbriate as in ♀ *æqualis*. Posterior femora ♀ glabrous. Utah Mex. .... *ochreus* Lec.

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NEW CULICIDÆ FROM THE WEST INDIES AND CENTRAL AMERICA.

By D. W. COQUILLET.

The following new forms of mosquitoes were found among a very valuable collection made in the West Indies and Central America during the past summer by Messrs. August Busck and Frederick Knab, under the direction of Dr. L. O. Howard. Quite a large proportion of the species were bred from the larva state.

**Tæniorhynchus flaveolus**, new species.

Scales of proboscis yellow and with several black ones intermixed, those of the palpi mixed yellow and black, with a band of white ones at the sutures of the joints; palpi slightly widening at the apex; appressed scales of the occiput light yellow, the numerous upright ones brown. Body yellowish, scales of mesonotum and scutellum light yellow, the hairs black, scales of abdomen golden yellow, a few black ones on the first three and the last segment. Scales of legs mixed yellow and black, not forming distinct spots or bands, those on the apices of the joints of the middle and hind tarsi wholly black, on the broad bases of the last four joints white; claws of front and middle tarsi with a tooth under one of the claws, none under the other, hind tarsal claws simple. Wings hyaline, the scales oval, mixed black and yellow, not forming distinct spots. Length nearly 5 mm.

St. Thomas, W. I. A male specimen collected by Mr. A. Busck.

*Type*.—No. 8288, U. S. National Museum.

**Mansonia fascipes**, new species.

Distinguished by the coloring of the hind tarsi. Scales of palpi mixed

black and yellow, those on the apex white. Scales of proboscis mixed black and yellow and with several white ones beyond its middle, almost forming a band. Scales of occiput light yellow, those along the sides white, the upright ones chiefly brown. Thorax brown, its scales golden yellow. Abdomen purple-scaled, a patch of pale yellow ones near middle of sides of each segment; venter black-scaled, front angles of the segments whitish-scaled. Femora and tibiæ black-scaled and with many patches of light yellow ones, the under side of the hind femora and inner side of their tibiæ chiefly yellow-scaled; front and middle tarsi black-scaled, the first joint with many small patches of yellow ones, both ends of the first three joints and the whole of the last two, yellow-scaled; hind tarsi the same except that the third joint is wholly yellowish-scaled; tarsal claws simple. Wings hyaline, the scales black, yellow, and white, the latter collected into about seven spots, several narrow lateral scales on most of the veins. Length 5 mm.

Puntarenas, Costa Rica. Four females collected by Mr. F. Knab.

*Type*.—No. 8296, U. S. National Museum.

#### **Gymnometopa**, new genus.

Near *Stegomyia*, but the clypeus is wholly bare and the scutellum bears many narrow scales in addition to the broad ones. Scales of occiput broad, appressed and with several narrow, forked, nearly erect ones. Scales of legs appressed. Venation normal, the lateral scales of the veins rather narrow. Palpi of the male about as long as the proboscis, those of the female less than one-third as long.

*Type*: *Stegomyia mediovitata* Coq., from the West Indies.

The larva differs widely from that of *Stegomyia fasciata* in having many spreading tufts of rather long hairs scattered over the body, nearly as in the genus *Uranotænia*. *Stegomyia busckii* Coq. and *S. sexlineata* Theob. also belong to this new genus.

#### **Gymnometopa albonotata**, new species.

Like *busckii*, the only apparent differences being the presence of a silvery dot in middle of front margin of the mesonotum, and a distinct white band at base of first two joints of the front and middle tarsi and of each joint in the palpi of the male; the broad apices of the palpi of the female are white-scaled.

San Francisco Mts., Santo Domingo, West Indies. Five males and three females collected by Mr. A. Busck.

*Type*.—No. 8297, U. S. National Museum.

Dr. Dyar informs me that the larva is readily separable from that of *busckii*.

#### **Culex knabi**, new species.

Proboscis and palpi black-scaled; head, thorax and scutellum yellow,

their scales and hairs golden yellow, pleura with a few patches of white scales. Abdomen purple-scaled, front angles of the segments yellow-scaled; venter yellow-scaled and with an apical band of purple ones on the last four segments. Femora and tibiae purple-scaled, the basal half of the hind femora and the bases of the others, especially on the posterior side, yellow-scaled; bases of the first three tarsal joints white-scaled, covering nearly the whole of the first two joints on the middle and hind tarsi, scales on remaining portions of tarsi purple; all tarsal claws toothed. Wings hyaline, the scales brown. Length 5 mm.

Tehuantepec, State of Oaxaca, Mexico. Seven females collected by Mr. Frederick Knab, for whom this elegant species is named.

*Type*.—No. 8289, U. S. National Museum.

**Culex bracteatus**, new species.

Near *confirmatus*, but the patch of scales on median portion of anterior half of the mesonotum is golden brown, instead of whitish. Proboscis and palpi brown-scaled, occiput brassy-yellow-scaled and with a patch of brown ones on each side. Scales in middle of anterior two-thirds of the mesonotum golden brown, those along the sides and on posterior third of the mesonotum deep brown, the latter intermixed with brassy-yellow ones. Abdomen black-scaled, a narrow band of whitish ones at base of each segment, expanded into lateral spots on the last three segments, venter whitish-scaled, the black of the dorsum encroaching on the hind angles of the first five segments. Legs black-scaled, the bases and large portion of the underside whitish-scaled; claws of front and middle tarsi toothed, those of the hind ones simple. Scales of wings brown. Length 3.5 mm.

Habana, Cuba. Four females collected by Mr. J. R. Taylor.

*Type*.—No. 7753, U. S. National Museum.

**Verrallina laternaria**, new species.

Scales of proboscis black, palpi of male about as long as the proboscis, their hairs and scales black; occiput densely white-scaled and with a patch of black ones each side. Mesonotum densely covered with white scales, its bristles and those of the scutellum yellow. Abdomen black-scaled, a patch of white scales in the front angles of each segment, largest on the last three segments. Legs black-scaled, the apices of the middle femora and whole of the hind ones, except the base and a band before the apex, white-scaled; both ends of the first joint of the middle and hind tarsi, covering nearly the entire joint on the middle tarsi, and base of the second joint, white-scaled; claws of front and middle tarsi with one tooth under one of the claws, none under the other, claws of hind tarsi simple. Wing-scales brown. Length 3.5 mm.

Trinidad, West Indies. Five males collected by Mr. August Busck.

*Type*.—No. 8290, U. S. National Museum.

The genus *Verrallina* Theobald was founded on female specimens only and was referred by its author to the sub-family *Aëdeomyinæ*, but the present species clearly belongs to the *Culicinæ*.

**Tinolestes**, new genus.

Near *Aëdes*, but the lateral scales of the veins of the wings are much broader and the palpi in the male much longer. Hairs of antennæ of male long and abundant, in the female short and sparse. Palpi of male nearly twice as long as the head, almost one-half as long as the proboscis, those of the female about as long as the head, less than one-sixth as long as the proboscis. Appressed scales of occiput narrow, a patch of broad ones each side, numerous upright forked scales on the occiput. Scales of scutellum very narrow, metanotum bare. Lateral scales of veins of wings broadly oblanceolate, a few nearly linear ones on basal half of wings.

*Type*: The following species:

**Tinolestes latisquama**, new species.

Scales brown, the appressed scales of the occiput, venter, front angles of abdominal segments, coxæ, and under side of the femora at their bases, yellow. Front and middle tarsal claws of male with one tooth under one of the claws, none under the other, claws of the hind tarsi and all claws in the female simple. Length 3 mm.

Port Limon, Costa Rica. Seven males and five females collected by Mr. F. Knab.

*Type*.—No. 8298, U. S. National Museum.

**Micraëdes**, new genus.

Near *Aëdes*, but the palpi much longer in both sexes. Palpi noticeably longer than the head, about one-third as long as the proboscis, apparently two-jointed, the apical joint slightly longer than the basal. Hairs of male antennæ much longer and more numerous than in the female. Clypeus bare. Occiput covered with narrow, curved scales and with many upright forked ones, the lateral portions covered with very broad, appressed scales. Scutellum bearing very narrow scales and six bristles on the median lobe. Scales of legs appressed. Venation normal, hind cross-vein over twice its length before the small, the lateral scales of the veins very narrow.

*Type*: The following species:

**Micraëdes bisulcatus**, new species.

Scales of palpi and proboscis black, those of the occiput yellow. Mesonotum brown-scaled, a pair of subdorsal bare lines on its anterior three-fourths. Abdomen black-scaled, the front angles of the segments whitish-

scaled. Scales of the legs black, those on under side of femora basally whitish; claws of the front and middle tarsi of the male with a tooth under one claw, none under the other, those of the hind feet simple; female with all the claws simple. Scales of wings brown, Length about 3 mm.

Guadeloupe and Santo Domingo, West Indies. Two males and one female, collected by Mr. A. Busck.

*Type*.—No. 8291, U. S. National Museum.

The larva differs widely from that of *Aedes fuscus*; the body bears many large clusters of rather short, stiff hairs, and there are about eight tufts on the breathing tube.

### **Sabethoides undosus**, new species.

Near *confusus*, but the dorsum of the abdomen is not white-scaled in the front angles of the segments. Scales of proboscis and palpi purple, those of the occiput violet-purple, a large patch of white ones each side. Mesonotum and scutellum mixed metallic blue-, green-, and coppery-scaled, the humeri violet-scaled, the lower portion whitish, scales of pleura white. Abdomen purple-scaled, scales of venter white or yellowish, the upper border wavy. Legs purple-scaled, the lower side of the femora and inner side of the tibiæ brassy-yellow-scaled; tarsal claws simple. Wings hyaline, the scales brown. Length 3 mm.

Trinidad, W. I. Ten specimens collected by Messrs. F. W. Urich and A. Busck.

*Type*.—No. 8292, U. S. National Museum.

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## A NEW MYRMELEONID FROM THE UNITED STATES.

BY ROLLA P. CURRIE.

### **Brachynemurus irregularis**, new species.

♀.—Hardly slender, yellowish, marked with light brownish; with black hairs, especially on the abdomen. Face yellowish, brownish above; inter-antennal mark rather short, emarginate, bordering the antennæ in front and sending a median line to the clypeus. Labrum about twice as wide as long, yellowish, rounded anteriorly. Palpi subequal, slender, cylindrical, yellowish, the last joint of each tinged with brownish piceous apically; last joint of labial palpi slender fusiform. Under parts of head yellowish; maxillary palpigers piceous at elbow (faintly) and near apex; a piceous clouding on each side of gula. Antennæ considerably shorter than head and thorax, strongly clavate, fuscous, articulations yellowish; joints 1 and 2 piceous, with yellowish articulations, 1 set in a yellowish ring. Vertex yellowish, with a pale brownish median stripe along longitudinal furrow, embracing a median fuscous spot on each side.