

SOME ADDITIONAL NOTES CARABIDAE AND TENEBRIONIDAE (COLEOPTERA) FAUNA IN ÇANAKKALE PROVINCE OF TURKEY

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ABSTRACT: In this study, some additional faunistic notes are given on seven species belonging to Carabidae and one species belonging to Tenebrionidae (Coleoptera) collected by pitfall traps in Çanakkale province of Western Turkey. All of them, eight species were evaluated as the first record for Marmara region and the local fauna of Çanakkale province.

KEY WORDS: Carabidae, Tenebrionidae, first record, fauna, Çanakkale, Turkey

The family Carabidae, known as ground beetles, is one of the largest and widespread families of Coleoptera, with over 40.000 species which more than 30% of species are arboreal, though in general temperate species are terrestrial, most are flightless and predatory, and also the taxonomically and ecologically best known groups in all insects. More than 1100 species of the Carabidae have been recorded in Turkey (Casale & Taglianti, 1999) and new species are still being added to the list. Some of the studies made on Turkish Carabidae fauna; Casale & Taglianti (1999), Kocatepe & Mergen (2004), Kesdek & Yıldırım (2004, 2007a,b, 2008, 2010a,b), Avcın (2006), Avcın & Özdikmen (2007), Kesdek (2012, 2013), Anlaş & Tezcan (2010), Tezcan et al. (2011), Avcın & Cavazutti (2011), Surgut & Varlı (2012), Avcın (2014), Fidan et al. (2014).

The Tenebrionidae, named as Darkling beetles, is a big family, distributed in all parts of the world and comprising species over with 15 000 (Bouchard et al., 2005). They occur in many terrestrial ecosystems, mostly in decaying vegetation matter, under stones and bark, or in desert or semidesert habitats. So far, more than 310 species and subspecies of Tenebrionidae have been recorded from Turkey (Tezcan et al., 2004). Some of the studies made on Turkish Tenebrionidae fauna; Ferrer & Soldati (1999), Keskin (1999, 2004, 2005), Leo & Fattorini (2000), Tezcan et al. (2000, 2004a,b), Mercan et al. (2004), Lillig & Aydın (2006), Keskin & Ferrer (2006), Nabozhenko & Keskin, (2009, 2010), Keskin & Nabozhenko (2010, 2011), Ferrer & Avcın (2011).

This paper has been prepared in order to give some additional information as a result of master thesis of the first author on the fauna of Çanakkale (Karabiga) province.

RESULTS

As a result of this study, for each species, information on the name of locality, date of collection, place on which the material collected, and the number of species have been given in brackets. The material evaluated in this study is given in systematical order in the following.

CARABIDAE**Carabinae** Latreille, 1802***Carabus (Archicarabus) victor*** Fischer von Waldheim, 1836

Material examined: Çanakkale (Karabiga), 15.V.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Turkey (Löbl & Smetana, 2003).

Harpalinae Bonelli, 1810***Acinopus (Acinopus) picipes*** (Olivier, 1795)

Material examined: Çanakkale (Karabiga), 15.V.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Anatolia (no locality) (Casale & Taglianti, 1999); Eskisehir, Ankara (Avgın & Emre, 2007).

Harpalus (Harpalus) attenuatus Stephens, 1828

Material examined: Çanakkale (Karabiga), 27.V.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Anatolia (no locality) (Casale & Taglianti, 1999); Artvin, Bayburt, Erzurum, Bingöl, Sinop, Kahramanmaraş, İzmir (Bozdağlar), Türkmen Dağı (Eskişehir-Kütahya) (Kesdek & Yıldırım, 2003; Avgın, 2006; Avgın & Emre, 2007; Anlaş & Tezcan, 2010; Tezcan et al., 2011; Kesdek, 2013; Küçükkayki, 2013).

Platyninae Bonelli, 1810***Calathus (Calathus) syriacus*** Chaudoir, 1863

Material examined: Çanakkale (Karabiga), 26.IV.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Adana, Ankara, Antalya, Artvin, Bayburt, Bingöl, Elazığ, Erzincan, Erzurum, Isparta, İçel, Kars, Konya, Muğla (Kesdek, 2012; Kesdek & Yıldırım 2004, 2010a).

Synuchus nivalis (Panzer, 1797)

Material examined: Çanakkale (Karabiga), 26.IV.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Ardahan, Artvin, Erzurum, Kars (Kesdek & Yıldırım, 2010a).

Pterostichinae Bonelli, 1810***Amara (Amara) aenea*** (De Geer, 1774)

Material examined: Çanakkale (Karabiga), 26.IV.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Ardahan, Artvin, Burdur, Erzincan, Erzurum, Iğdır, Isparta, Karaman, Kars, Konya, Muğla, Şırnak (Kesdek & Yıldırım 2010b; Kesdek, 2012); İzmir (Bozdağlar) (Tezcan et al., 2011).

Scaritinae Bonelli, 1810***Distichus (Distichus) planus*** (Bonelli, 1813)

Material examined: Çanakkale (Karabiga), 26.IV.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: İzmir, Muğla (Öncüer, 1991); Bingöl, Erzurum, Iğdır, Kars, Tunceli (Kesdek, 2012).

TENEBRIONIDAE
Tenebrioninae Latreille, 1802
Raiboscelis syriacus (Reiche, 1861)

Material examined: Çanakkale (Karabiga), 27.V.2010, meadow, (1). Totally 1 specimen, leg. Sürgüt.

Remarks: First record for Marmara Region and local fauna of Çanakkale province.

Distribution in Turkey: Ankara, Antalya, Aydın, İzmir, Konya, Manisa, Muğla (Tezcan et al., 2004b).

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