

THE CHECK-LIST OF THE SUBFAMILY CRYPTOCEPHALINAE (COLEOPTERA, CHRYSOMELIDAE) IN TURKEY

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SUMMARY: *In this study 75 species and 9 subspecies of 3 genera in 3 tribes have been recorded up to date in Turkey. Eighteen species are endemic. The host plant of some species were indicated.*

TÜRKİYE' NİN CRYPTOCEPHALINAE (COLEOPTERA, CHRYSOMELIDAE) TÜRLERİ LİSTESİ

ÖZET: *Bu çalışmada, 3 tribus'e ait 3 cins'e bağlı 75 tür ve 9 alttür'ün ülkemizde bulunduğu belirlenmiştir. Bunlardan 36 tür ve 2 alttür incelenmiş, geri kalan 39 tür ve 7 alttür ise literatür değerlendirilerek verilmiştir. Tespit edilen türlerden 18 tür endemiktir. Ayrıca, bir çok türlerin de konakçuları tespit edilmiştir.*

INTRODUCTION

Chrysomelidae known as leaf beetles, is a large family of phytophagous Coleoptera, comprising approximately 50000 species in over 2000 genera and 19 subfamilies in world fauna (Lopatin, 1977).

The subfamily Cryptocephalinae has a world-wide distribution. The members are usually small, 10 mm or less in length, more or less cylindrical, compact, globrous beetles, with a flat hypognathous head, deeply sunk into the prothorax, and a large exposed pygidium (Booth et al., 1990).

Turkey is a large country, has various climates and topographic structure. Therefore it is expected that the Cryptocephalinae fauna of Turkey should be very rich. In spite of world fauna of this subfamily has been well studied (Clavareau, 1913; Mohr, 1966; Lopatin, 1977; Gruev and Tomov, 1984) particularly native researchers have not studied the Turkish fauna. Except Gül-Zümreoğlu (1972) and Tuatay et al. (1972) indicated presence of two species everyone of them, Selmi (1982) noted eighth species with their host plants. Foreign scientists as Pic (1908), Clavareau (1913), Medvedev (1970, 1975), Warchalowski (1976) and Gruev and Tomov (1979) made faunal studies and described some new taxa. But all records were from the western part of Turkey, only one species from Trabzon, two species from Mardin and three species from Malatya were recorded (Clavareau, 1913; Medvedev, 1970).

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This study based upon the material collected mostly from the eastern part of the country. The species have been already recorded were reviewed.

RESULTS

Present study and previous records reveal that 75 species and 9 subspecies of 3 genera in 3 tribes occur in Turkey.

Tribe: CRYPTOCEPHALINI

Genus: *Cryptocephalus* Geoffroy, 1762

Cryptocephalus amasiensis Weise, 1894

Distribution in Turkey: Amasya (Weise, 1894), Turkey, no locality (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Cryptocephalus angorensis Pic, 1908

Distribution in Turkey: Ankara (Pic, 1908), Anatolia (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Cryptocephalus apicalis Gebler, 1830

Distribution in Turkey: Turkey, no locality (Clavareau, 1913), West Black Sea Region (Warchalowski, 1991).

Distribution in the world: Hungary, Russia, Siberia, Anatolia (Clavareau, 1913), European part of the USSR, northern Caucasus, Kazakhstan (Lopatin, 1977), Bulgaria, Crimea (Warchalowski, 1976), Europe, Asia Minor, Kazakhstan (Gruev and Tomov, 1984).

Cryptocephalus aureolus Suffrian, 1847

Material examined: Dikyar, Uzundere (Erzurum), 1500 m, 2.VII.1994, 1♀, 1♂, *Centaurea solstitialis*; Palandöken, Erzurum, 2300 m, 28.VII.1992, 4♂♂, 10.VIII.1993, 2♂♂, 13.VII.1993, 2♀♀, 1♂, 19.VIII.1993, 1♂, *C. solstitialis* and some other Compositae; Alınparmak, Yusufeli (Artvin), 1700 m, 6.VII.1994, 2♀♀, 5♂♂, *C. solstitialis* and some other Compositae; Akarsu, Ardanuç (Artvin), 1600 m, 6.VII.1994, 1♀, 7♂♂, Compositae; Sarıgöl, Yusufeli, 1200 m, 5.VII.1994, 1♂, Compositae; Ferhatlı, Ardanuç, 1500 m, 7.VII.1994, 1♀, *C. solstitialis*; Pehlivanlı, Tortum (Erzurum), 1300 m, 12.VII.1993, 1♂, *C. solstitialis*; Sandıkköy, Kemaliye (Erzincan), 21.VII.1984, 1♂; Belkız (Antalya), 200 m, 3.VIII.1994, 1♂; Abdurrahmangazi, Erzurum, 2200 m, 17.VIII.1993, 1♂, *C. solstitialis*; Oğuzkent, Olur (Erzurum), 2200 m, 23.VIII.1993, 2♂♂, *C. solstitialis* and some other Compositae; Kireçli, Tortum (Erzurum), 1700 m, 8.VIII.1995, 2♂♂.

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Europe (Clavareau, 1913), Mid Europe (Mohr, 1966), European part of the USSR, Caucasus, Kazakhstan, Europe, Asia Minor (Lopatin, 1977), Bulgaria, Poland, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976).

Cryptocephalus bicolor Eschscholtz, 1818

Distribution in Turkey: Oltu, Tortum, Uzundere (Erzurum) (Aslan and Özbek, 1997).

Distribution in the world: Caucasus, Hungary, Trans-Slovakia, South Russia (Clavareau, 1913), Bulgaria, Crimea, Caucasus, Azerbaijan, Armenia (Warchalowski, 1976) Europe, Central Asia and Kazakhstan (Gruev and Tomov, 1984).

Cryptocephalus biguttatus (Scopoli, 1763)

Buprestis biguttata Scopoli, 1763 (Gruev and Tomov, 1984).

Distribution in Turkey: Ankara (Tomov and Gruev, 1975).

Distribution in the world: Europe, Siberia (Clavareau, 1913), European part of the USSR, southern Urals, southern Siberia, Kazakhstan, Europe (Lopatin, 1977), Europe (Gruev and Tomov, 1984).

Cryptocephalus biledjekensis Pic, 1909

Distribution in Turkey: Bilecik (Pic, 1909), Anatolia, no locality (Clavareau, 1913), Asia Minor, no locality (Gruev and Tomov, 1984). It is an endemic species in Turkey.

Cryptocephalus bilineatus (Linnaeus, 1767)

Chrysomela bilineata Linnaeus, 1767 (Gruev and Tomov, 1984).

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Europe, Anatolia, Siberia, Japan (Clavareau, 1913), Mid Europe (Mohr, 1966), Poland, Crimea, Caucasus, Azerbaijan, Armenia (Warchalowski, 1976), Bulgaria, Europe (Gruev and Tomov, 1984), North Caucasus (Yaroshenko, 1985)

Cryptocephalus bipunctatus (Linnaeus, 1758)

Chrysomela bipunctata Linnaeus, 1758 (Gruev and Tomov, 1984).

Material examined: Penek, Şenkaya (Erzurum), 1200m, 19.V.1996, 1♀, 1♂, *Populus* spp.; Madenköprübaşı, İspir (Erzurum), 1500 m, 18.VI.1994, 1♂, *Salix* spp.; Abdurrahmangazi, Erzurum, 2200 m, 14.VII.1992, 1♂; Dikyar, Uzundere (Erzurum), 1550 m, 2.VII.1994, 1♀, 2♂♂; 30.VI.1996, 2♀♀, 3♂♂, *Salix* and *Populus* spp.; Rabat, Pasinler (Erzurum), 2300m, 11.VIII.1996, 4♀♀, 6♂♂, *Populus* spp.; Pişkidağ, Erzincan, 1200 m, 8.VII.1993, 1♀, *Salix* spp.; Ankara, 900 m, 2.VII. 1992, 1♀, 1♂; Altıparmak,

Yusufeli (Artvin), 1700 m, 5.VII.1994, 1♀, *Salix* spp.; Akarsu, Ardanuç (Artvin), 1500 m, 7.VII.1994, 2♂♂, *Salix* and *Populus* spp..

Distribution in Turkey: Kaynarca (İznik), between Elmalık and Bakacak, between Amasya and Ezinepazarı (Medvedev, 1970), Amasya, Ankara, İçel, Sinop (Tomov and Gruev, 1975).

Distribution in the world: Europe, Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Venezuela, Albania, Yugoslavia (Warchalowski, 1976), European part of the USSR, Caucasus, Siberia, Kazakhstan, northern Africa, central and southern Europe, northern China, Korea (Lopatin, 1977), Europe, Greece, Central Asia (Gruev and Tomov, 1984).

Cryptocephalus bodemeyeri Weise, 1900

Material examined: Turnalı, Şenkaya (Erzurum), 1750 m, 15.V.1994, 1♂; Sarıkamış (Kars), 2000 m, 22.VI.1995, 1♀; Sutkans, Oltu (Erzurum), 1800 m, 18.VI.1996, 1♀; Tepeköy, Aşkale (Erzurum), 8.VI.1996, 1♀.

Distribution in Turkey: Bilecik, Anatolia (Clavareau, 1913), Kavak (Samsun) (Medvedev, 1970), Turkey (Warchalowski, 1976). It is an endemic species in Turkey.

Cryptocephalus chrysopus Gmelin, 1788

Distribution in Turkey: Turkey (Warchalowski, 1976), Kavak (Samsun) (Medvedev, 1970).

Distribution in the world: Mid and North Europe (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Caucasus, Azerbaijan, Armenia, Albania, Yugoslavia (Warchalowski, 1976), Europe, Asia, Bulgaria (Gruev and Tomov, 1984), North Caucasus (Yaroshenko, 1985).

Cryptocephalus concolor Suffiran, 1847

Distribution in Turkey: Amasya, Ankara, Artvin, Erzurum, Gümüşhane, Samsun, İçel, Sinop, Sivas, Trabzon (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Caucasus, Anatolia, South Russia (Clavareau, 1913), Bulgaria, Greece, Caucasus, Azerbaijan, Armenia, Albania, Yugoslavia (Warchalowski, 1976), Southern caucasus and Turkmenia (Lopatin, 1977), Bulgaria, Mid Asia (Gruev and Tomov, 1984).

Cryptocephalus connexus Olivier, 1807

Material examined: Very common in Pasinler (Erzurum), *Onobrychis sativa*; Dumlu, Erzurum, 1900 m, 2.VII.1994, 2♀♀; Kınalıçam, Yusufeli (Artvin), 850 m, 4.VII.1994, 5♀♀.

6♂♂, *Ulmus* spp.; Anzavderesi, Oltu (Erzurum), 900m, 5.VII.1995, 10♀♀, 13♂♂, *O. sativa*; Bilecik, 800m, 15.VII.1995, 2♀♀, 3♂♂; Palandöken, Erzurum, 2300 m, 19.VIII.1993, 6♀♀, 2♂♂; Dikyar, Uzundere (Erzurum), 1450m, 8.IX.1996, 5♀♀, 10♂♂, *Ulmus* spp.; Kandilli, Erzurum, 1750m, 22.VIII. 1996, 3♀♀, 2♂♂, *O. sativa*.

Distribution in Turkey: İzmir (Gül-Zümreoğlu, 1972), All Turkey (Warchalowski, 1991).

Distribution in the world: Austria, Hungary, Rumania and Russia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Venezuela, Albania, Yugoslavia (Warchalowski, 1976), European part of the USSR, Caucasus, Trans-Caucasus, Central Asia, western Turkmenia, Kazakhstan, Mediterranean zone and eastern Europe (Lopatin, 1977), North Caucasus, East Europe, North Kazakhstan (Yaroshenko, 1985).

***Cryptocephalus corithius* Pic, 1914**

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

***Cryptocephalus creticus* Suffiran, 1847**

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Crete, Dalmatica (Clavareau, 1913), Albania, Yugoslavia Greece (Warchalowski, 1976).

***Cryptocephalus cribratus* Suffiran, 1847**

Material examined: Selaİe, Uzundere (Erzurum), 1350 m, 9.VI.1996, 3♀♀, 2♂♂, *Salix* and *Populus* spp.; Dikyar, Uzundere, 1450m, 17.VI. 1995, 4♀♀, 3♂♂, 30.VI.1996, 5♀♀, 4♂♂, 31.VII.1993, 1♀, 2.VII.1994, 1♂, *Salix* and *Populus* spp.; Karagöl, Borçka (Artvin), 1050 m, 18.VII.1994, 1♂, *Salix alba*.

Distribution in Turkey: Gümüşhane (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Turkey, Caucasus (Clavareau, 1913), Caucasus, Azerbaijan, Armenia (Warchalowski, 1976), All Caucasus, Turkmenia, Asia Minor and Iran (Lopatin, 1977).

***Cryptocephalus curda* Jacobson, 1897**

Distribution in Turkey: Dinar (Afyon), Palandöken, University Field (Erzurum) (Aslan and Özbek, 1997).

Distribution in the world: Russia (Clavareau, 1913), Caucasus, Azerbaijan, Armenia (Warchalowski, 1976).

Cryptocephalus duplicatus Suffiran, 1847

Material examined: Very common in Erzurum and Artvin provinces (from 600 m up to 2000m), *Centaurea solstitialis* and some other Compositae; Derinöz, Digor (Kars), 2000 m, 21.VI.1995, 8♀♀, 10♂♂, *C. solstitialis*; Sarıkamış (Kars), 1900 m, 13.VII.1996, 7♀♀, 6♂♂, Compositae.

Distribution in Turkey: Belgrat Forest, İstanbul, *Salix cinerea* and *Populus tremula* (Selmi, 1982).

Distribution in the world: Central Caucasus (Clavareau, 1913), Caucasus, Iran (Berti and Rapilly, 1973), Caucasus, Azerbaijan, Armenia (Warchalowski, 1976).

Cryptocephalus elegantulus Gravenhorst, 1807

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Mid Europe, Anatolia, West Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Venezuela, Crimea, Caucasus, Azerbaijan, Armenia (Warchalowski, 1976), European part of the USSR, Caucasus, Transcaucasus, Siberia, Kazakhstan, Kirgizia, Mongolia, Korea (Lopatin, 1977), Europe, Central Asia, Mongolia (Gruev and Tomov, 1984).

Cryptocephalus exiguus Schneider, 1792

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976), Kaynarca (İzник) (Medvedev, 1970), Asia Minor, no locality (Gruev and Tomov, 1984).

Distribution in the world: Mid Europe, West Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Venezuela (Warchalowski, 1976), Europe, Asia Minor, Bulgaria (Gruev and Tomov, 1984).

Cryptocephalus flavipes Fabricius, 1781

Material examined: Madenköprübaşı, İspir (Erzurum), 1400 m, 1♀, 2♂♂; Dikyar, Uzundere (Erzurum), 1450 m, 9.VI.1996, 1♀, 2♂♂; Turnalı, Şenkaya (Erzurum), 1750 m, 25.VII.1996, 1♂; Eğerti, Ilıca (Erzurum), 1800 m, 28.VI.1997, 2♀♀, 1♂; Sutkans, Oltu (Erzurum), 1900 m, 10.VI.1997, 2♀♀, 3♂♂; Ormanlı, Şenkaya (Erzurum), 20.V.1997, 1♀; Yusufeli (Artvin), 11.VI.1997, 1♀; Altıparmak, Yusufeli (Artvin), 12.VI.1997, 1♀, 1♂.

Distribution in Turkey: Taşdelen (Malatya), Kaynarca (İzник), between Bolu and Yeniçağ, 1000 m, between Elmalık and Bakacak, 850m, Mataracı, Bafra (Samsun), Vakfikebir (Trabzon) (Medvedev, 1970), Ordu (Tuatay et al., 1972), İstanbul, Samsun (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Europe, Anatolia, Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Venezuela, Caucasus, Azerbaijan, Armenia, Albania, Yugoslavia (Warchalowski, 1976), European part of the USSR, Caucasus, southern Urals, Siberia, Kazakhstan, southwestern Turkmenia, northern Iran (Lopatın, 1977), Europe, Greece, Central Asia, Caucasus (Gruev and Tomov, 1984).

Cryptocephalus fulvus Goeze, 1777

Material examined: Erzincan, 14.VI.1994, 2♂♂, *Artemisia* spp.; Köse (Gümüşhane), 900 m, 10.VII.1995, 1♀, 2♂♂, *Artemisia* spp.; Pasınler (Erzurum) 1600m, 15.VII.1995, 6♀♀, 7♂♂, 4.VIII.1993, 3♂♂, *Artemisia* spp.; Rizekent, İlica (Erzurum), 1900 m, 18.VIII.1995, 3♀♀, 2♂♂, *Artemisia* spp.; Turnalı, Şenkaya (Erzurum), 1750m, 8.IX. 1994, 2♀♀, 1♂; Tece (İçel), 2.IX.1992, 4♀♀, 3♂♂.

Distribution in Turkey: Efes (İzmir), Antalya, Ovacık, Silifke (Mersin) (Medvedev, 1975).

Distribution in the world: Europe, West Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Venezuela, Albania, Yugoslavia (Warchalowski, 1976), Europe, Asia Minor, Bulgaria (Gruev and Tomov, 1984), North Caucasus (Yaroshenko, 1985).

Cryptocephalus gloriosus Mulsant, 1853

Distribution in Turkey: Karaman (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Cryptocephalus hypochoeridis (Linnaeus, 1758)

Chrysomela hypochoeridis Linnaeus, 1758 (Gruev and Tomov, 1984).

Distribution in Turkey: Oltu, Tortum, Uzundere (Erzurum), Borçka, Yusufeli (Artvin), Sarıkamış (Kars) *Centaurea solstitialis* and some other Compositae, Rize (Aslan and Özbek, 1997).

Distribution in the world: Europe, Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Venezuela, Albania, Yugoslavia (Warchalowski, 1976), East Europe, North Caucasus, Crimea, North Kazakhstan (Yaroshenko, 1985), Europe and Central Asia (Gruev and Tomov, 1984).

Cryptocephalus hypochoeridis praticola Weise, 1901

Distribution in Turkey: Distribution in Turkey: Oltu, Uzundere (Erzurum), Yusufeli (Artvin) *Centaurea solstitialis* and some other Compositae (Aslan and Özbek, 1997).

Distribution in the world: North Kazakhstan and North Caucasus (Yaroshenko, 1985).

Cryptocephalus hypochoeridis ruguliventris Franz, 1949

Distribution in Turkey: Artvin (Tomov and Gruev, 1975). It is an endemic species in Turkey.

Cryptocephalus ilicis Olivier, 1808

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976), Gönen (Balıkesir), Alemdağ (İstanbul), Bahçeköy (İstanbul), *Quercus coccifera* and *Salix babylonica* (Selmi, 1982).

Distribution in The world: South Europe (Clavareau, 1913), Greece, Italia, Seilia, France, Spain (Burlini, 1955), Albania, Yugoslavia, Greece (Warchalowski, 1976),

Cryptocephalus ilicis var. *oblitteratipennis* Pic, 1900

Distribution in Turkey: İstanbul (Clavareau, 1913). It is an endemic species in Turkey.

Cryptocephalus ilicis var. *prinkipennis* Pic, 1908

Distribution in Turkey: İstanbul (Clavareau, 1913). It is an endemic species in Turkey.

Cryptocephalus imperialis Laicharting, 1781

Material examined: Aşağı Meydanlar, Tortum (Erzurum), 1700m, 14.VII.1991, 1♀, 1♂, *Quercus* sp.; Şellale, Uzundere (Erzurum), 9.VI.1996, 1♂.

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976), Amasya, 420-900m (Medvedev, 1975).

Distribution in the world: South Europe (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976), South and North Europe, Asia (Gruev and Tomov, 1984).

Cryptocephalus inaequalis Fairmaire, 1902

Distribution in Turkey: Ankara (Clavareau, 1913). It is an endemic species in Turkey.

Cryptocephalus labiatus (Linnaeus, 1761)

Chrysomela labiatus Linnaeus, 1761 (Gruev and Tomov, 1984).

Material examined: Eğerti, İlica (Erzurum), 1800 m, 28.VI.1997, 1♀, 1♂.

Distribution in Turkey: Taşdelen (Malatya) (Medvedev, 1970), Ordu (Tuatay et al., 1972).

Distribution in the world: Europe, Mongolia, East Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Europe, Asia, Bulgaria (Gruev and Tomov, 1984), North Caucasus (Yaroshenko, 1985).

Cryptocephalus janthinus Germar, 1824

Distribution in Turkey: İçel (Tomov and Gruev, 1975), Kars, Ardahan (Warchalowski, 1991).

Distribution in the world: Mid and South Europe, Siberia (Clavareau, 1913), European part of the USSR, Caucasus, Siberia, western Kazakhstan, Central and southern Europe (Lopatin, 1977), Europe, Central Asia (Gruev and Tomov, 1984).

Cryptocephalus laevicollis Gebler, 1830

Distribution in Turkey: Amasya, Çorum (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Turkey, South Russia, Siberia (Clavareau, 1913), Slovakia (Mohr, 1966), Bulgaria, Poland, Crimea, Caucasus, Azerbaijan, Armenia (Warchalowski, 1976), European part of the USSR, Kazakhstan, Central and eastern Europe (Lopatin, 1977), Europe, Asia, Bulgaria (Gruev and Tomov, 1984).

Cryptocephalus macellus Suffrian, 1860

Material examined: Suktans, Oltu (Erzurum), 1800 m, 10.VI.1997, 1♀, 1♂.

Distribution in Turkey: Bilecik (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976), Taşdelen Malatya, Belgirat Forest (Istanbul), Samsun, between Turhal and Ezinepazarı, between Amasya and Ezinepazarı, Madenli, Urabat (Medvedev, 1970), Biga (Çanakkale), Adapazarı, Belgirat Forest (Istanbul), Kalkım (Balıkesir), *Populus alba*, *Quercus petraea*, *Q. robur* (Selmi, 1982).

Distribution in the world: Mid and South Europe (Clavareau, 1913), Mid Europe, Slovakia (Mohr, 1966), Spain, Austria, Cyprus, Crete, Italia, Germany, northwestern Iran (Roubal, 1937-1941), Bulgaria, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976), Europe, Asia, Bulgaria (Gruev and Tomov, 1984).

Cryptocephalus moehringi Weise, 1884

Distribution in Turkey: Amasya (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976), between Amasya and Ezinepazarı, Ezinepazarı (Medvedev, 1970), Bolu (Tomov and Gruev, 1975).

Distribution in the world: Greece, Turkey (Warchalowski, 1976).

Cryptocephalus moraei (Linnaeus, 1758)

Chrysomela moraei Linnaeus, 1758 (Gruev and Tomov, 1984).

Material examined: Silvan (Diyarbakır), 800 m, 17.IV.1995, 8♀♀, 7♂♂, *Hypericum* sp.; Sutkans, Oltu, 1600 m, 18.VI.1996, 3♂♂, *Hypericum* sp.; Dikyar, Uzundere (Erzurum), 1450m, 25.VI.1996, 3♀♀, 4♂♂, *Hypericum* sp.; Palandöken, Erzurum, 2300 m, 13.VII.1994, 1♂; Çamlıbel, Oltu (Erzurum), 1750m, 14.VII:1996, 3♀♀, 2♂♂, *Hypericum* sp.; Kelkit (Gümüşhane), 850 m, 9.VII.1995, 3♂♂, *Hypericum* sp.; Ordu, 100 m, 16.VII.1991, 1♂; Sandık Köyü, Kemaliye (Erzincan), 1100 m, 21.VII.1984, 1♀; Üzümlü (Erzincan), 1600 m, 8.VII.1993, 3♂♂, *Hypericum* sp.; Yollarüstü (Erzincan), 1300 m, 9.VII.1994, 2♀♀, 2♂♂, *Hypericum* sp.; Üzümlü, 1450 m, 13.VII.1994, 2♀♀, *Hypericum* sp..

Distribution in Turkey: İzmir (Gül-Zümreoğlu, 1972), Samsun (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976), Uludağ (Bursa) (Gruev and Tomov, 1979).

Distribution in the world: Europe, West Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976), Europe, Central Asia, Caucasus (Gruev and Tomov, 1984), North Caucasus (Yaroshenko, 1985)..

Cryptocephalus ocellatus Drapiez, 1819

Material examined: Çerli Köyü, Perşembe (Ordu), 100 m, 29.VI.1991, 1♂; Demirkent, Yusufeli (Artvin), 700 m 6.VII.1994, 2♂♂, *Salix* sp.; Karagöl, Borçka (Artvin), 1100 m, 7.VII.1994, 6♀♀, 8♂♂, *Alnus* sp.; Yollarüstü (Erzincan), 1300 m, 9.VII.1993, 1♀; Rizekent, Ilica (Erzurum), 1800 m, 18.VIII.1995, 2♀♀, 1♂, *Salix* sp.; Köşkköyü, Erzurum, 2000 m, 20.VI.1996, 1♂.

Distribution in Turkey: Rize (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976), Kepsut (Balıkesir), İnegöl (Bursa), Bahçekök (İstanbul), Bayramiç (Çanakkale), *Salix alba*, *S. fragilis* and *Alnus glutinosa* (Selmi, 1982).

Distribution in the world: South and Mid Europe (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Caucasus, Azerbaijan, Armenia, Venezuela, Albania, Greece, Yugoslavia (Warchalowski, 1976), European part of the USSR, Kazakhstan, Europe except north (Lopatın, 1977), Europe, Asia Minor, Caucasus, Kazakhstan (Gruev and Tomov, 1984).

Cryptocephalus octacosmus Bedel, 1891

Material examined: Çerkezköy, Tekirdağ, 10.VI.1995, 2♂♂; Bilecik, 800 m, 15.VI.1995, 10♀♀, 13♂♂; Aydıntepe (Bayburt), 1500 m, 30.VI.1991, 3♂♂; Pasinler (Erzurum), 1600 m, 17.VII.1980, 1♂; Demirözü (Bayburt), 1700 m, 23.VII.1991, 1♀;

Kopdağı, Bayburt, 2300 m, 10.VIII.1991, 1♀, 1♂; Bayburt, 1600 m, 11.VIII.1991, 1♂; Anzavderesi, Oltu (Erzurum), 28.VIII.1996, 1♀, 1♂.

Distribution in Turkey: Ankara, Tokat (Tomov and Gruev, 1975), Jalomba (İzmit) (Medvedev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Mid and South Europe, West Siberia (Clavareau, 1913), Southern Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976), European part of the USSR, Caucasus, western Siberia, Kazakhstan, Uzbekistan, Kirgizia, Northwestren China (Lopatin, 1977), Europe, Central Asia, Caucasus (Gruev and Tomov, 1984).

Cryptocephalus paradisiacus Weise, 1900

Distribution in Turkey: Mardin (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Cryptocephalus parvulus Müller, 1776

Distribution in Turkey: Samsun (Tomov and Gruev, 1975), Uludağ (Bursa) ,800-1750m (Medvedev, 1975).

Distribution in the world: Europe, Siberia, Japan (Clavareau, 1913), Europe (Mohr, 1966), Poland, Venezuela (Warchalowski, 1976), European part of the USSR, Urals, Siberia, Kazakhstan, Europe (Lopatin, 1977), Europe, Central Asia, Kazakhstan (Gruev and Tomov, 1984).

Cryptocephalus peyroni Marseul, 1875

Distribution in Turkey: Borçka (Artvin), 1050 m (Aslan and Özbek, 1997).

Distribution in the world: Lebanon (Beirut) (Clavareau, 1913).

Cryptocephalus prope macellus Suffrian, 1860

Distribution in Turkey: Kanlıdivane (Samsun) (Medvedev, 1970). It is an endemic species in Turkey.

Cryptocephalus prusias Suffrian, 1853

Material examined: Tepeköy, Aşkale (Erzurum), 8.VI.1997, 1♀, 2♂♂.

Distribution in Turkey: Bilecik (Bodameyer, 1900), Amasya, Bursa (Clavareau, 1913), between Amasya and Ezinepazarı (Medvedev, 1970), Amasya, Gümüşhane (Tomov and Gruev, 1975), Sındırgı (Balıkesir), Bandırma (Balıkesir), Demirköy (Kırklareli), Kestel (Bursa), *Salix triandra*, *S.alba* and *Quercus petraea* (Selmi, 1982).

Distribution in the world: Turkey (Clavareau, 1913), Bulgaria, Greece (Warchalowski, 1976),

Cryptocephalus pusillus Fabricius, 1777

Chrysomela minuta Herbst, 1783; *Cryptocephalus verticalis* Boheman, 1851 (Warchalowski, 1991).

Distribution in Turkey: Aegean Region (Warchalowski, 1991).

Distribution in the world: Germany, Spain, All Europe, Bulgaria, Poland, Venezuela (Warchalowski, 1991).

Cryptocephalus pygmaeus Fabricius, 1792

Material examined: Dinar (Afyon), 14.VIII. 1990, 2♀♀, 3♂♂.

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976; 1991).

Distribution in the world: Germany, Spain (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Venezuela (Warchalowski, 1976), Europe, Asia, Caucasus, Bulgaria (Gruev and Tomov, 1984), North Caucasus, Kazakhstan (Yaroshenko, 1985)

Cryptocephalus pygmaeus var. *lugubris* Demaison, 1904

Distribution in Turkey: Anatolia (Clavareau, 1913). It is an endemic subspecies in Turkey.

Cryptocephalus pygmaeus var. *orientalis* Weise, 1882

Distribution in Turkey: Anatolia (Clavareau, 1913). It is an endemic subspecies in Turkey.

Cryptocephalus quatuordecimmaculatus coloratus Fabricius, 1798

Distribution in Turkey: Turkey, no locality (Clavareau, 1913).

Distribution in the world: Austria, Turkey, Russia, Siberia (Clavareau, 1913).

Cryptocephalus reitteri Weise, 1882

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Dalmatia, Croatia (Clavareau, 1913), Crimea, Caucasus, Azerbaijan, Armenia, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976),

Cryptocephalus rufipes Goeze, 1777

Distribution in Turkey: İstanbul (Medvedev, 1970).

Distribution in the world: Europe (Clavareau, 1913), Mid Europe (Mohr, 1966), Crimea (Warchalowski, 1976).

Cryptocephalus rugicollis Olivier, 1807

Distribution in Turkey: İzmir, Amasya (Gül-Zümreoğlu, 1972), Antalya, Muğla (Tomov and Gruev, 1975), Efes (İzmir), Aydın (Medvedev, 1975).

Distribution in The world: South Europe (Clavareau, 1913).

Cryptocephalus schaefferi Schrank, 1789

Material examined: Tepeköy, Aşkale (Erzurum), 8.VI.1997, 3♀♀, 2♂♂.

Distribution in Turkey: Turkey, no locality (Clavareau, 1913), Edirne, Kırklareli (Warchalowski, 1991).

Distribution in the world: France, Germany, Italia, Russia, West Siberia (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Crimea, Azerbaijan, Caucasus, Armenia (Warchalowski, 1976), Europe, Greece, Caucasus, Kazakhstan (Gruev and Tomov, 1984), European part of the of USSR, Caucasus, Transcaucasus, westren Siberia, Central Kazakhstan, central and southern Europa (Lopatin, 1977)

Cryptocephalus sericeus (Linnaeus, 1758)

Chrysomela sericea Linnaeus, 1758; (Gruev and Tomov, 1984).

Material examined: Karagöbek, Erzurum, 1900 m, 5.VII.1969, 1♂; Çiftlik Köyü (Tortum (Erzurum), 1500 m, 14.VII.1994, 1♀; Aksuyaylası, Tortum (Erzurum), 2250m, 14.VII.1996, 3♀♀, 6♂♂, *Centaurea solstitialis* and some other Compositae; Beytepe, Ankara, 900 m, 20.VII.1994, 1♂; Dikyar, Uzundere (Erzurum), 1500 m, 31.VII.1993, 1♂; 9.VII.1996, 7♀♀, 10♂♂, 6.VIII.1996, 5♀♀, 9♂♂, *C. solstitialis* and some other Compositae; Oğuzkent, Olur (Erzurum), 2100 m, 23.VII.1993, 1♀, *C. solstitialis*; Palandöken, Erzurum, 2300 m, 10.VII.1993, 1♂; 23.VII.1992, 2♀♀, 5♂♂, *C. solstitialis* and some other Compositae; Süngübayır, Olur, 1850 m, 20.VII.1994, 1♀, 3♂♂; 28.VII.1993, 2♂♂, *C. solstitialis*. and some other Compositae; Turnalı, Şenkaya (Erzurum), 1700 m, 6.VIII.1988, 1♀; Sarıkamış (Kars), 2100 m, 13.VII.1996, 7♀♀, 3♂♂, *C. solstitialis* and some other Compositae.

Distribution in Turkey: Kars (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Europe, Anatolia, Siberia (Clavareau, 1913), Austria (Mohr, 1966), Bulgaria, Poland, Crimea, Venezuela, Albania, Greece, Yugoslavia (Warchalowski, 1976), European part of the USSR, Caucasus, Siberia, Kazakhstan, Central and Southern Europe (Lopatin, 1977).

Cryptocephalus signatifrons Suffrian, 1847

Material examined: Sutkans, Oltu (Erzurum), 10.VI.1997, 3♀♀, 2♂♂.

Distribution in Turkey: Taşdelen (Malatya) (Medvedev, 1970).

Distribution in the world: Bulgaria, Venezuela, Albania, Yugoslavia (Warchalowski, 1976).

Cryptocephalus sultani Pic, 1920

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976). It is an endemic specimens in Turkey.

Cryptocephalus tappesi Marseul, 1868

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Lebanon, Syria (Clavareau, 1913).

Cryptocephalus tappesi var. *disconiger* Pic, 1904

Distribution in Turkey: Tarsus (Clavareau, 1913). It is an endemic subspecies in Turkey.

Cryptocephalus trapezensis Tappes, 1871

Material examined: Rabat, Pasinler (Erzurum), 2400 m, 11.VI.1996, 2♀♀, 2♂♂; 13.VI.1996, 1♀, 2♂♂.

Distribution in Turkey: Trabzon (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Turkey (Clavareau, 1913), Caucasus, Azerbaijan, Armenia (Warchalowski, 1976),

Cryptocephalus trimaculatus Rossi, 1790

Material examined: Şelale, Uzundere (Erzurum), 1300 m, 9.VI.1996, 1♂; Paşalı, Şenkaya (Erzurum), 1300 m, 12.VI.1996, 1♀; Demirkent, Yusufeli (Artvin), 900 m, 6.VII.1994, 1♂; Ferhath, Ardanuç (Artvin), 1100 m, 7.VII.1994, 1♀; Anlı, Tortum (Erzurum), 1600 m, 24.VIII.1993, 1♀; Çamlıbel, Oltu (Erzurum), 1700 m, 14.VIII.1996, 2♂♂; Paşalı, Şenkaya (Erzurum), 1600 m, 12.VI.1996, 1♂♂; Şellale, Uzundere (Erzurum), 1800 m, 9.VI.1996, 1♂.

Distribution in Turkey: Amasya, Ankara, Gümüşhane, Bayburt, İçel (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: South Europe, Germany, Siberia (Clavareau, 1913), Mid Europe, Slovakia (Mohr, 1966), Bulgaria, Venezuela, Albania, Greece, Yugoslavia (Warchalowski, 1976), Europe, Asia, Caucasus (Gruev and Tomov, 1984).

***Cryptocephalus turcicus* Suffrian, 1847**

Distribution in Turkey: Eskişehir (Bodameyer, 1900), Turkey (Warchalowski, 1976), Kaynarca (İzmit), Soğuksu Millet Parkı, 1000m, Mataracı (Medvedev, 1970), Bilecik (Tomov and Gruev, 1975), Sındırgı (Balıkesir), Çanakkale, Armutlu, Gemlik (Bursa), Bahçeköy, Belgırat Ormanları (İstanbul), *Quercus petraea*, *Q.rolar* and *Q.ilex* (Selmi, 1982).

Distribution in the world: Dalmatica, Turkey, Greece, Corsica (Clavareau, 1913), Mid Europe (Mohr, 1966), Sout France, Italia, Austria, Scilia, Greece (Burlini, 1955), Bulgaria, Venezuela, Albania, Greece, Yugoslavia (Warchalowski, 1976), Europe, Central Asia, Bulgaria, Greece (Gruev and Tomov, 1984).

***Cryptocephalus variceps* Weise, 1884**

Material examined: Gölbaşı Yaylası, Uzundere (Erzurum), 2000 m, 16.VI.1995, 3♀♀, 2♂♂.

Distribution in Turkey: Turkey, no locality (Clavareau, 1913) Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

***Cryptocephalus violaceus* Laicharting, 1781**

Material examined: Sütkans, Oltu (Erzurum), 2000 m, 25.VI.1996, 2♀♀, 3♂♂, *Centaurea solstitialis* and some other Compositae; Dikyar, Uzundere (Erzurum), 1450 m, 10.VII.1994, 1♀, *Centaurea solstitialis*; Sarıgöl, Yusufeli (Artvin), 1100 m, 5.VII.1994, 1♂, Compositae; Kireçli, Tortum (Erzurum), 1700 m, 8.VIII.1995, 2♂♂, Compositae; Belkız (Antalya), 100 m, 3.VIII.1994, 1♂.

Distribution in Turkey: Ordu (Tuatay et al., 1972), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Europe (Clavareau, 1913), South and Mid Europe (Mohr, 1966), Bulgaria, Greece, Poland, Venezuela, Albania, Greece, Yugoslavia, Caucasus, Azerbaijan, Armania (Warchalowski, 1976), Mid and North Europe, Greece (Gruev and Tomov, 1984).

***Cryptocephalus vittula* Suffrian, 1848**

Material examined: Ilica, Erzurum, 14.VI.1988, 1♂; Dinar (Afyon), 14.VIII.1990, 1♀, 2♂♂.

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Bulgaria, Venezuela, Albania, Greece, Yugoslavia, Caucasus, Azerbaijan, Armenia (Warchalowski, 1976),

Cryptocephalus wehnckeii Weise, 1882

Distribution in Turkey: Tarsus (İçel) (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey

Tribe: **PACHYBRACHINI**

Genus: *Pachybrachis* Chevrolat, 1837

Pachybrachis adaliensis Weise, 1886

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Anatolia (Clavareau, 1913), Greece (Warchalowski, 1976),

Pachybrachis bodemeyeri Weise, 1906

Material examined: Köşk Köyü, Erzurum, 2000 m, 20.VI.1971, 9♂♂, 5♀♀, 20.VI.1996, 16♀♀, 20♂♂, *Salix* spp..

Distribution in Turkey: Anatolia (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Pachybrachis excisus Weise, 1897

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976), Elmalı (Gruev and Tomov, 1979).

Distribution in the world: Anatolia (Clavareau, 1913), Asia, Europe (Gruev and Tomov, 1984).

Pachybrachis fimbriolatus Suffrian, 1848

Material examined: Very common in Bayburt, Pasinler (Erzurum), Iğdır and Kağızman (Kars), Papilionacea; Gölbaşı Yaylası, Uzundere (Erzurum), 2000 m, 16.VI.1995, 2♀♀, 5♂♂, Papilionacea.

Distribution in Turkey: Sabanözü (Çankırı), Kızılcahamam (Ankara) (Gruev and Tomov, 1979).

Distribution in the world: South Europe, Siberia, Germany, France (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Crimea, Albania, Greece, Yugoslavia (Warchalowski, 1976), North Caucasus and Kazakhstan (Yaroshenko, 1985)

Pachybrachis flexuosus Weise, 1882

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Sicilia, Greece, Austria (Clavareau, 1913), Bulgaria, Venezuela, Albania, Greece, Yugoslavia (Warchalowski, 1976),

Pachybrachis glycyrrhizae Olivier, 1808

Distribution in Turkey: Iğdır, Kağızman (Kars) (Aslan and Özbek, 1997).

Distribution in the world: Iran (Clavareau, 1913), Azerbaijan, Armenia, Caucasus (Warchalowski, 1976), Trans-Caucasus, southern Turkmenia, Southern Uzbekistan, Southern Tadjicistan, Iran, Iraq, Syria, Jordan and Afghanistan (Lopatin, 1977)

Pachybrachis hieroglyphicus (Laicharting, 1781)

Cryptocephalus hieroglyphicus Laicharting, 1781 (Gruev and Tomov, 1984)

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Mid Europe, Swidin, Siberia (Clavareau, 1913), Bulgaria, Poland, Venezuela, Albania, Yugoslavia, Greece (Warchalowski, 1976), Europe, Asia Minor, Kazakhstan (Gruev and Tomov, 1984).

Pachybrachis instabilis Weise, 1887

Distribution in Turkey: Akyazı (Adapazarı), Sındırgı (Balıkesir), Armutlu, Gemlik (Bursa), Demirköy (Kırklareli), *Quercus pentraca* and *Q. robus* (Selmi, 1982).

Distribution in the world: Turkestan (Weise, 1887), Kyndyr-Tau (Clavareau, 1913).

Pachybrachis limbatus (Ménétriés, 1836)

Cryptocephalus limbatus Ménétriés, 1836 (Gruev and Tomov, 1984).

Distribution in Turkey: İçel (Tomov and Gruev, 1975), Turkey, no locality (Warchalowski, 1976), Kaynarca (İzmit), Bolu ve Yeniçağa arası, Soğuksu Millet Parkı, 1000m, Kavak (Samsun), (Medvedev, 1970), Sındırgı (Balıkesir), Armutlu, Gemlik (Bursa), Alemdağ (İstanbul), Kalkım (Balıkesir), Çanakkale, *Quercus cerris*, *Q. frainetto* and *Q. coccifera* (Selmi, 1982).

Distribution in the world: Turkey, Greece (Clavareau, 1913), Bulgaria, Venezuela, Albania, Yugoslavia (Warchalowski, 1976), Bulgaria, Greece, Central Asia (Gruev and Tomov, 1984).

Pachybrachis mardinensis Weise, 1900

Distribution in Turkey: Mardin (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Pachybrachus mendax Suffrian, 1860

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Crimea, Azerbaijan, Armenia, Caucasus (Warchalowski, 1976).

Pachybrachus misellus Weise, 1900

Distribution in Turkey: Mardin (Clavareau, 1913), Turkey, no locality (Warchalowski, 1976). It is an endemic species in Turkey.

Pachybrachus oertzeni Weise, 1896

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Greece (Clavareau, 1913).

Pachybrachus scriptidorsum Marseul, 1875

Material examined: Silvan (Diyarbakır), 1000 m, 17.IV.1995, 2♂♂, *Salix* sp.; Pasinler (Erzurum), 11.VI.1996, 1♀.

Distribution in Turkey: Gümüşhane (Tomov and Gruev, 1975).

Distribution in the world: South Russia, Caucasus, West Siberia (Clavareau, 1913), Bulgaria (Warchalowski, 1976), Europe, Central Asia, Kazakhstan (Gruev and Tomov, 1984), East Europe, North Kazakhstan, Crimeaa (Yarosenko, 1985).

Pachybrachus sinuatus Mulsant, 1859

Pachybrachus haliciensis Mill, 1868 (Clavareau, 1913).

Material examined: Dikyar, Uzundere (Erzurum), 1450m, 2.VII.1994, 2♂♂; 17.VI.1995, 16♀♀, 22♂♂; 30.VI.1996, 6♀♀, 10♂♂, *Salix* spp..

Distribution in Turkey: Soğuksu, Kızılcahamam (Ankara) (Medvedev, 1975), Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Germany, Hungary, South France (Clavareau, 1913), Mid Europe (Mohr, 1966), Bulgaria, Poland, Albania, Yugoslavia (Warchalowski, 1976), Europe, Asia, Bulgaria (Gruev and Tomov, 1984).

Pachybrachus tesellatus (Olivier, 1791)

Cryptocephalus tesellatus Olivier, 1791 (Gruev and Tomov, 1984).

Material examined: Very common in Erzurum, Pasinler (Erzurum) and Bayburt, *Quercus* sp.; Erzincan, 1300 m, 8.VII.1993, 3♀♀, 2♂♂, *Quercus* sp..

Distribution in Turkey: Turkey, no locality (Warchalowski, 1976).

Distribution in the world: Germany, France, Austria, South Europe (Clavereau, 1913) South and Mid Europe (Mohr, 1966), Bulgaria, Poland, Venezuela, Albania, Yugoslavia, Greece, Azerbaijan, Armenia, Caucasus (Warchalowski, 1976), Europe, Bulgaria (Gruev and Tomov, 1984), North Caucasus (Yaroshenko, 1985).

***Pachybrachis tesellatus orientalis* Weise, 1900**

Material examined: Dikyar, Uzundere (Erzurum), 1500 m, 7.VI.1995, 6♀♀, 7♂♂, *Quercus* sp.; Şelale, Tortum (Erzurum), 1400 m, 9.VI.1996, 3♀♀, 2♂♂, *Quercus* sp.; Çamlıbel, Oltu (Erzurum), 1750 m, 14.VII.1996, 7♀♀, 4♂♂, *Quercus* sp.; Madenköprübaşı, İspir (Erzurum), 1300 m, 7.VII.1996, 3♀♀, 4♂♂, *Quercus* sp.; Erzincan, 1300 m, 7.VII.1993, 3♀♀, 4♂♂, *Quercus* sp..

Distribution in Turkey Kaynarca (İzmit), Soğuksu Millet Parkı, 1000m (Medvedev, 1970), Amasya, Ankara, Gümüşhane, Bayburt (Tomov and Gruev, 1975).

Distribution in the world: Asia Minor (Gruev and Tomov, 1984). (It is an endemic subspecies in Turkey).

Tribe: STYLOSOMINI

Genus: *Stylosomus* Suffiran, 1848

***Stylosomus subelongatus* Pic, 1899**

Distribution in Turkey: Torul (Gümüşhane) (Aslan and Özbek, 1997). In an endemic species in Turkey.

***Stylosomus tamaricis* (Herrich-Schaffer, 1838)**

Material examined: Dutlu, Oltu (Erzurum), 1200 m, 27.VI.1996, 6♀♀, 7♂♂, *Tamarix* sp..

Distribution in Turkey: Aegean, West Black Sea, Mediterranean Region (Warchalowski, 1991).

Distribution in the world: All Europe (Warchalowski, 1991).

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