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ON SOME RECORDS OF DIPTERA EMPIDIDAE AND HYBOTIDAE FROM
JAMAICA WITH DESCRIPTION OF *HEMERODROMIA SUBEDENTULA* N. SP.
(INSECTA, DIPTERA, BRACHYCERA)

Riassunto. *Su alcune segnalazioni di ditteri Empididae e Hybotidae della Jamaica con descrizione di Hemerodromia subedentula n. sp. (Insecta, Diptera, Brachycera).*

Viene riportato un elenco di sette specie di ditteri Empididae e Hybotidae raccolti in Jamaica. Cinque specie sono nuove per la Jamaica: *Crossopalpus xanthopodus* (Williston, 1896); *Euhybos derodactylus* Melander, 1928; *Platypalpus uncinatus* Melander, 1928; *Tachyempis capnodes* Melander, 1928; *Tachyempis gagatina* Melander, 1928 (fam. Hybotidae). Viene descritta una nuova specie di *Hemerodromia* Meigen, 1822: *Hemerodromia subedentula* n. sp. simile a *H. edentula* Collin, 1933, da cui differisce principalmente per la presenza di tre macchie brune nell'area dorsocentrale del torace (assenti in *H. edentula*), lo scutello giallo (nero in *H. edentula*), nonché per la morfologia dei genitali maschili.

Summary. A new species of *Hemerodromia* Meigen, 1822 (family Empididae) is described: *Hemerodromia subedentula* sp. n. It is related to *H. edentula* (Collin, 1933), from which it differs in having three brownish spots on the dorsocentral area of the thorax (lacking in *H. edentula*), yellow scutellum (black in *H. edentula*), as well as in the morphology of male terminalia. The following five species are reported from Jamaica for the first time: *Crossopalpus xanthopodus* (Williston, 1896); *Euhybos derodactylus* Melander, 1928; *Platypalpus uncinatus* Melander, 1928; *Tachyempis capnodes* Melander, 1928; *Tachyempis gagatina* Melander, 1928 (family Hybotidae).

Keywords: Diptera, Empididae, Hybotidae, new species, faunistic records, Jamaica.

INTRODUCTION

Several specimens of Diptera Empididae and Hybotidae, collected by Prof. Walter Rossi in Jamaica, are reported in this note.

The taxonomy is according to PHILIPPI (1865), WILLISTON (1896), BEZZI (1909), MELANDER (1918, 1928), CURRAN (1928), COLLIN (1933), SMITH (1962, 1963, 1967), ROGERS (1983), YANG et al. (2007) and SAIGUSA (2010).

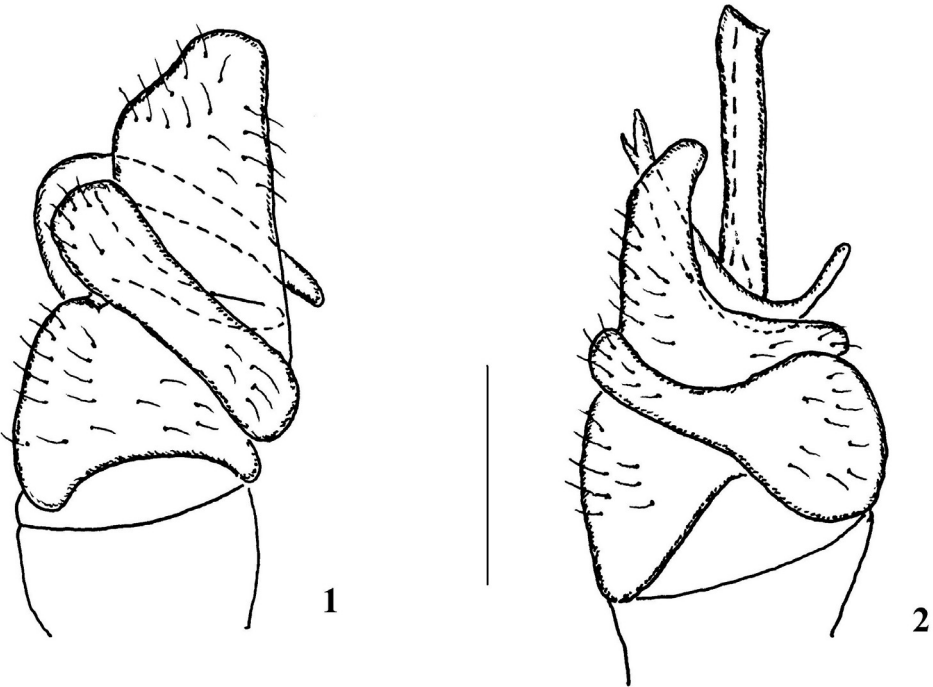
All specimens are stored in the dipterological collection of the Venice Natural History Museum, Italy.

LIST OF THE SPECIES

Empididae

Hemerodromia subedentula n. sp.

Type material. Holotype ♂ from Jamaica, Blue Hole, 30.VII.1993, Walter Rossi leg.. Holotype laterally micropinned.



Figs. 1-2. 1: *Hemerodromia edentula* Collin, 1933, external male terminalia; 2: *Hemerodromia subedentula* n. sp. (Holotype: Jamaica, Blue Hole), external male terminalia. Scale bar: = 0.1 mm.

Description of the male

Body length: 2 mm.

Head: shining black; vertical, occipital and genal area grey microtomentose; gena with sparse silvery hairs; frons and face silvery microtomentose; 2 small ocellar and 1 small vertical setae; antenna yellow with small, almost indistinct, yellow stylus; flagellomere ovate, 1 ½ longer than wide.

Thorax: shining tawny yellow, thinly dusted greyish, with a median brownish stripe on acrostichal area, beginning narrowly on the prothoracic collar, gradually widening out to the width of the scutellum; dorsocentral area with three small brownish spots; scutellum yellow; pleura entirely yellow with yellow microtomentum. Chaetotaxy: 1 row of small, yellow acrostichal setulae; 1 row of irregular, yellow dorsocentral setulae; 2 notopleural setae; 1 pre-alar and 1 supralar yellow seta; legs yellow, with sparse yellow hairs; forefemur brownish dorsally, with 2 rows of short, brown ventral spines; wing pale yellow; yellow halter.

Abdomen: yellow with sparse yellow hairs; anterior margin of tergites brown.

Male terminalia: hypandrium subtriangular; epandrium wide basally, narrow apically; surstylus short and apically acute; phallus horizontal, as long as hypandrium and epandrium together.

Comparative remarks. *Hemerodromia subedentula* n. sp. is similar to *H. edentula* Collin, 1933 in having the head black, thorax and pleura yellow, and a brown stripe along the acrostical area. It differs from the latter species mainly in having three brownish spots on dorsocentral area of thorax (lacking in *H. edentula*), yellow scutellum (dark in *H. edentula*), the shape of male terminalia with epandrium wide basally and narrow apically, surstylus short and acute (wide and subtriangular in *H. edentula*) and the straight phallus (recurved in *H. edentula*) (figs. 1-2).

Derivatio nominis. For the similarity to *Hemerodromia edentula*.

Hybotidae

Crossopalpus xanthopodus (Williston, 1896)

Jamaica, Mandeville, 28.VII.1993, 2 ♀♀.

Distribution: Winward Is., St. Vincent. New for Jamaica.

Elaphropeza simplicipes Melander, 1918

Jamaica, Hope River near Kingston, 30.VII.1993, 2 ♀♀, 2 ♂♂.

Distribution: Jamaica, Montego Bay, Balaclava.

Euhybos derodactylus Melander, 1928

Jamaica, Blue Hole, Portland Parish, 30.VII.1993, 1 ♂.

Distribution: Costa Rica (La Suiza de Turrialba). New for Jamaica.

Platypalpus uncinatus Melander, 1928

Jamaica, Blue Hole, 30.VII.1993, 1 ♀.

Distribution: Costa Rica (La Suiza de Turrialba). New for Jamaica.

Tachyempis capnodes Melander, 1928

Jamaica, Blue Hole, 30.VII.1993, 2 ♀♀.

Distribution: Costa Rica (La Suiza de Turrialba). New for Jamaica.

Tachyempis gagatina Melander, 1928

Jamaica, Blue Hole, 30.VII.1993, 1 ♂.

Distribution: Costa Rica (La Suiza de Turrialba). New for Jamaica.

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