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Contribution to the knowledge of the Pentatomidae (Heteroptera) fauna of Turkey

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A b s t r a c t : This study is based upon material of Pentatomidae collected from different localities in Turkey between 1963 and 2008. In this study a total 35 species from 21 genera belonged to three subfamilies (Asopinae, Podopinae and Pentatominae) of the family Pentatomidae were recorded in Turkey. In addition, new localities were found for some species which have already been reported in Turkey.

K e y w o r d s : Heteroptera, Pentatomidae, Fauna, Turkey.

Introduction

The pentatomids are known as Stink Bugs or Shield Bugs. They are frequently found in large numbers on crops and weeds. If disturbed, they will emit a pungent, evil-smelling liquid. They are mostly brown, some are greenish, although a few are highly colored. Stink bugs are distinguished from other bugs by their 3rd thorax, or the triangular scutellum, which is well extended to cover half of their back, but not covered the whole abdomen. Their legs are thin and with no spines. The antennae are four or five segmented. Their body is usually in shield-shaped. Nymphs look similar to their adults except they are wingless. Stink bugs mating occur in spring and/or summer, depending on the species. Eggs are laid in tight clusters glued to a host plant, usually on the underside of leaves or under barks. After hatching, the first instars often stay together with the empty egg-shell until they moult become the second instars. Then they disperse in search of food. Nymphs undergo five metamorphoses to become adults. Most of the Stink Bug species are plant suckers although some are predators to other insects. Some species in this family exhibit maternal care by standing guard over their egg batches. All Stink Bugs are active during the day. Pentatomidae is a cosmopolitan containing about 4112 species from 642 genera belonged to four subfamilies (Asopinae, Phyllocephalinae, Podopinae and Pentatominae) (RIDER 2002).

Some faunistic studies on this family in the Turkey have been made by AHMAD et al. (1990), FENT & AKTAÇ (1999), AWAD & PEHLIVAN (2001), BEYAZ & TEZCAN (2002), BOLU et al. (2006), KIYAK et al. (2004), KMENT & JINDRA (2005), LODOS et al. (1978, 1987, 1998), LODOS & ÖNDER (1983), ÖNDER et al. (1981, 1984), ÖZGEN et al. (2005a,b), TEZCAN & ÖNDER (1999, 2003).

The material of the family Pentatomidae was collected from different localities of Turkey

in 1963-2008. Provinces of the collected specimens are given in alphabetical order in the following list. The material is deposited in the Entomology Museum, Erzurum, Turkey (EMET).

Result

In this study, two species belonging to two genera from Asopinae, three species belonging to one genus from Podopinae and 28 species belonging to 18 genera from Pentatominae are recorded. As a result a total 35 species from 21 genera belonged to three subfamilies of the family of Pentatomidae were recorded in Turkey.

Family P e n t a t o m i d a e LEACH 1815

Subfamily A s o p i n a e AMYOT & SERVILLE 1843

Genus *Picromerus* AMYOT & SERVILLE 1843

Picromerus brachypterus AHMAD & ÖNDER 1990

M a t e r i a l e x a m i n e d : Bolu: Abant, 20.VII.1995, ♀; İzmir: Seferihisar, 21.VIII.1998, ♀; Rize: 8.VII.1990, ♀, 10.VII.1990, ♀, 26.VIII.1990, ♀, ♂, Anbarlık, 26.VIII.1990, 2 ♀ ♀.

Genus *Zicrona* AMYOT & SERVILLE 1843

Zicrona coerulea (LINNAEUS 1758)

M a t e r i a l e x a m i n e d : Erzurum: University field, 1850 m, 30.V.1992, ♀, 20.VI.2007, ♀, ♂, 24.VII.2007, ♀, ♂, 3.VIII.2007, ♀, 9.VII.2008, 2 ♀ ♀, 11.VII.2008, ♀, 23.VII.2008, 3.VIII.2008, 7 ♀ ♀, 4.VIII.2008, ♀, ♂, 8.VIII.2008, 8 ♀ ♀, 4 ♂ ♂, Aşkale, Adaçay, 1950 m, 11.VII.1990, ♀, Tortum, Aksu, 2250 m, 14.VII.1996, ♀, Tafta, 20.VI.1992, ♀; İğdir: 10.VII.1980, 2 ♀ ♀, ♂, Aralık, Aşağı Çamurlu, 900 m, 24.VIII.1997, 5 ♀ ♀, 3 ♂ ♂, Tuzluca, 24.VIII.1997, 3 ♀ ♀, 6 ♂ ♂; Kars: Sarıkamış, Akkurt, 1650 m, 25.VIII.1997, ♂; Rize: Ovit, 2300 m, 29.VII.2000, ♂.

Subfamily P e n t a t o m i n a e STÅL 1864

Tribe A e l i i n i STÅL 1872

Genus *Aelia* FABRICIUS 1803

Aelia acuminata (LINNAEUS 1758)

M a t e r i a l e x a m i n e d : Erzurum: University field, 30.VII.1990, ♀, Pasinler, 1600 m, 19.VI.1996, ♀, Şenkaya, 14.VII.1997, ♀; Kars: Hanak, 18.IX.1996, ♂; Trabzon: 8.VII.1990, ♂, 10.VII.1990, ♀.

***Aelia rostrata* BOHEMAN 1852**

Material examined: Adana: Kozan, 28.VII.1984, ♀; Adıyaman: 10.IX.1990, ♂, Besni, 29.VIII.1993, ♂; Ankara: Haymana, 21.VIII.1997, ♀, 23.VIII.1997, ♀, Kalecik, 30.VII.1990, ♀, 17.VIII.1990, ♂, 23.VIII.1990, ♀, Polatlı, 10.VIII.1990, ♀, Şereflikoçhisar, 10.VIII.1983, 5♀♀, 6♂♂, 15.VIII.1983, 8♀♀, 2♂♂; Antalya: 1.VIII.1984, ♀; Elazığ: 21.VII.1967, 2♀♀, 2♂♂, Karakoçan, 14.IX.1963, ♀; Erzurum: Palandöken, 2400 m, 1.VII.2007, ♀, University field, 1850 m, 3.VI.1983, ♀, 7.VI.2007, ♀, 14.VI.2007, ♀, 15.VI.2007, 2♂♂, 22.VI.2007, ♀, ♂, 23.VI.2007, 2♂♂, 26.VI.2008, 2♀♀, 27.VI.2007, ♀, ♂, 1.VII.2007, ♀, 1.VII.2008, 2♀♀, 3.VII.2008, 3♀♀, 16.VII.2008, ♀, 23.VII.2007, ♀, 2♂♂, 23.VII.2008, ♀, 27.VII.2007, ♀, ♂, 31.VII.2007, ♀, 1.VIII.2007, ♀, 3.VIII.2007, ♀, 8.VIII.1983, ♀, ♂, Ilıca, Yoncalık, 1900 m, 19.VIII.2007, 2♀♀, Pasinler, Ağcalar, 1850 m, 22.VIII.2007, ♀, 25.VIII.2007, ♀, Oltu, 1750 m, 17.VI.1996, ♀, Sütkans, 1500 m, 10.VII.1990, ♀, Şenkaya, Hoş, 12.VI.1996, ♀, Turnalı, 1750 m, 25.VII.1996, ♀; Eskişehir: 20.VII.1984, 3♀♀, 2♂♂, 27.VII.1990, ♀; Gaziantep: 16.VII.1993, ♀, 18.VIII.1993, ♂; İğdır: 14.VI.1969, ♂, 25.V.1971, ♀; İzmir: Gümüldür, 15.IV.1976, ♀; Kayseri: Saroğlan, 27.VIII.1997, 2♀♀, 8♂♂, Sarız, 5.IX.1990, ♀, ♂; Kırşehir: 15.VII.1993, ♂; Konya: University field, 13.VII.1997, ♀, Beyşehir, Gökçimen, 3.VII.1997, ♀, 21.VII.1997, 2♀♀, ♂, 21.VIII.1997, ♀, ♂; Mardin: 8.VIII.1973, ♂, 15.VIII.1973, 2♀♀, 2♂♂; Mersin: Silifke, 14.VII.1997, ♀; Muğla: Marmaris, 5.VIII.1993, ♀; Mus: 1.VI.1972, ♀; Yozgat: Sorgun, 25.VIII.1990, ♀.

Genus *Neottiglossa* KIRBY 1837***Neottiglossa leporina* (HERRICH-SCHÄFFER 1830)**

Material examined: Erzurum: Dumlu, 28.VII.1994, ♀, Palandöken, 2400 m, 1.VII.2007, 6♀♀, 2♂♂, Oltu, 1750 m, 28.VI.1971, ♀, Tortum, Arılı, 1600 m, 7.VIII.1996, ♂; İğdır: 25.VI.1971, 2♀♀, 3♂♂.

Tribe *Carpocorini* STÅL 1846**Genus *Carpocoris* KOLENATI 1846*****Carpocoris fuscispinus* (BOHEMAN 1849)**

Material examined: Adana: Balcalı, 12.VI.1993, ♀; Amasya: 14.VII.1993, ♀; Ankara: Şereflikoçhisar, 10.VIII.1983, ♀; Ardahan: 20.VII.1973, ♂; Bayburt: Kop Mountain, Şehitler Çeşmesi, 2400 m, 21.VIII.2008, ♀; Erzincan: Tercan, 26.IX.1979, ♀, 2♂♂; Erzurum: Kargapazarı Mountain, 14.VIII.1997, 2♀♀, Palandöken, 2400 m, 1.VII.2007, ♂, 13.VII.2007, ♀, 6.VIII.2007, ♂, University field, 1850 m, 26.VI.2008, ♂, 2.VII.2008, ♀, 2♂♂, 3.VII.2008, ♂, 4.VII.2008, ♀, 9.VII.2008, 2♀♀, 11.VII.2008, ♀, 16.VII.2008, ♀, 24.VII.2007, ♀, 24.VII.2008, 4♀♀, 25.VII.2007, ♀, 30.VII.2008, 3♀♀, 1.VIII.2008, ♀, 3.VIII.2008, 2♂♂, 29.VIII.2007, ♂, 30.VIII.2007, ♂, 1.IX.2007, ♀, 2♂♂, 3.IX.2007, ♀, 14.IX.2007, ♀, Horasan, 11.V.1973, ♂, Olur, Süngübayır, 1850 m, 15.VIII.1990, ♂, Şenkaya, Düzmeşe, 23.V.1977, 3♂♂, Tortum, Arılı, 1600 m, 7.VIII.1996, ♂, Derekapı, 1400 m, 9.VI.1974, ♀; Kars: Digor, 13.VIII.1997, ♀; Konya: Beyşehir, Gökçimen, 12.VII.1997, ♂; Mus: 9.X.1972, ♀.

***Carpocoris mediterraneus* TAMANINI 1958**

Material examined: Adana: 30.VIII.1992, ♀, 31.VIII.1992, ♀, 1.IX.1992, ♂, Kozan, 24.IX.1984, ♀, Yumurtalık, 25.VII.1993, ♀; Amasya: Hacıköy, 26.VIII.1993, 2♂♂; Antalya: 24.VI.1984, ♀, 2.VII.1984, ♂, 24.VII.1984, 2♀♀, 3♂♂, 24.VIII.1984, ♂, Gazipaşa, 16.VII.1996, ♂, Serik, 14.VI.1995, ♀, 3.VIII.1984, ♀, Topçam, 5.VII.1991, ♀, 2♂♂; Artvin: 4.VII.1996, ♂, 5.VII.1996, ♂; Burdur: Yarışlı, Yeşilova, 1.VII.1996, ♂, 2.VII.1996, ♀, 2.VIII.1996, ♀, ♂; Bursa: Ulubat Lake, 13.VIII.1984, ♂, İnegöl, 10.VIII.1983, ♂; Erzurum: İspir, Kan, 20.VIII.1997, ♀,

Sütkans, 1500 m, 4.VI.1990, ♀, ♂, Olur, Süngübayır, 1850 m, 24.VII.1996, ♀, Şenkaya, Akşar, 1300 m, 23.VIII.1997, 3♂♂, Turnalı, 1750 m, 3.VI.1989, ♀, 28.VI.1991, ♀, 25.VII.1996, 2♂♂, Tortum, 1600 m, 27.VII.1998, 2♀♀, ♂; Gümüşhane: Torul, 25.IX.1994, ♂; Hatay: 21.VIII.1993, ♀, ♂; Erzin, 8.VII.1995, ♂, İskenderun, Demen, 14.IX.1990, 2♂♂; Isparta: Eğirdir, 16.VII.1991, ♂, Ağıl, 16.VII.1991, ♀; İstanbul: Erenköy, 24.VII.1984, ♂, Kartal, 2.VIII.1984, ♂, Şile, 2.VIII.1984, ♀; İzmir: Bornova, 27.VII.1984, ♂, Kemalpaşa, 20.VIII.1984, ♂; Kahramanmaraş: Başkonuş, 1650 m, 25.VIII.1999, ♀; Konya: 9.VII.1995, ♂, Güneysınır, Güragaç, 1017 m, 6.VI.1999, ♂, 21.VI.1999, ♀, 22.VI.1999, ♂; Manisa: 14.VIII.1984, ♀, Akhisar, 15.VIII.1984, 2♀♀, ♂; Mersin: 4.IX.1992, ♂, Aydıncık, 10 m, 27.VII.2005, ♂, Silifke, 14.VII.1997, ♂, 21.VII.1997, ♀; Muğla: 8.VIII.1983, ♀, 11.VIII.1983, ♀, 14.VIII.1983, ♂, Datça, Kızlan, 1.VII.1997, 6♂♂, 3.VII.1997, ♂, 6.VII.1997, ♂, 20.VII.1997, 2♂♂; Mus: 8.VII.1996, ♀; Osmaniye: Çiftmazi, 24.VI.1980, 2♀♀, Kabayar, 16.VII.1997, ♂; Trabzon: Beşikdüzü, 15.IX.1994, ♂, 20.IX.1994, ♀.

Carpocoris melanocerus MULSANT 1852

M a t e r i a l e x a m i n e d : Amasya: 26.VII.1993, ♂, Hacıköy, 26.VIII.1993, ♀; Ankara: 28.VII.1997, ♂, 22.VIII.1995, ♂, Kalecik, 12.VIII.1990, ♂; Antalya: 24.VII.1984, ♀, 3.IX.1995, ♂; Artvin: 26.VII.1996, ♀; Burdur: Yarışlı, Yeşilova, 1.VIII.1996, 2♂♂; 2.VII.1996, ♂; Erzincan: Tercan, 26.IX.1979, 4♀♀; Erzurum: University field, 1850 m, 26.VII.2007, ♂, 4.VIII.2007, ♂, İspir, 1300 m, 20.VIII.1970, ♀, Madenköprübaşı, 1100 m, 7.VII.1996, ♀, 2♂♂, Şenkaya, Allahüekber Mountain, 14.VII.1997, ♀, ♂, Akşar, 1300 m, 23.VIII.1997, ♂, 29.VIII.1997, ♂, Turnalı, 1750 m, 27.VII.1996, ♂, 5.IX.1990, ♂, Tortum, 1600 m, 27.VII.1998, 2♂♂, Uzundere, Şelale, 1000 m, 9.VI.1996, ♀; Hatay: 21.VIII.1993, ♂; İğdir: Küllük, 24.VIII.1997, ♀, Melekli, 28.VII.1997, 2♂♂, 24.VIII.1997, ♂, Aralık, 2.VIII.1997, ♂, 18.VII.1997, ♀, ♂, 19.VII.1997, ♂; Isparta: Senirkent, 17.VII.1996, ♂; İzmir: Bornova, 27.VII.1984, 2♂♂; Kars: Kağızman, 9.VII.1980, ♂; Konya: Beyşehir, Gökçimen, 3.VII.1997, ♂, 26.VII.1997, ♂, Güneysınır, Güragaç, 1017 m, 18.VI.1999, ♂, 19.VII.1999, 2♂♂, 21.VII.1999, ♂; Malatya: Çiğlık, 1150 m, 23.VII.2005, ♀, ♂; Manisa: 14.VIII.1984, ♂; Muğla: 1.IX.1983, ♂; Mus: 16.VII.1996, ♂, Bağlar, 15.VII.1996, ♂.

Carpocoris purpureipennis (DE GEER 1773)

M a t e r i a l e x a m i n e d : Adana: Karaisaltı, Kızıldağ, Akpınar, 1650 m, 22.VII.2007, ♀; Antalya: Gazipaşa, 16.VII.1996, ♀, Topçam, 5.VII.1991, ♂; Artvin: Yusufeli, 26.VII.1996, ♀; Bitlis: 28.V.1985, ♂; Burdur: Yarışlı, Yeşilova, 1.VIII.1996, 2♀♀; Bursa: 14.VII.1996, ♂, Karacabey, 3.VII.1984, ♀; Erzincan: 9.VII.1990, ♂; Erzurum: İspir, Madenköprübaşı, 1100 m, 17.VII.1992, ♀, Oltu, 1750 m, 18.VI.1996, ♀, Sütkans, 1500 m, 4.VI.1990, ♀, 18.VI.1996, ♀, 1.VII.1990, ♀, Şenkaya, 29.VI.1989, ♀, 14.VII.1997, ♀, Düzmeşe, 23.V.1977, 5♀♀, 9♂♂, Turnalı, 1750 m, 25.VII.1996, ♂, Tortum, Arılı, 1600 m, 7.VIII.1996, ♂, Derekapı, 9.VI.1974, 10♀♀, 4♂♂, Pehlivanlı, 1300 m, 12.VII.1992, ♀; Hatay: İskenderun, Demen, 14.IX.1990, ♂; İğdir: 25.VII.1971, ♀, Küllük, 24.VIII.1997, 2♀♀, 30.VIII.1997, ♂, Melekli, 28.VII.1997, ♂, 24.VIII.1997, ♀; Kars: Sarıkamış, 2050 m, 14.VIII.2008, ♀, ♂, Karakurt, 24.VI.1989, ♂; Konya: 9.VII.1995, 3♀♀, Bozkır, 25.IX.1995, ♀, Güneysınır, Güragaç, 1017 m, 21.VI.1999, ♂, 22.VI.1999, 2♀♀; Mersin: Tarsus, 3.VII.1993, ♀, ♂; Muğla: Datça, Kızlan, 6.VII.1997, ♀; Mus: 10.VII.1996, ♀, 18.VIII.1996, ♀, 9.IX.1972, 2♂♂; Osmaniye: Kabayar, 15.VII.1997, ♀; Trabzon: 18.VII.1990, ♀; Tunceli: Pülümür, 18.V.1976, ♂; Yalova: 14.VIII.1996, ♀.

Genus *Cnephosa* JAKOVLEV 1880

Cnephosa flavomarginata JAKOVLEV 1880

M a t e r i a l e x a m i n e d : Bitlis: 28.VIII.1989, 4♀♀, 3♂♂; Kars: Sarıkamış, Karakurt, 24.VI.1989, ♀, 2♂♂.

Genus *Codophila* MULSANT & REY 1866***Codophila pusio* (KOLENATI 1846)**

Material examined: Ankara: Polatlı, 10.VIII.1980, ♀; Erzincan: Tercan, 26.IX.1979, ♀; Erzurum: University field, 1850 m, 9.VII.2008, ♂, 20.VII.2007, 2♀♀, 21.VII.2007, ♀, 31.VII.2007, ♀, 1.VIII.2008, ♀, 14.VIII.2007, ♀, 18.VIII.2008, ♂, 20.VIII.2007, ♂, Oltu, 1750 m, 20.VII.1970, 4♀♀, ♂, 3.IX.1987, ♂, Pasinler, 1600 m, 25.VII.1983, 2♀♀, 25.VII.1987, ♂, 26.VII.1980, ♀, 29.VIII.1987, 2♀♀; Kars: Kağızman, 25.VII.1997, ♂; Konya: University field, 14.VII.1997, ♀.

***Codophila varia* (FABRICIUS 1787)**

Material examined: Erzincan: Tercan, 26.IX.1979, ♀; Erzurum: University field, 9.IX.2007, ♀, İspir, Madenköprübaşı, 1100 m, 7.VII.1996, ♀; Hatay: Demen, 14.VI.1990, ♀; Konya: Güneysınır, Gürağaç, 21.VI.1999, ♀, 22.VI.1999, 2♀♀; Mersin: Silifke, 25.VII.1984, ♀; Muğla: Datça, Kızlan, 4.VII.1997, ♂; Mus: 16.VII.1996, ♂.

Genus *Dolycoris* MULSANT & REY 1866***Dolycoris baccharum* (LINNAEUS 1758)**

Material examined: Adana: 10.III.1969, ♂, Karaisalı, Kızıldağ, Akpınar, 1650 m, 22.VII.2007, ♀, Kozan, 13.VIII.1983, ♀, Sarımaç, 10.III.1969, ♀, Yumurtalık, 5.IV.1992, ♂; Adıyaman: Kahta, Nemrut Mountain, 1650 m, 2.VII.2008, ♀, 2♂♂; Ankara: Şereflikoçhisar, 10.VIII.1983, ♂, 15.VIII.1983, ♀; Antalya: 15.VIII.1990, ♀, Kumluca, 2.VII.1993, ♂, Serik, 3.VIII.1984, ♀, 11.VIII.1993, ♀, 14.IX.1995, ♀, Boztepe, 10.VIII.1992, ♀; Ardahan: 30.V.1973, ♀; Artvin: Hopa, 9.IX.1994, ♀, Çamlıköy, 1.IX.1994, ♀; Batman: 30.VI.1993, ♂; Erzincan: 9.VII.1990, 2♀♀, Refahiye, 8.IX.1987, ♀, Tercan, 29.VI.1980, ♀, 26.IX.1979, ♂, Üzümlü, 1.VII.1992, ♀; Erzurum: Akdağ, 25.VI.1980, ♂, Köşk, 20.VI.1971, ♀, Palandöken, 2400 m, 25.VII.2007, ♀, University field, 1850 m, 5.VII.2007, ♀, 8.VII.2007, ♀, 13.VII.2007, ♀, 14.VII.2007, ♀, 15.VII.2007, ♀, 18.VII.1972, ♂, 20.VII.1971, ♂, 20.VII.2007, 2♀♀, 28.VII.2007, ♀, 4.VIII.2007, ♀, 6.VIII.2008, ♀, Aşkale, Çayköy, 1800 m, 28.VIII.2007, ♂, İspir, Madenköprübaşı, 1100 m, 7.VII.1996, ♀, ♀, Narman, Beyler, 12.VI.1996, ♀, ♂, Oltu, 1750 m, 25.VI.1971, ♀, 3.IX.1987, ♂, Çamlıbel, 1700 m, 14.VII.1996, 2♀♀, Sütkans, 1500 m, 1.IX.1990, Pasinler, 1600 m, 13.VIII.1987, 13♀♀, 8♂♂, 18.VIII.1987, ♂, Şenkaya, 3.VI.1989, ♀, 14.VII.1997, ♂, 5.IX.1990, ♂, Düzmeşe, 23.V.1977, 5♀♀, 4♂♂, Güzelyalı, 22.VII.1993, ♀, Turnalı, 1750 m, 25.VI.1991, 2♀♀, ♂, 5.IX.1990, ♂, Tortum, 25.VII.1972, 4♂♂, Arılı, 1600 m, 7.VIII.1996, ♀, Derekapı, 1400 m, 8.VI.1974, ♂, 9.VI.1974, 3♀♀, 9♂♂, Kireçliadağ, 2100 m, 25.VI.1996, ♂; Gaziantep: 20.VIII.1993, ♀; Hatay: Iskenderun, Demen, 14.IX.1990, ♀, ♂, ♀; İstanbul: Beykoz, 30.VII.1984, ♀; Kars: Kümbetli, 27.VII.1994, ♂, Sarıkamış, 2050 m, 14.VIII.2008, ♀, ♂; Kayseri: Sarız, 7.VII.1990, ♀; Konya: Beyşehir, Gökçimen, 26.VII.1997, 3♀♀, 2♂♂, Güneysınır, Gürağaç, 1017 m, 21.VI.1999, ♀, 23.VI.1999, ♂, 19.VII.1999, Mersin: Gülova, 20.VII.1990, ♀, Silifke, 14.VII.1997, ♀, Tarsus, 3.VII.1983, 4♀♀, ♂, 4.VII.1993, 2♀♀, ♂, 6.VII.1993, 3♀♀, 7.VII.1993, ♀; Muğla: 14.VII.1996, ♀, 10.VIII.1983, ♀, 25.VIII.1983, ♀, 28.VIII.1983, ♀, Yatağan, 2.IX.1986, ♀; Mus: 21.VII.1971, ♀, 9.IX.1972, 3♀♀, 6.VII.1996, ♂; Osmaniye: 14.VII.1997, ♀; Sanlıurfa: Ceylanpınar, 400 m, 4.VII.1996, 2♀♀, 3♂♂; Trabzon: 11.VII.1990, ♀, 10.VII.1993, ♀, Beşikdüzü, 15.IX.1994, ♂.

Genus *Holcostethus* FIEBER 1860***Holcostethus vernalis* (WOLFF 1804)**

Material examined: Adıyaman: Kahta, Nemrut Mountain, 1650 m, 2.VII.2008, ♂; Aydın: 20.VII.1992, ♂; Bayburt: Aydıntepe, 1550 m, 21.VIII.2008, ♂; Bursa: 1.VIII.1984, ♀;

Erzurum: Pasinler, 1600 m, 1.VIII.1986, 4♂♂, 13.VIII.1987, ♀; Giresun: 30.VII.1984, ♀, 3♂♂; İstanbul: Beykoz, 30.VII.1984, ♂; İzmir: Kemaliye, 20.VIII.1979, ♀, ♂; Kars: Kağızman, 23.VII.1991, ♀; Ordu: Ünye, 18.VIII.1991, ♀.

Genus *Palomena* MULSANT & REY 1860

Palomena prasina (LINNAEUS 1761)

Material examined: Erzurum: Palandöken, 2400 m, 22.VII.2007, ♀, University field, 1850 m, 15.VI.2007, ♀, ♂, 23.VII.2008, ♀, Tortum, Derekapı, 1400 m, 9.VI.1974, ♀; Iğdır: 25.VII.1997, ♂.

Genus *Rhombocoris* MARY 1864

Rhombocoris regularis (HERRICH-SCHÄFFER 1851)

Material examined: Bayburt: Kop Mountain, 2400 m, 28.VI.1990, ♀; Erzurum: Palandöken, 2500 m, 23.VII.2007, ♀.

Tribe E u r y d e m i n i DISTANT 1902

Genus *Bagrada* STÅL 1862

Bagrada kaufmanni OSHANIN 1870

Material examined: Artvin: Yusufeli, 6.VI.1991, ♂; Erzurum: Olur, Coşkunlar, 1100 m, 26.VI.1996, ♀.

Genus *Eurydema* LAPORTE De CASTELNAU 1832

Eurydema blandum HORVATH 1903

Material examined: Ankara: 31.VII.1997, ♀; Artvin: Oruçlu, 16.VI.1973, ♀; Burdur: 3.VIII.1993, 6♀♀, ♂, 4.VIII.1993, ♂; Erzurum: University field, 1850 m, 18.V.2007, 3♂♂, 14.VI.1974, ♀, 14.VI.2007, 2♀♀, 15.VI.2007, ♀, 26.VI.2007, ♀, 26.VI.2008, ♂, 30.VI.2007, ♂, 1.VII.2008, 2♀♀, 2.VII.2008, 2♀♀, 7.VII.2008, 14♀♀, 14♂♂, 16.VII.2008, ♀, 23.VII.2008, 4♀♀, 4♂♂, 24.VII.2007, ♂, 24.VII.2008, ♂, 3.VIII.2007, ♂, 8.VIII.2008, 2♀♀, 18.VIII.2007, ♀, 18.VIII.2008, 4♀♀, ♂, İspir, Madenköprübaşı, 1100 m, 7.VII.1996, 2♀♀, Oltu, 1750 m, 12.VI.1996, ♂, 25.VI.1971, ♀, Şenkaya, Düzmeşe, 23.V.1977, ♀, ♂, Hoş, 12.VI.1996, ♀, Turnalı, 1750 m, 25.V.1994, ♂, Tortum, Pehlivanlı, 1300 m, 29.VI.1990, ♀; Gaziantep: 20.VIII.1993, ♀; İstanbul: 20.VII.1971, ♀, Beykoz, 30.VII.1984, ♀, Kartal, 2.VIII.1984, ♂; Konya: University field, 11.VII.1997, ♀, 14.VII.1997, ♀, Beyşehir, Gökçimen, 12.VII.1997, ♀, Güragaç, 10.VII.1998, ♂; Manisa: Saruhanlı, 14.VIII.1984, ♀, ♂; Mersin: 17.IV.1963, ♀; Muğla: 12.VIII.1983, 2♀♀, ♂, Datça, Kızlan, 4♀♀, 2♂♂.

Eurydema formosum (PUTON 1895)

Material examined: Giresun: 29.VII.1994, ♀.

Eurydema laticolle HORVATH 1907

Material examined: Mersin: Silifke, 26.VII.1984, 3♀♀.

***Eurydema oleraceum* (LINNAEUS 1758)**

Material examined: Bayburt: Aydıntepe, 1550 m, 21.VIII.2008, ♀; Erzurum: Palandöken, 2400 m, 1.VII.2007, 2♂♂, University field, 1850 m, 4.VII.2008, ♀, 8.VIII.2007, 2♂♂, Pasinler, Rabat, 2400m, 11.VII.1996, ♀, Şenkaya, 14.VII.1997, ♀, ♂, Turnalı, 1750 m, 25.VII.1996, ♂, Tortum, Kireçliadağ, 2100 m, 25.VI.1996, ♀; Giresun: 20.VII.1984, 8♀♀, 5♂♂; Kars: Sarıkamış, 2050 m, 14.VIII.2008, 2♀♀, 2♂♂; Trabzon: Kadirga, 13.VIII.1993, ♀.

***Eurydema ornatum* (LINNAEUS 1758)**

Material examined: Adana: Karaisalı, Kızıldağ, Akpınar, 1650 m, 22.VII.2007, 2♀♀, Kozan, 25.VI.1984, ♀; Adıyaman: Hasancık, 650 m, 3.VII.2008, ♀; Amasya: 6.VIII.1983, ♀; Ankara: 28.VII.1997, ♂; Antalya: 1.VIII.1984, ♂, 4.VIII.1997, ♀, ♂, Kumluca, 11.VIII.1993, ♂; Burdur: 3.VIII.1993, ♂, 4.VIII.1993, 4♀♀, 3♂♂, 5.VIII.1993, 2♀♀, 6.VIII.1993, ♀, 3♂♂, 9.VIII.1983, ♀, 9.VIII.1993, ♀, ♂, 10.VIII.1993, 3♀♀, 12.VIII.1993, ♀; Elazığ: İçme, 900 m, 23.VII.2005, ♂; Erzincan: 9.VII.1990, ♀; Erzurum: University field, 1850 m, 28.VI.2007, ♂, 9.VII.2007, ♀, 23.VII.2008, 2♀♀, 4♂♂, 24.VII.2008, ♀, ♂, 30.VII.2008, 28♀♀, 15♂♂, 31.VII.2007, ♀, 1.VIII.2008, 7♀♀, 9♂♂, 3.VIII.2008, 9♀♀, 12♂♂, 4.VIII.2008, 3♀♀, ♂, 8.VIII.2008, 16♀♀, 5♂♂, 18.VIII.2008, 7♀♀, 10♂♂, 10.IX.2007, ♀, 14.IX.2007, ♂, Aşkale, Çayköy, 1800 m, 29.VIII.2007, ♀, İspir, 1300 m, 30.VII.1990, 2♀♀, ♂, Madenköprübaşı, 1100 m, 7.VII.1996, ♀, Oltu, 1750 m, 10.VII.1985, ♂, Şenkaya, Akşar, 1300 m, 23.VIII.1997, ♀, Düzmeşe, 23.V.1977, ♂, Sarıkayalar, 21.VIII.1997, ♀; Gaziantep: 8.VIII.1993, ♀, 20.VIII.1993, ♀; Giresun: 19.VII.1984, 2♀♀, ♂, 20.VII.1984, ♀, ♂; Gümüşhane: Torul, 9.VIII.1994, ♀; İğdir: 25.VI.1971, ♀, Küllük, 22.VIII.1991, ♀, 24.VIII.1997, ♀, ♂; İstanbul: Beykoz, 30.VII.1984, ♀, Çamlıca, 22.VII.1984, ♀, 3♂♂; Konya: University field, 13.VII.1997, 2♂♂, Güneysınır, Gurağaç, 1017 m, 10.VII.1998, ♀, 19.VII.1999, ♀; Manisa: Saruhanlı, 14.VIII.1984, 3♀♀; Mersin: Aydıncık, 6.VIII.2006, ♀, Silifke, 21.VII.1997, 2♀♀, 26.VII.1984, ♂; Muğla: Datça, Kızılan, 4.VII.1997, ♀, ♂, 6.VII.1997, 2♀♀; Trabzon: 9.VII.1990, ♀, 11.VII.1990, 3♀♀, 12.VII.1990, ♀, 20.VII.1990, ♀, 24.VII.1990, ♀; Yozgat: Boğazlıyan, 23.VII.1994, ♀.

***Eurydema ventrale* KOLENATI 1846**

Material examined: Adana: Yumurtalık, 22.VII.1993, ♀, ♂, 3.VIII.1993, ♀, 9.VIII.1993, ♀; Antalya: 24.VII.1984, 3♀♀, 27.VII.1994, ♂, 2.VIII.1984, 6♀♀, 2♂♂, 2.VIII.1997, ♂, Serik, 17.VII.1993, ♀, 17.VIII.1993, ♀; Erzurum: University field, 1850 m, 30.V.2007, ♂, 10.VI.2007, ♀, 14.VI.2007, ♀, 2♂♂, 26.VI.2008, ♀, ♂, 2.VII.2008, 2♂♂, 4.VII.2008, ♀, 2♂♂, 7.VII.2008, ♀, 7♂♂, 23.VII.2008, ♀, ♂, 4.VIII.2008, ♀, 8.VIII.2008, ♀, 18.VIII.2007, 2♀♀, 3♂♂, Narman, 1600 m, 5.VII.1980, ♂, Oltu, 1750 m, 25.VI.1971, ♀, Şenkaya, Düzmeşe, 23.V.1977, ♀, ♂, Turnalı, 1750 m, 29.VI.1989, ♀, Tortum, 1600 m, 9.VI.1996, ♀, Kireçliadağı, 2100 m, 25.VI.1996, ♀, Pehlivanlı, 1300 m, 29.VI.1990, 2♀♀; İstanbul: Erenköy, 14.VII.1984, ♀; İzmir: Bergama, 9.VIII.1984, ♂, Çınarlı, 12.VIII.1984, ♀; Mersin: Silifke, 20.VIII.1987, 3♀♀, 2♂♂; Trabzon: 18.VII.1990, ♀.

Tribe *Eysarcorini* MULSANT & REY 1866**Genus *Eysarcoris* HAHN 1834*****Eysarcoris inconspicuus* (HERRICH-SCHÄFFER 1844)**

Material examined: Adana: 19.VIII.1992, ♀, 2♂♂, Akçam, 7.IX.1993, ♀, 10.IX.1993, ♀, 13.IX.1993, ♀, 20.IX.1993, ♂, Karataş, 18.VII.1984, 2♂♂, Kozan, 28.VII.1984, ♀, 25.IX.1984, 3♀♀, ♂, Ankara: Çiftlik, 15.VIII.1994, ♀; Antalya: 1.VIII.1984, ♀; Bursa: Orhangazi, 30.VII.1984, ♀, 22.VIII.1984, ♀; Erzurum: University field, 1850 m, 25.IX.2007, ♂, İspir, Kan, 20.VIII.1990, ♀, Oltu, 10.VII.1985, ♀, 30.VII.1987, ♂; Gaziantep: 9.VII.1993, ♀; Hatay: 21.VIII.1993, ♂; İstanbul: Beykoz, 30.VII.1984, ♀, Kartal, 2.VIII.1984, 2♀♀; İzmir:

Çınarlı, 12.VIII.1984, 2 ♀ ♀; Ordu: Gölyalı, Turnasuyu, 13.VIII.1991, ♀, Ünye, 18.VIII.1991, ♂; Osmaniye: 22.VIII.1984, 2 ♀ ♀, ♂; Rize: 20.VIII.1990, ♀, Çamlıhemşin, 30.VII.2000, 500-1200 m, ♂; Samsun: 7.VI.1973, ♀; Trabzon: Kadırga, 13.VIII.1993, ♂, Vakfikebir, Yıldız, 16.VII.1993, ♀, ♂, 17.VII.1993, 2 ♂ ♂.

Genus *Stagonomus* GORSKI 1852

Stagonomus bipunctatus (LINNAEUS 1758)

Material examined: Antalya: 1.VIII.1984, ♀; Konya: Güneysmır, Güragaç, 1017 m, 19.VII.1999, ♀, ♂; Trabzon: Vakfikebir, Yıldız, 17.VII.1993, ♀.

Stagonomus pusillus (HERRICH-SCHÄFFER 1830)

Material examined: Antalya: 1.VIII.1984, ♀.

Tribe Halyni STÁL 1872

Genus *Apodiphus* SPINOLA 1837

Apodiphus amygdali (GERMAR 1817)

Material examined: Adana: 28.VII.1995, ♂, 19.VIII.1993, 5 ♀ ♀, Kozan, 28.VII.1984, ♀, Yumurtalık, 30.VII.1993, ♀; Adıyaman: 12.VII.1990, ♀; Antalya: 24.VII.1984, ♂, 11.VIII.1997, ♂, Gazipaşa, 13.VII.1996, ♀, Manavgat, 7.VII.1996, ♀, 10.VII.1996, ♀, 30.VII.1996, ♀, 5.VIII.1996, 2 ♀ ♀, 2 ♂ ♂, Serik, 16.VIII.1996, ♀, Turunçova, 1.VIII.1995, ♀, 4.VIII.1995, ♀; Artvin: 5.VII.1996, ♀, 2 ♂ ♂, Yusufeli, 4.VI.1991, 2 ♀ ♀, 15.VIII.1991, ♀, Aşbişen, 28.VI.1996, ♀, Demirkent, 6.VI.1991, ♀, 8.VII.1992, ♀, Işhan, 5.VIII.1991, ♀; Aydın: İncirliova, 60 m, 22.VII.1994, ♂; Bingöl: 16.VII.1974, 3 ♀ ♀; Burdur: 19.VII.1993, 2 ♀ ♀, ♂, 24.IX.1993, ♂, Bucak, Çamlık, 17.VII.1996, ♀, Yarıklı, Yeşilova, 11.VII.1996, ♀, 12.VIII.1996, ♀; Diyarbakır: 13.VI.1990, ♀, 7.VIII.1985, ♀, 10.VIII.1983, 2 ♀ ♀; Erzincan: Çakırman, 28.VIII.1991, ♀; Erzurum: 1800 m, 1.VI.1983, ♀, İspir, 1300 m, 24.VII.1991, ♀, 16.VII.1992, ♀, Madenköprübaşı, 1100 m, 17.VII.1992, ♀, Oltu, Ayvalı, 20.VIII.1992, ♀, Olur, Taşlıköy, 12.VII.1991, ♀; Gaziantep: 12.VII.1993, ♀, ♂, 16.VII.1993, ♂, 14.VIII.1993, 2 ♂ ♂, 19.VIII.1993, ♂, 20.VIII.1993, 3 ♀ ♀, ♂; Hatay: 5.VII.1993, ♀, 6.VII.1993, 2 ♀ ♀, ♂, 30.VII.1993, ♀, İskenderun, 21.VII.1990, ♀, Kırıkhan, 4.VII.1996, 2 ♀ ♀, 2 ♂ ♂; Iğdır: Melekli, 18.VII.1997, ♀; Isparta: Senirkent, 17.VII.1996, ♀; Konya: 8.VIII.1985, ♀; Malatya: 3.VII.1993, ♂, 4.VII.1993, ♀, 12.VII.1993, ♂, 13.VII.1993, ♀, 14.VII.1993, ♀, ♂, 17.VII.1993, ♀, 2.VIII.1993, ♀, 4.VIII.1993, ♂, 22.VIII.1993, ♂, 23.VIII.1993, ♂, 24.VIII.1993, ♂, 25.VIII.1993, ♂, 26.VIII.1993, ♂, 3.IX.1996, ♀, 10.IX.1996, ♂, Akçadağ, 28.VI.1996, ♂, 10.VIII.1996, ♀, Battalgazi, 15.VI.1996, ♂, 5.VII.1996, ♂; Mardin: Harput, Şimal Mezra, 20.VIII.1973, ♂; Muğla: 13.VIII.1983, ♀, 15.VIII.1983, 2 ♂ ♂, 20.VIII.1984, ♀, 26.VIII.1983, 2 ♂ ♂; Mus: 18.VIII.1996, ♀; Osmaniye: 18.VII.1993, 2 ♀ ♀, 10.VIII.1993, ♀, 15.VIII.1993, 4 ♀ ♀; Rize: Fındıklı, 22.VIII.1992, ♀.

Genus *Mustha* AMYOT & SERVILLE 1843

Mustha spinosula (LEFEBVRE 1831)

Material examined: Adana: 22.VIII.1992, ♂; Amasya: 19.VIII.1992, ♀; Antalya: Manavgat, 1.VII.1996, ♂, 30.VIII.1996, ♀; Artvin: 4.VII.1996, ♀, Yusufeli, 1.VII.1996, ♀.

Demirkent, 450 m, 6.VII.1994, ♀; Aydın: 20.VII.1996, ♂; Bahkesir: Bigadiç, 7.VI.1992, ♀, 1.VII.1992, ♂; Bingöl: 16.VI.1974, ♂; Burdur: 6.VII.1993, ♀; Gaziantep: 9.VII.1993, ♀; Isparta: Eğirdir, Ağıl, 22.VII.1991, ♂; İzmir: Bornova: 1.VIII.1995, ♀, Menemen, 7.VIII.1995, ♂; Konya: Güneysınır, Gurağaç, 1017 m, 11.VI.1999, ♂, 18.VI.1999, 3♀ ♀, ♂, 22.VI.1999, ♀, ♂; Mersin: Tarsus, 9.VII.1992, 2♂♂, 12.VII.1992, ♀, 18.VII.1992, ♂; Osmaniye: 18.VII.1993, ♀, 10.VIII.1993, 2♀ ♀, 17.VIII.1993, ♂; Rize: Fındıklı, 24.VIII.1992, ♀, 25.VIII.1992, ♀, 26.VIII.1992, ♂; Sanlıurfa: Halfeti, 20.VI.1991, ♀, 29.VI.1991, ♀.

Tribe P e n t a t o m i n i LEACH 1815

Genus *Acrosternum* FIEBER 1861

Acrosternum heegeri FIEBER 1861

M a t e r i a l e x a m i n e d : Antalya: Manavgat, 1.VII.1996, ♂; Ardahan: Posof, 30.V.1973, ♀; Artvin: 18.VIII.1990, ♀; Erzurum: Şenkaya, Turnalı, 1750 m, 25.VII.1996, ♀, ♂; İstanbul: Erenköy, 17.VII.1984, ♂, 24.VII.1984, 2♀ ♀; İzmir: Kemalide, 20.VIII.1979, ♀; Muğla: Datça, Kızılan, 1.VII.1997, ♀; Trabzon: 30.VII.1990, ♀, 10.VII.1993, ♂, 30.VI.1996, ♀, Araklı, 8.IX.1995, 2♀ ♀, ♂, Kadirga, 13.VIII.1993, ♂, Yeşilova, 20.VIII.1991, ♀, 2♂♂.

Genus *Nezara* AMYOT & SERVILLE 1843

Nezara viridula (LINNAEUS 1758)

M a t e r i a l e x a m i n e d : Adana: Cevdediye, 4.IV.1969, ♀, Kozan, 29.VI.1983, ♂, 29.V.1985, 6♀ ♀, 2♂♂, 28.VII.1984, 2♀ ♀, ♂, 5.VIII.1995, ♀, Savruk, 1.VII.1996, ♀, 2.VII.1996, ♀, 10.VII.1996, ♀, Yumurtalık, 5.IV.1992, ♀, 3.VII.1993, ♀, ♂, 21.VII.1993, ♀, 22.VII.1993, ♀, ♂, 9.VIII.1993, ♀, 11.VIII.1993, ♀; Adıyaman: Hasancık, 650 m, 3.VII.2008, ♀, ♂, Besni, 29.VIII.1993, ♂; Antalya: 24.VII.1984, 2♀ ♀, 3♂♂, 14.VIII.1984, ♂, Gazipaşa, 3.VIII.1996, ♀, 11.VIII.1996, ♂, Kumluca, 10.VII.1993, 2♀ ♀, Manavgat, 1.VII.1996, ♀, 10.VIII.1996, ♀, Serik, 18.VII.1996, ♀, 7.VIII.1993, 2♀ ♀, 8.VIII.1993, ♀, 11.VIII.1993, ♀, 18.VIII.1993, ♀, 20.VIII.1993, 2♀ ♀; Turunçova, 7.VII.1995, ♀, 11.VII.1995, ♀, 16.VII.1995, ♀; Aydın: Susan, 22.VIII.1984, ♀, Yenihisar, 3.VIII.1996, ♀; Bayburt: Kop Mountain, Şehitler Çeşmesi, 2400 m, 21.VIII.2008, 2♀ ♀; Çankırı: Eskipazar, 11.IX.1984, ♀; Erzurum: University field, 1850 m, 16.VI.2007, ♂, 29.VI.2007, 2♀ ♀, ♂, 3.VIII.2008, ♀, İspir, Kan, 20.VIII.1990, 2♀ ♀, Narman, 1600 m, 5.VII.1980, ♀, Pasinler, 1600 m, 29.VI.1987, ♀, Şenkaya, Turnalı, 1750 m, 3.VI.1989, ♀, ♂, 29.VI.1989, ♀, Tortum, Kirazlı, 6.VI.1980, ♀, Kireçlidağı, 2100 m, 25.VI.1996, ♀; Gaziantep: 15.VII.1993, ♂; Hatay: 21.VII.1990, 3♀ ♀, İskenderun, Demen, 14.VII.1990, 7♂♂, ♀, 14.IX.1990, ♀; Isparta: 4.VII.1990, 3♀ ♀, Atabey, 10.VIII.1990, ♀, Serinkent, 18.VII.1996, ♀; İstanbul: Çamlıca, 18.VIII.1984, ♀; Kars: Sarıkamış, 2050 m, 14.VIII.2008, ♀; Malatya: Battalgazi, 12.VIII.1996, ♂; Manisa: Saruhanlı, 14.VIII.1984, ♂; Mersin: Gülnar, 4.VII.1990, ♀, Tarsus, 22.VII.1984, 4♀ ♀; Muğla: 26.VIII.1983, ♀, Datça, Kızılan, 3.VII.1997, ♀, 4.VII.1997, 6♀ ♀, 5.VII.1997, ♂, Yatağan, 28.VIII.1986, ♂; Rize: Ambarlık, 15.VIII.1990, ♀; Samsun: Çarşamba, 27.VIII.1995, ♂; Trabzon: 10.VIII.1993, ♂.

Genus *Piezodorus* FIEBER 1860

Piezodorus lituratus (FABRICIUS 1794)

M a t e r i a l e x a m i n e d : Adana: Sargazi, 10.VIII.1969, ♂; Adıyaman: Besni, 29.VIII.1993, ♂; Artvin: Hopa, 2.IX.1994, ♂, Yusufeli, Morkaya, 6.VI.1991, ♂; Burdur: 6.VII.1993, ♂; Kars:

Kağızman, 9.VII.1980, 2♀♀, 24.VII.1984, ♀, 23.VIII.1991, ♂, Sarıkamış, 2050 m, 14.VIII.2008, ♀; Mersin: Gülnar, 20.VII.1990, 2♀♀; Samsun: 20.V.1967, ♂; Sanlıurfa: Ceylanpınar, 400 m, 4.VII.1996, ♂; Trabzon: 10.VII.1990, ♂.

Genus *Rhaphigaster* LAPORTE DE CASTELNAU 1862

Rhaphigaster nebulosa (PODA 1761)

Material examined: Adana: 19.VIII.1992, ♂; Ankara: Kızılören, 14.VII.1996, ♀; Antalya: Turunçova, 4.VIII.1995, ♂, 7.VIII.1995, ♀; Artvin: Yusufeli, 15.VIII.1991, ♀; Aydın: Yenihisar, 2.VIII.1996, ♂; Bingöl: 11.VI.1974, ♀; 16.VI.1974, ♀; Erzincan: Üzümlü, 29.V.1991, ♀; Gümüşhane: 17.VI.1979, ♀; Hakkâri: Uludere, 9.IX.1974, ♂, Şemdinli, 9.IX.1974, ♂; İğdir: 9.VI.1974, ♀; 16.VII.1997, ♀, 21.IX.1977, ♀; İstanbul: Çamlıca, 25.VIII.1984, ♂, Erenköy, 19.VII.1984, ♂; Kütahya: Simav, 3.X.1985, ♀; Malatya: 6.VII.1993, 2♂♂, 7.VII.1993, ♂, 26.VII.1993, ♂, 5.IX.1996, ♂; Muğla: 22.VIII.1993, ♀, ♂, Datça, Kızlan, 3.VII.1997, ♂, 14.VII.1997, ♀; Trabzon: Maçka, 27.VII.1996, ♂.

Subfamily P o d o p i n a e AMYOT & SERVILLE 1843

Genus *Graphosoma* LAPORTE De CASTELNAE 1832

Graphosoma italicum (MÜLLER 1766)

Material examined: Adıyaman: Besni, 22.VIII.1993, ♀, ♂, 29.VIII.1993, ♀, Kahta, Nemrut, 1650 m, 2.VII.2008, ♂; Ankara: 21.VII.1995, 2♀♀, Kalecik, 13.VIII.1990, ♀; Antalya: 11.VIII.1997, ♀, Aspendos, 26.VIII.1993, ♂, Kuşluca, 2.VII.1993, 2♀♀, Manavgat, 2.VII.1996, ♀, 7.VII.1996, ♀, 10.VII.1996, ♀, 2.VIII.1997, ♂, 15.VIII.1996, ♂, 15.VIII.1997, ♂, Serik, 11.VII.1996, ♀, 26.VII.1996, ♀, 23.VIII.1996, ♂, Turunçova, 16.VII.1995, ♀, 1.VIII.1995, ♀, 9.VIII.1995, ♀; Burdur: 6.VI.1993, ♀, 6.VII.1993, 9♀♀, 7♂♂, 6.VIII.1993, 2♂♂, Bucak, Çamlık, 4.VII.1996, ♀, ♂, 6.VII.1996, 2♀♀, 7.VII.1996, 2♂♂, 8.VII.1996, ♂, 9.VII.1996, ♀, 11.VII.1996, ♀, ♂, 13.VII.1996, ♀, ♂, 14.VII.1996, ♂, 15.VII.1996, ♀, 19.VII.1996, ♀, ♂, 20.VII.1996, ♀, 23.VII.1990, ♀; Bursa: 3.VII.1996, ♀, ♂; Erzincan: Kemalîye, 30.V.1991, ♂, 20.VIII.1979, 16♀♀, 6♂♂; Erzurum: University field, 1850 m, 10.VIII.2007, ♀, Oltu, Sütkans, 1500 m, 25.VI.1996, ♀, Tortum, Pehlivanlı, 1300 m, 12.VII.1992, ♂; Gaziantep: 30.VIII.1993, ♀; Isparta: Senirkent, 5.VII.1996, ♀, ♂, 7.VII.1996, ♂, 8.VII.1996, ♂, 9.VII.1996, 2♀♀, 12.VII.1996, 3♀♀; İstanbul: Tuzla, 20.IX.1994, 2♀♀, 3♂♂; Kars: Sarıkamış, 2050 m, 14.VIII.2008, ♀; Konya: 9.VII.1995, ♀, Beyşehir, Gökçimen, 21.VIII.1997, ♂, Güneysınır, Güragaç, 1017 m, 10.VII.1998, ♀; Muğla: 10.VIII.1983, ♀, 16.VIII.1983, ♀; Sinop: 20.VII.1977, 2♀♀, 2♂♂, Yalova: 14.VIII.1996, ♀.

Graphosoma melanoxanthum HORVATH 1903

Material examined: Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.2007, ♀, Oltu, Sütkans, 1500 m, 25.VI.1996, ♂.

Graphosoma semipunctatum (FABRICIUS 1775)

Material examined: Adıyaman: Besni, 22.VIII.1993, 4♀♀, 2♂♂, 29.VIII.1993, ♀; Antalya: 7.IX.1995, ♂; Bursa: 1.VII.1996, ♀; Elazığ: İçme, 900 m, 23.VII.2005, ♀; Erzurum: Şenyurt, 2000 m, 27.VI.1996, ♂, İspir, Madenköprü, 1100 m, 7.VII.1996, ♂, Oltu, 1750 m, 17.VI.1996, ♀, Şenkaya, Akşar, 1300 m, 23.VIII.1997, 8♀♀, 2♂♂, 28.VIII.1997, ♀, ♂, Tortum, Kaledibi, 1500 m, 5.VII.1992, ♀, ♂, Kireçliadağ, 2100 m, 25.VI.1996, ♀, 2♂♂, Pehlivanlı, 1300 m, 12.VII.1992, ♀, ♂; Kars: Sarıkamış, Akkurt, 1650 m, 25.VIII.1997, 2♀♀.

Zusammenfassung

Vorliegende Studie behandelt Pentatomiden-Material, das im Zeitraum 1963 bis 2008 an verschiedenen Orten der Türkei gesammelt wurde. 35 Arten aus 21 Gattungen und drei Unterfamilien (Asopinae, Podopinae und Pentatominae) konnten nachgewiesen werden.

References

- AHMAD I. & F. ÖNDER (1990): A revision of the genus *Picromerus* AMYOT and SERVILLE (Heteroptera: Pentatomidae: Pentatominae: Asopini) from western Palaearctic with description of the new species from Turkey. — *Türkiye Entomoloji Dergisi* **14** (2): 75-84.
- AKTAÇ N. & M. FENT (1999): Edirne yöresi Pentatomidae (Heteroptera) faunası üzerine taksonomik ve faunistik araştırmalar. — *Tr. J. of Zoology* **23** (Ek Sayı 2): 377-395.
- AWAD T. & E. PEHLIVAN (2001): Systematic and faunistic study of the species of the tribe Carpocorini (Heteroptera: Pentatomidae: Pentatominae) in Turkey part I: *Holcogaster* FB., *STARIA* D. and *Cnephosa* JAK. — *Türkiye Entomoloji Dergisi* **25** (3): 163-174.
- BEYAZ G. & S. TEZCAN (2002): Kültür kekiği (*Origanum* spp.) (Lamiaceae)'ndeki Heteroptera takımına bağlı böcek faunasının belirlenmesi üzerinde çalışmalar. — *Türkiye Entomoloji Dergisi* **26** (1): 3-10.
- BOLU H., ÖZGEN İ. & M. FENT (2006): Diyarbakır, Elazığ ve Mardin illeri badem ağaçlarında bulunan Pentatomidae (Heteroptera) türleri. — *Yüzüncü Yıl Üniv. Zir. Fak. Tarım Bilimleri Dergisi* **16** (1): 25-28.
- KIYAK S., ÖZSARAÇ Ö. & A. SALUR (2004): Additional notes on the Heteroptera fauna of Nevşehir province (Turkey). — *G. U. Journal of Science* **17** (1): 21-29.
- KMENT P. & Z. JINDRA (2005): New and interesting records of true bugs (Heteroptera) from Turkey, southeastern Europe, Near and Middle East. — *Acta Entomologica Musei Nationalis Pragae* **45**: 3-16.
- LODOS N. & F. ÖNDER (1983): Contribution to the study on the Turkish Pentatomoidea (Heteroptera). VI. Asopinae (AMYOT & SERVILLE, 1843). — *Türk. Bit. Kor. Derg.* **7** (4): 221-230.
- LODOS N., ÖNDER F., PEHLIVAN E. & R. ATALAY (1978): Ege ve Marmara Bölgesinin zararlı bölge faunasının tespiti üzerine çalışmalar. T.C. Gıda-Tarım ve Hayvancılık Bakanlığı Zırai Mücadele ve Zırai Karantina Genel Müdürlüğü, Ankara.
- LODOS N., ÖNDER F., PEHLIVAN E., ATALAY R., ERKİN E., KARSAVURAN Y. & S. TEZCAN (1987): Akdeniz bölgesinin ziraatta zararlı ve faydalı böcek faunasının tespiti üzerinde araştırmalar [Curculionidae, Scarabaeidae (Coleoptera), Plataspidae, Cydnidae, Acanthosomatidae, Scutelleridae, Pentatomidae, Lygaeidae, Miridae (Heteroptera)]. — *Ege Üniversitesi, Ziraat Fakültesi, Bitki Koruma Bölümü, Bornova, İzmir*, 75 pp.
- LODOS N., ÖNDER F., PEHLIVAN E., ATALAY R., ERKİN E., KARSAVURAN Y., TEZCAN S. & S. AKSOY (1998): Faunistik studies on Pentatomoidea (Plataspidae, Acanthosomatidae, Cydnidae, Scutelleridae, Pentatomidae) of Western Black Sea, Central Anatolia and Mediterranean Regions of Turkey. — *Department of Plant Protection Faculty of Agriculture University of Ege, Bornova, İzmir*: 27-67.
- ÖNDER F., A. ÜNAL & E. ÜNAL (1981): Heteroptera fauna collected by light traps in some districts of Northwestern part of Anatolia. — *Türk. Bit. Kor. Derg.* **5** (3): 151.
- ÖNDER F., ÜNAL A. & E. ÜNAL (1984): Heteropteraus insects collected by light traps in Edirne. — *Türk. Bit. Kor. Derg.* **8**: 215-224.
- ÖZGEN İ., GÖZÜAÇIK C., KARSAVURAN Y. & M. FENT (2005a): Güneydoğu Anadolu Bölgesi buğday alanlarında bulunan Pentatomidae (Heteroptera) familyasına ait türler üzerinde araştırmalar. — *Türkiye Entomoloji Dergisi* **29** (1): 61-68.

- ÖZGEN İ., GÖZÜAÇIK C., KARSAVURAN Y. & M. FENT (2005b): Doğu ve Güneydoğu Anadolu bölgesinde antepfıstığı, kayısı, kiraz ve zeytin ağaçlarında bulunan Pentatomidae (Heteroptera) familyasına ait türlerin saptanması üzerinde çalışmalar. — Ege Üniv. Zir. Fak. Dergisi **42** (2): 35-43.
- RIDER D. (2002): Stink Bugs – Family Pentatomidae. — http://www.brisbaneinsects.com/brisbane_stinkbugs/Pentatomidae.htm
- TEZCAN S. & F. ÖNDER (1999): Heteropterous insects associated with cherry trees in Kemalpaşa district of Izmir, Turkey. — VIth European Congress of Entomology, 23-29 August 1998, Ceske Budejovice, Czech Republic, Book of Abstracts **2**: 650. Ege Üniversitesi Ziraat Fakültesi Dergisi **36** (1-3): 119-124.
- TEZCAN S. & F. ÖNDER (2003): İzmir ve Manisa İlleri ekolojik kiraz bahçelerinin faunası üzerinde araştırmalar: Heteroptera takımına bağlı türler üzerinde bir değerlendirme. — Anadolu **13** (1): 124-131.

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