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**Contribution to the knowledge of Carabidae fauna of Turkey.
Part 9: Callistini and Licinini
(Coleoptera, Carabidae, Callistinae)**

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A b s t r a c t : This study is based upon material of the tribe Callistini and Licinini collected from different localities of Turkey between 1972 and 2008. In this study, nine species belonged to four genera in the tribus Callistini, and three species belonged to one genus in the tribus Licinini were recorded. Among them, *Chlaeniellus chrysothorax* KRYNICKI is new record the Turkish fauna. *Chlaeniellus vestitus* (PAYKULL) and *Chlaenius (Chlaenites) spoliatus* (ROSSI) are widespread species. In addition, new localities have been found for some species which had already been reported from Turkey. Also, distribution in the world of species have been given in this study.

K e y w o r d s : Coleoptera, Carabidae, Callistinae, Callistini, Licinini, Fauna, Turkey.

Introduction

The first part of the Carabidae fauna of Turkey covered the tribus Harpalini (KESDEK & YILDIRIM 2003), the second part of the tribus Platynini (KESDEK & YILDIRIM 2004), the third part of the tribus Bembidiini (KESDEK & YILDIRIM 2007), the fourth part of the tribe Dryptini, Lebiini and Zuphiini (KESDEK & YILDIRIM 2007), the fifth part of the tribus Brachinini (KESDEK & YILDIRIM 2007), the sixth part of the tribe Notiophilini and Platynini (KESDEK & YILDIRIM 2008), the seventh part of the tribus Pterostichini (KESDEK & YILDIRIM 2008), the eighth part of the tribus Amarini (KESDEK & YILDIRIM 2008) and nineth part includes the tribe Callistini and Licinini of Turkey. The information related to the material and literature references were given in the first part. Provinces of the collected species are given in alphabetical order in the following list. The material is deposited in the Entomology Museum, Erzurum, Turkey (EMET) and the author's collection.

Results

In this study, 12 species of five genera belonged to the tribe Callistini and Licinini of subfamily Callistinae of the family Carabidae were recorded from Turkey.

Tribus Callistini

Genus *Callistus* BONELLI 1810

***Callistus lunatus* (FABRICIUS 1775)**

Material examined : Ardahan: Göle, 20 km West, 1900 m, 11.VI.2005, ♂, ♀; Türkeşin, 1915 m, 15.X.2005, ♂.

Distribution : Middle East, Europe, Caucasia, Ciscaucasia, Crimea, Czech Republic, Moldova, Russia, Slovakia, Turkey and Ukraine (KRYZHANOVSKIJ et al. 1995; HURKA 1996; CASALE & TAGLIANTI 1999).

Genus *Chlaeniellus* REITTER 1908

***Chlaeniellus chrysothorax* KRYNICKI 1832**

Material examined : Erzurum: University field, 1850 m, 2.VI.1997, ♀.

Distribution : Ciscaucasia, Crimea, Kazakhstan, Moldova, Russia and Ukraine (KRYZHANOVSKIJ et al. 1995; NECULISEANU & MATALIN 2000).

This species is new for Turkish fauna.

***Chlaeniellus tristis* (SCHALLER 1783)**

Material examined : Bingöl: Karlıova, Aşağıelmali, 1680 m, 10.VIII.2005, ♂. Erzurum: 1850 m, 15.VII.1997, ♀. Iğdır: Tuzluca, Çincevat, 1050 m, 16.V.2005, ♀.

Distribution : North-West Africa, Middle Asia, Europe, Caucasia, Ciscaucasia, Siberia, Armenia, China, Iran, Kazakhstan, Moldova, Russia, Tadjikistan, Turkey, Ukraine and Uzbekistan (CSIKI 1931; GUÉORGUIEV & GUÉORGUIEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

***Chlaeniellus vestitus* (PAYKULL 1790)**

Material examined : Ankara: Çubuk, 970 m, 18.V.1996, ♂. Ardahan: Göle, Türkeşin, 1970 m, 25.VII.2005, ♀; Posof, Ilgar Pass, 2340 m, 18.VIII.2004, 5♂♂, 2♀♀. Artvin: Şavşat, 1700 m, 11.VI.2005, 2♀♀. Bayburt: Aşağıkop, 1970 m, 6.V.2005, ♀. Bingöl: Karlıova, Aşağıelmali, 1320 m, 10.VIII.2004, 2♂♂, 4♀♀; Hamamlar, 1400 m, 15.VI.2003, 2♀♀. Erzincan: Mercan, Yollarüstü, 1640 m, 4.VIII.2003, ♂, 2♀♀; Üzümlü, Altuntepe, 1340 m, 26.V.2005, 2♂♂, 2♀♀; Topdurağı, 1350 m, 4.VIII.2003, ♂. Erzurum: 1850 m, 15.VII.1997, ♀; Palandöken Mountain, 2150 m, 7.VII.2007, 2♂♂, ♀; Tekederesi, 1900 m, 16.VI.2004, 2♂♂; 2.VII.2004, ♀; Aşkale, Ortabağçe, 1890 m, 19.IX.2005, ♂, ♀; Pırmakapan, 1800 m, 27.V.2002, ♂, 2♀♀; Himis, Söylemez, 1750 m, 28.VI.2005, ♂, ♀; Köprüköy, Güzelhisar, 1825 m, 26.X.2005, ♂, 3♀♀; Örentaş, 1870 m, 9.VIII.2004, ♂, ♀; Narman, 12 km South, 1900 m, 3.VII.2005, ♂; Oltu, Sarısaz, 1720 m, 18.IV.2005, ♀; Şenkaya, Çatalelma, 1950 m, 26.IX.2000, 8♂♂, 7♀♀; Sındıran, 1950 m, 24.V.2005, ♂, ♀; Uzundere, Yayla Pass, 2350 m, 18.VI.2005, ♀. Iğdır: Tuzluca, Çincevat, 1050 m, 17.V.2005, ♀; Üçkaya, 1500 m, 29.VI.2003, ♂, ♀. Kars: Sarıkamış, Akkurt, 1250 m, 16.V.2005, 2♀♀; Susuz, 20 km Northeast, 1975 m, 25.VII.2005, ♂. Konya: Güneysınır, Gurağaç, 1020 m, 4.VII.2000, ♀; Örenboyalı, 1150 m, 28.II.2002, 10♂♂, 7♀♀. Muğla: Köyceğiz, Beyobası, 80 m, 4.IV.2007, 2♂♂, ♀; Zeytinalanı, 3.III.2008, ♀. Trabzon: 19.VII.1997, ♂.

Distribution: Central and South Europe, Caucasia, Ciscaucasia, Siberia, Armenia, Bulgaria, Crimea, Kazakhstan, Moldova, Morocco, Russia, Syria, Turkey, Turkmenistan and Ukraine (GUÉORGUIEV & GUÉORGUIEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

Genus *Chlaenius* BONELLI 1810

Chlaenius (Trichochlaenius) aeneocephalus DEJEAN 1826

Material examined: Ardahan: 2.V.1974, ♀; 20.V.1972, ♂, 3 ♀♀; Çamlıçatak, 2100 m, 4.VIII.2005, 3 ♂♂, 4 ♀♀. Bayburt: Aşağıkop, 1970 m, 6.V.2005, ♀. Erzurum: Börekli, 2120 m, 19.IX.2005, ♀; Duççu, 1890 m, 4.V.2003, 8 ♂♂, 3 ♀♀; Karagöbek Mountains, 1880 m, 14.VI.1998, ♀; 28.X.2002, ♂, 2 ♀♀; Nenehatun, 21.IV.2002, 9 ♂♂, 7 ♀♀; 19.V.2002, ♂; Tepeköy, 1950 m, 19.IX.2005, ♂, ♀; Aşkale, 1600 m, 27.IV.2002, ♂, ♀; Çat, Yukarıçat, 1870 m, 21.V.2004, ♂, 2 ♀♀; Horasan, 5 km West, 1900 m, 18.V.2005, ♀; İlica, Athikonak, 1950 m, 11.VI.2000, 2 ♂♂; Köprüköy, Güzelhisar, 1825 m, 26.X.2005, 7 ♂♂, 4 ♀♀; Narman, Eldenik, 1945 m, 17.VIII.2004, ♀; Pasinler, Hamamderesi, 1800 m, 18.V.2005, ♀; Pazaryolu, Rizekent, 1930 m, 21.X.2004, ♂; Şenkaya, Çatalelma, 1900 m, 26.IX.2000, ♀; Uzundere, Yayla Pass, 1800 m, 17.V.2004, 3 ♂♂, 2 ♀♀; 2450 m, 18.VII.2004, ♂, ♀. İğdir: Tuzluca, Gaziler, 1020 m, 16.V.2005, ♀. Kars: 3 km North, 1810 m, 3.VIII.2005, ♂, ♀; Kağızman, Aydıncavak, 3 km West, 1350 m, 17.V.2005, ♀; Sarıkamış, Çardakçatı, 1350 m, 17.V.2005, ♂, ♀; Mescidli, 1910 m, 7.X.2005, ♀.

Distribution: South and East Europe, Armenia, Bulgaria, Crimea, Moldova, Russia, Transcaucasia, Turkey and Ukraine (CSIKI 1931; GUÉORGUIEV & GUÉORGUIEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999).

Chlaenius (Chlaenites) spoliatus (ROSSI 1790)

Material examined: Ankara: Çubuk, 1050 m, 15.IX.1984, ♀. Bingöl: Hamamlar, 1400 m, 5.VI.2003, ♂, ♀; Karlhova, Aşağıelmali, 1320 m, 10.VIII.2004, 4 ♂♂, 2 ♀♀; Köklü, 1600 m, 5.VI.2003, ♂, ♀. Erzincan: Mercan, Yollarüstü, 1640 m, 4.VIII.2003, ♀. Erzurum: 1850 m, 1.VI.1979, ♀; Nenehatun, 1900 m, 21.IV.2002, ♀; Aşkale, 1600 m, 27.IV.2002, 2 ♂♂, 3 ♀♀; 9.VI.1989, ♂, ♀; Ortabahçe, 1850 m, 19.IX.2005, ♀; Köprüköy, 2 km Southeast, 1750 m, 27.V.2004, ♂, ♀; Şenkaya, Çatalelma, 1720 m, 26.IX.2000, ♂, ♀. Hatay: Dörtiyol, 380 m, 18.VII.1990, 2 ♂♂. İğdir: Tuzluca, Gaziler, 16.V.2005, 2 ♂♂; 17.V.2005, 5 ♀♀; Üçkaya, 1500 m, 29.VI.2003, ♂, ♀. Kars: Kağızman, Aydıncavak, 3 km West, 1350 m, 17.V.2005, ♂; Değirmendere, 1370 m, 17.V.2005, ♀; Yukarısultanlı, 1350 m, 17.V.2005, ♀; Sarıkamış, Akkurt, 1350 m, 16.V.2005, ♂, 2 ♀♀; Çardakçatı, 1300 m, 17.V.2005, ♂, ♀; Sünnetçi, 1320 m, 17.V.2005, 2 ♂♂, ♀. Konya: Güneysınır, Örenboyalı, 1020 m, 28.II.2002, ♂.

Distribution: North Africa, Central, South and East Europe, Korean Peninsula, Caucasia, Siberia, Bulgaria, China, Iran, Iraq, Japan, Kazakhstan, Mongolia, Russia and Turkey (GUÉORGUIEV & GUÉORGUIEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

Genus *Dinodes* BONELLI 1810

Dinodes cruralis (FISCHER VON WALDHEIM 1829)

Material examined: Antalya: Serik, 350 m, 17.VII.1993, ♀. Bingöl: Solhan, Yenibaşak, 2120 m, 25.VI.2000, ♂. Erzurum: Aşkale, Pınakapan, 1970 m, 14.X.2004, ♀. Yalova: 400 m, 25.VII.1993, ♂, 2 ♀♀.

Distribution: Balkan Peninsula, Caucasia, Bulgaria, Crimea, Moldova, Russia, Syria and Turkey (GUÉORGUEV & GUÉORGUEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

***Dinodes decipiens* (DUFOR 1820)**

Material examined: Adana: 12.VIII.2001, ♂. Bingöl: Karhova, Köklü, 1600 m, 5.VI.2003, 2♂♂, 2♀♀. Erzurum: Aşkale, 1800 m, 27.IV.2002, 2♂♂, 7♀♀; Çat, Yavi, 1850 m, 21.V.2004, ♂; Oltu, Başaklı, 1750 m, 17.V.2004, ♀; Şenkaya, Sındıran, 1950 m, 24.V.2005, ♀. Karaman: Sudurağı, 1010 m, 11.VII.1994, ♀. Konya: Güneysımr, Örenboyalı, 1070 m, 28.II.2002, ♀. Yalova: 400 m, 25.VII.1993, ♀.

Distribution: North Africa, Central and South Europe, Caucasia, Bulgaria, Iran, Russia and Turkey (GUÉORGUEV & GUÉORGUEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

***Dinodes (Paradinodes) viridis* (MENETRIES 1832)**

Material examined: Rize: Fındıklı, 680 m, 18.VIII.1993, ♀.

Distribution: Mediterranean Countries, Caucasia, Russia and Turkey (KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999).

Tribus Licinini

Genus *Licinus* LATREILLE 1802

***Licinus cassideus* (FABRICIUS 1792)**

Material examined: Kars: 3 km North, 1810 m, 3.VIII.2005, ♀.

Distribution: Central and South Europe, Caucasia, Ciscaucasia, Bulgaria, Crimea, Czech Republic, Moldova, Russia, Slovakia and Turkey (GUÉORGUEV & GUÉORGUEV 1995; KRYZHANOVSKIJ et al. 1995; HURKA 1996; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

***Licinus merkli* FRIVALDSKY 1880**

Material examined: Erzurum: Aşkale, Kop Pass, 2300 m, 26.V.2006, ♂, ♀; 14.X.2004, ♂, ♀; Oltu, 1350 m, 8.V.2006, ♂. Kars: Dığor, Değirmendere, 1800 m, 17.VII.2005, ♀.

Distribution: Europe and Turkey (CASALE & TAGLIANTI 1999).

***Licinus silphoides* (ROSSI 1790)**

Material examined: Bursa: Mudanya, 420 m, 26.VII.1984, ♀.

Distribution: Central and South Europe, Caucasia, Ciscaucasia, Bulgaria, Moldova, South Russia and Turkey (GUÉORGUEV & GUÉORGUEV 1995; KRYZHANOVSKIJ et al. 1995; CASALE & TAGLIANTI 1999; NECULISEANU & MATALIN 2000).

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Zusammenfassung

Vorliegende Studie behandelt das Vorkommen der Triben Callistini and Licinini (Carabidae) in der Türkei. Basis der Untersuchungen ist Material aus 12 Arten, das im Zeitraum 1972-2008 an verschiedenen türkischen Standorten gesammelt wurde. 9 Arten aus vier Gattungen gehören zur Tribus Callistini, eine Art zu Licinini. *Chlaeniellus chrysothorax* KRYNICKI stellte sich als neu für die türkische Fauna heraus.

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