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**ON SOME SPECIMENS OF DIPTERA  
HYBOTIDAE AND EMPIDIDAE  
FROM TURKEY AND IRAN**

(Insecta Diptera Brachycera)

**Riassunto**

[Su alcuni ditteri Hybotidae e Empididae di Turchia e Iran]

Viene fornito un elenco di 13 specie di ditteri brachiceri (famiglie Hybotidae e Empididae) raccolti in Turchia e Iran. *Platypalpus verralli* (Collin, 1926), *Crossopalpus minimus* (Meigen, 1838) (Fam. Hybotidae), *Hilara cothurnata* Engel, 1941, *Hilara manicata* Meigen, 1822, *Empis (Plyblepharis) ruficornis* (Loew, 1864), *Empis (Anacrostichus) bistortae* Meigen, 1822 (fam. Empididae), sono segnalate per la prima volta in Turchia; *Drapetis pictitarsis* Engel, 1939, *Crossopalpus humilis* (Frey, 1913) (fam. Hybotidae), *Hilara longivittata* Zetterstedt, 1842, *Hilara ternovensis* Strobl, 1898, *Clinocerella sorex* (Engel, 1918) (fam. Empididae) per la prima volta in Iran; *Empis (Lissempis) liosoma* Bezzi, 1909 (fam. Empididae) per la prima volta in Turchia e Iran. Viene segnalato un esemplare di *Chersodromia* sp. della Turchia, affine a *Chersodromia neocurtipennis* Beschovski, 1974 (fam. Hybotidae), da cui differisce principalmente per la presenza di 4 setole acrosticali, nonché per la morfologia dell'ala. Poiché unico esemplare femmina, non si procede alla sua descrizione.

**Abstract**

Records of 13 species belonging to the families Hybotidae and Empididae from Turkey and Iran are given. *Platypalpus verralli* (Collin, 1926), *Crossopalpus minimus* (Meigen, 1838) (fam. Hybotidae), *Hilara cothurnata* Engel, 1941, *Hilara manicata* Meigen, 1822, *Empis (Polyblepharis) ruficornis* (Loew, 1864), *Empis (Anacrostichus) bistortae* Meigen, 1822 (fam. Empididae) are reported for the first time from Turkey; *Drapetis pictitarsis* Engel, 1939, *Crossopalpus humilis* (Frey, 1913) (fam. Hybotidae), *Hilara longivittata* Zetterstedt, 1842, *Hilara ternovensis* Strobl, 1898, *Clinocerella sorex* (Engel, 1918) (fam. Empididae) are reported for the first time from Iran; *Empis (Lissempis) liosoma* Bezzi, 1909 is reported for the first time from both Turkey and Iran. A single specimen of *Chersodromia* sp., similar to *Chersodromia neocurtipennis* Beschovski, 1974 (fam. Hybotidae), is reported from Turkey; this specimen differs in having 4 acrostical bristles, as well as in wing shape. Since this is a female specimen, its description is not given.

Key words: Diptera, Hybotidae, Empididae, Faunistic, Turkey, Iran.

## Introduction

During the reorganization and updating of the dipterological collection of the Natural History Museum of Venice (Museo di Storia Naturale di Venezia), I had the opportunity to examine some specimens belonging to the families Hybotidae and Empididae from Turkey and Iran, collected by Prof. A. Giordani Soika. The results of their study are given in this paper.

The geographical distribution is reported according to the "Catalogue of Palaearctic Diptera" (CHVÁLA & KOVALEV, 1989; CHVÁLA & WAGNER, 1989), CHVÁLA (2004), ENGEL & FREY (1938-1956), and for taxonomic treatment follows: BESCHOVSKI (1974), CHVÁLA (1978), COLLIN (1937), FREY (1953), MELANDER (1928) and SHAMSHEV (1989).

## List of the specimens

Fam. Hybotidae

*Platypalpus verralli* (Collin, 1926)

Asian Turkey: Ulukisla, 20.v.1961, 1 ex..

Distribution: Belgium, Britain I., Czech Republic, Danish mainland, Estonia, Finland, French mainland, Germany, Hungary, Ireland, Italy, Norwegian mainland, Russia Central, Russia Northwest, Sweden, The Netherlands; new for Asian Turkey.

*Drapetis pictitarsis* Engel, 1939

Iran: Khorramshahr, 18.v.1956, 1 ex..

Distribution: Italy (RAFFONE, 2002), Tunis; new for Iran.

*Crossopalpus humilis* (Frey, 1913)

Iran: Kuhanestan, Ardahan, 3.vi.1965, 1 ex..

Distribution: Austria, Britain I., Bulgaria, Czech Republic, Danish mainland, Finland, Germany, Hungary, Ireland, Italy, Norwegian mainland, Poland, Slovakia, Slovenia, Sweden, Switzerland, East Palaearctic, Mongolia; new for Iran.

*Crossopalpus minimus* (Meigen, 1838)

Asian Turkey: Kilis, Gaziantep, 29.vi.1962, 1 ex..

Distribution: Britain I., Estonia, French mainland, Germany, Russia Central, Switzerland; new for Asian Turkey.

*Chersodromia* sp. near *Chersodromia neocurtipennis* Beschovski, 1974

Asian Turkey: Kylios (near Asian Istanbul), 1.vii.1962, 1 ex..

The only specimen available, a female, is similar to *Chersodromia neocurtipennis* Beschovski, 1974 (species known from Italy only), therefore I have examined the type of this species, deposited in the Museo di Storia Naturale di Venezia. The Turkish specimen differs from the latter in the following comparative characters:

*Chersodromia* sp.

- 4 acrostical and 1 prescutellar bristles;
- wing reaching the apex of 3<sup>th</sup> abdominal segment;
- veins of wing not transparent and strong;
- veins M e Cu abbreviated, not reaching wing-margin.

*Chersodromia neocurtipennis* Beschovski, 1974

- 2 acrostical and 2 prescutellar bristles;
- wing reaching the middle of 6<sup>th</sup> abdominal segment;
- veins of wing pale and transparent;  
all veins reaching wing-margin.

Since only a female specimen is available, I am unable to describe the species, which I strongly suspect to be new to science.

Fam. Empididae

*Hilara longivittata* Zetterstedt, 1842

Iran: Qsar-e Shirin, 7.iv.1956, 1 ex..

Distribution: Albania, Austria, Britain I., Czech Republic, Danish mainland, Finland, Germany, Hungary, Ireland, Italy, Lithuania, Poland, Russia North, Russia Northwest, Slovakia, Slovenia, Sweden, Switzerland, The Netherlands; new for Iran.

*Hilara cuthurnata* Engel, 1941

Asian Turkey: Kars-Ardahan, 6.vii.1971, 1 ex..

Distribution: Lebanon, Israel; new for Asian Turkey.

*Hilara manicata* Meigen, 1822

Asian Turkey: Kars-Ardahan, 6.vii.1971, 1 ex..

Distribution: Austria, Britain I., Czech Republic, Danish mainland, French mainland, Germany, Ireland, Italy, Norwegian mainland, Poland, Slovakia, Spanish mainland, Switzerland, The Netherlands; new for Asian Turkey.

*Hilara ternovenssis* Strobl, 1898

Iran: Kermanshah, 8.iv.1956, 1 ex..

Distribution: Albania, Bosnia and Herzegovina, Italy (RAFFONE, 2003); new for Iran.

*Empis (Polyblepharis) ruficornis* (Loew, 1864)

Asian Turkey: Colebasi-Agri, 19.v.1961, 4 ex..

Distribution: Moldova, Sibiria, Ukraine; new for Asian Turkey.

*Empis (Anacrostichus) bistortae* Meigen, 1822

Asian Turkey: Bolu-Ardahan, 21.vi.1975, 1 ex..

Distribution: Austria, Belgium, Czech Republic, French mainland, Germany, Poland, Portugal, Slovakia, Spanish mainland, Sweden, The Netherlands, Ukraine; new for Asian Turkey.

*Empis (Lissemphis) liosoma* Bezzi, 1909

Iran: Qsar-l-shirin, 7.iv.1956, 1 ex.; Asian Turkey: Bolu, 21.vi.1975, 1 ex..

Distribution: Italy, Tunis; new for Iran and for Asian Turkey.

*Clinocerella sorex* (Engel, 1918)

Iran: Qsar-e Shirin, 7.iv.1956, 3 ex..

Distribution: Austria, Germany, Hungary; new for Iran.

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