

NOTES TO THE CAMILLIDAE, DROSOPHILIDAE, ODINIIDAE
AND LONCHAEIDAE OF GREECE

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Abstract: Collection of insects in the vicinity of Kerkini in northern Greece by Malaise traps (G. Ramel leg.) yielded, among others, 18 species belonging to four families of acalypterate Diptera. Nine species are first time recorded in Greece, viz. *Camilla atrimana* Strobl, 1810, *Cacoxenus indagator* Loew, 1858, *Amiota alboguttata* (Wahlberg, 1839), *Stegana furta* (Linnaeus, 1767), *S. similis* Laštovka & Máca, 1982, *Scaptomyza griseola* (Zetterstedt, 1847), *Chymomyza caudatula* Oldenberg, 1914, *Lonchaea fugax* Becker, 1895 and *Odinia maculata* (Meigen, 1830). The last-mentioned species represents also the first record of the family Odiniidae in Greece.

Keywords: acalypterate Diptera, faunistics.

The last treatments of the family Drosophilidae of Greece are given in the the databases <http://taxodros.unizh.ch> and <http://www.faunaeur.org> (BÄCHLI 2007a, b). 30 species of Drosophilidae have been given there, including mostly Drosophilinae but only three species of the subfamily Steganinae: *Amiota flavopruinosa* Duda, 1934, *Leucophenga maculata* Dufour, 1839 and *Phortica semivirgo* Máca, 1977. Concerning the family Camillidae, three species have been known from this country (CARLES–TOLRÁ 2007a). Only five species of Lonchaeidae have been known from Greece, although their real number may be several times higher. (Carles–Tolrá, 2007b), and no species of Odiniidae was recorded from Greece up to the present. A small collection of acalypterate Diptera by G. Ramel (Kerkini, Greece), which I recently examined, brought an interesting additional material.

The specimens were captured in northern Greece by means of Malaise traps. During the year 2005 flies were trapped at Kerkini Lake (41°15'N, 23°19' E) and Beles hill (41°17'N, 23°12' E), in the year 2006 in Lithotopos (Ecotourism site, 41°08'N, 23°13' E), and in the year 2007 in Kerkini Marsh (41°13'N, 23°05' E), Kerkini Pumping station (41°12'N, 23°06' E) and Promohonas (41°22'N, 23°21' E). The localities lie in lowland, only the Beles hill lies in altitude of about 550 m. The specimens are kept in the collection of G. Ramel and in my collection. ♂ = male, ♀ = female.

FAMILY CAMILLIDAE

***Camilla atrimana* Strobl, 1910**

Kerkini Lake, 25.4.–1.5.2005, 1 ♀; 6.–12.6.2005, 2 ♀♀; 20.–26.6.2005, 1 ♀. First record in Greece.

FAMILY DROSOPHILIDAE

***Cacoxenus indagator* Loew, 1858**

Beles, 11.–17.4.2005, 1 ♂; 9.–15.5.2005, 1 ♂, 1 ♀. Kerkini Lake, 9.–15.5.2006, 1 ♀. Kerkini Marsh, 11.–17.4.2007, 1 ♂, 3 ♀♀. First record in Greece.

***Amiota alboguttata* (Wahlberg, 1839)**

Kerkini Lake, 25.4.–1.5.2005, 1 ♀. First record in Greece.

***Stegana furta* (Linnaeus, 1767)**

Beles, 25.4.–1.5.2005, 1 ♂. First record in Greece.

***Stegana similis* Laštovka & Máca, 1982**

Promohonas, 20.–26.6.2007, 1 ♀. First record in Greece.

***Scaptomyza pallida* (Zetterstedt, 1847)**

Beles, 11.–17.4.2005, 1 ♂; 6.–12.6.2005, 1 ♀; 2.–8.5.2005, 1 ♂, 1 ♀. Lithotopos, 9.–15.5.2006, 3 ♂♂, 3 ♀♀; 16.–22.5.2006, 5 ♂♂, 3 ♀♀; 23.5.–29.5.2006, 1 ♀; 13.–19.6.2006, 1 ♂, 1 ♀. Kerkini Marsh, 4.–10.4.2007, 1 ♀; 11.–17.4.2007, 1 ♀. Kerkini Pumping station, 2.–8.5.2007, 3 ♂, 4 ♀♀.

***Scaptomyza graminum* (Fallén, 1823)**

Beles, 11.–17.4.2005, 1 ♂. Kerkini Pumping station, 2.–8.5.2007, 1 ♀.

***Scaptomyza griseola* (Zetterstedt, 1847)**

Kerkini Lake, 28.3.–3.4.2005, 1 ♀. First record in Greece.

***Scaptodrosophila rufifrons* (Loew, 1873)**

Promohonas, 20.–26.6.2007, 1 ♀.

***Chymomyza caudatula* Oldenberg, 1914**

Promohonas, 20.–26.6.2007, 1 ♂. First record in Greece.

***Lordiphosa andalusiaca* (Strobl, 1906)**

Lithotopos, 30.5.–5.6.2006, 1 ♂.

***Hirtodrosophila cameraria* (Haliday, 1833)**

Beles, 11.–17.4.2005, 3 ♀♀; 9.–15.5.2005, 2 ♀♀; 16.5.–22.5.2005, 4 ♀♀; 6.–12.6.2005, 1 ♀; 2.–8.5.2005, 3 ♀♀. Lithotopos, 2.–8.5.2006, 1 ♂; 9.–15.5.2006, 1 ♂. Kerkini Lake, 11.–17.4.2005, 1 ♀. Kerkini Marsh, 21.–27.3.2007, 1 ♂, 1 ♀; 28.3.–3.4.2007, 1 ♀.

***Drosophila busckii* Coquillett, 1901**

Lithotopos, 9.–15.5.2006, 1 ♀.

***Drosophila melanogaster* Meigen, 1830**

Kerkini Marsh, 18.–22.4.2007, 1 ♂.

***Drosophila subobscura* Collin in Gordon, 1936**

Beles, 11.–17.4.2005, 1 ♀. Kerkini Marsh, 4.–10.4.2007, 1 ♀.

***Drosophila picta* Zetterstedt, 1847**

Kerkini Marsh, 28.3.–3.4.2007, 1 ♂.

FAMILY ODINIIDAE

***Odinia maculata* (Meigen, 1830)**

Kerkini Marsh, 25.4.–1.5.2007, 1 ♂. First record in Greece.

FAMILY LONCHAEIDAE

***Lonchaea fugax* Becker, 1895**

Promohonas, 20.–26.6.2007, 1 ♂, 2 ♀♀. First record in Greece

Table 1. List of Greek species of families Drosophilidae and Camillidae.

Explanations to Table 1: x = presence of the species in the region; 1 = species known from only one Greek locality; D = species given from Greece only in the recent databases (Bächli, 2007ab); NR = new record; names in brackets: other names used for this species from Greece.

Scaptomyza obscurifrons (Grimshaw, 1901) a Hawaiian species, erroneously given from Crete by Becker (1919) and Bächli (2007a), is deleted from the list. A still undescribed *Camilla* sp. (Papp, 1985) is also not given.

Species	Greek mainland and Ionian Islands	Egean islands including Crete	Notes
Drosophilidae			
<i>Amiota alboguttata</i> (Wahlberg, 1839)	x		1; NR
<i>Amiota flavopruinosa</i> Duda, 1934	x		1
<i>Cacoxenus indagator</i> Loew, 1858	x		NR
<i>Chymomyza caudatula</i> Oldenberg, 1914	x		1;NR
<i>Drosophila ambigua</i> Pomini, 1940	x		
<i>Drosophila busckii</i> Coquillett, 1901	x	x	(<i>busckii</i> ; misspelling)
<i>Drosophila buzzatii</i> Patt. et Wheeler, 1942	x		
<i>Drosophila funebris</i> (Fabricius, 1787)	x		apparently forgotten by BÄCHLI 2007b
<i>Drosophila helvetica</i> Burla, 1948	x		1
<i>Drosophila hydei</i> Sturtevant, 1921	x	x	
<i>Drosophila immigrans</i> Sturtevant, 1921	x	x	
<i>Drosophila kuntzei</i> Duda, 1924	x		1
<i>Drosophila limbata</i> von Roser, 1840	x	x	
<i>Drosophila melanogaster</i> Meigen, 1830	x	x	
<i>Drosophila obscura</i> Fallén, 1823	x		
<i>Drosophila phalerata</i> Meigen, 1830	x		
<i>Drosophila picta</i> Zetterstedt, 1847	x		1
<i>Drosophila repleta</i> Wollaston, 1858	x		
<i>Drosophila silvestris</i> Basden, 1954	x		1 (<i>subsilvestris</i> Hardy et Kan.,1968)
<i>Drosophila simulans</i> Sturtevant, 1919	x	x	
<i>Drosophila subobscura</i> Collin in Gordon,1936	x	x	
<i>Drosophila testacea</i> von Roser, 1840	x		1
<i>Drosophila transversa</i> Fallén, 1823	x		1
<i>Hirtodrosophila cameraria</i> (Haliday, 1833)	x	x	
<i>Leucophenga maculata</i> (Dufour, 1839)	x		
<i>Lordiphosa andalusiaca</i> (Strobl, 1906)	x	x	
<i>Phortica semivirgo</i> (Máca, 1977)	x		1; D
<i>Scaptodrosophila lebanonensis</i> Wheeler,1949	x		
<i>Scaptodrosophila rufifrons</i> (Loew, 1873)	x		
<i>Scaptomyza adusta</i> (Loew, 1862)	x		D

Table 1. Continued.

Species	Greek mainland and Ionian Islands	Egean islands including Crete	Notes
<i>Scaptomyza flava</i> (Fallén, 1823)	x	x	D
<i>Scaptomyza graminum</i> (Fallén, 1823)	x	x	
<i>Scaptomyza griseola</i> (Zetterstedt, 1847)	x		1; NR
<i>Scaptomyza pallida</i> (Zetterstedt, 1847)	x	x	(<i>disticha</i> Duda, 1921)
<i>Stegana furta</i> (Linnaeus, 1767)	x		1; NR
<i>Stegana similis</i> Laštovka & Máca, 1982	x		1; NR
Camillidae			
<i>Camilla acutipennis</i> (Loew, 1865)	x	x	(<i>nigripes</i> Strobl, 1900)
<i>Camilla atrimana</i> Strobl, 1910	x		1; NR
<i>Camilla mathisi</i> Papp, 1985	x		1
<i>Camilla sabroskyi</i> Papp, 1982	x		

***Lonchaea* spp.**

Promohonas, 20.–26.6.2007, 2 ♀♀. Two different species. The specimens are not very well preserved, so that their identity is unclear.

Malaise traps have not been previously used for collecting acalypterate Diptera in Greece. This is probably the reason that, among several tens of fly specimens, one species of Camillidae (*Camilla atrimana*), four species of Drosophilidae: Steganinae (*Cacoxenus indagator*; *Amiota alboguttata*, *Stegana furta*, *S. similis*), two species of Drosophilinae s. str. (*Scaptomyza griseola*, *Chymomyza caudatula*), and one species of Lonchaeidae (*Lonchaea fugax*) are newly recorded from this country. The finding of *Odinia maculata* represents even the first record of the family Odiniidae in Greece. The updated list of Drosophilidae and Camillidae from Greece is given in Table 1. The high proportion of otherwise widespread species which are known from only one Greek locality each, together with the high proportion of the species only recently ascertained to be present in Greece (e. g. in the databases quoted below) shows clearly that the level of the faunistic knowledge of some Greek acalypterate Diptera is still poor. The faunistic records of Odiniidae and Lonchaeidae from Greece are very sporadic and, for that reason, the lists of species are not given.

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