

**Contribution to the Knowledge of Longhorned Beetles
(Coleoptera, Cerambycidae) from Turkey Subfamilies Prioninae,
Lepturinae, Spondylidinae and Cerambycinae**

Hüseyin ÖZDİKMEN Üzeyir ÇAGLAR

Gazi University, Faculty of Science and Arts, Department of Biology, 06500,
Teknikokullar, Ankara, TURKEY, e-mail: ozdikmen@gazi.edu.tr

ABSTRACT

New faunistic data is presented on Prioninae, Spondylidinae and Cerambycinae of Turkey. The faunistic data in the present paper on almost all species add to the knowledge of their distribution in Turkey. Thereby contributing to the knowledge of the longhorn beetles fauna of Turkey. Mainly interesting records are: *Pracorymbia (s. str.) tessera* (Charpentier, 1825) and *Purpuricenus caucasicus* Pic, 1902, are the second record for Turkey, *Alocerus moesiacus* (Friedländer, 1838) is the first record for European Turkey and *Phoracantha recurva* Newman, 1840 is given as a new record for Turkey in Özdikmen & Çaglar, 2003. Also, many taxa are new records for the provinces of Turkey.

Key words: Prioninae, Lepturinae, Spondylidinae, Cerambycinae, Cerambycidae, Coleoptera, faunistic data, Turkey.

INTRODUCTION

The longhorn beetles or Cerambycidae are classified together with Chrysomelidae and Bruchidae in the superfamily Chrysomeloidea. But, some authors recognized Cerambycidae as a separate superfamily Cerambycoidea (Svacha, Danilevsky, 1986). The concept of the subdivision of Cerambycidae into several families has prevailed recently. Cerambycidae is divided into several subfamilies. These are Parandrinae, Prioninae, Lepturinae, Necydalinae, Spondylidinae, Apatophyseinae, Cerambycinae and Lamiinae. Parandrinae are not represented in Turkey. The subfamilies Apatophyseinae and Necydalinae are represented with only a few species in Turkey.

Most of the longhorn beetles elongate and are cylindrical with long antennae. The eyes are usually strongly notched. The tarsi appear to be in four segments with the third segment bilobed, but are actually in five segments. The fourth segment is small and concealed in the notch of the third segment. It is often very difficult to see.

All the members of longhorn beetles are xylophagous and phytophagous. Larvae of longhorn beetles develop in plant tissues. Most of the beetles are wood-boring in the larval stage and many species are very destructive to shaded forest fruit trees and to freshly cut logs. They have larval tunnels in the wood (both living and dead plants). Different species attack different types of trees and shrubs. A few will attack living trees, but most species appear to prefer freshly cut logs or weakened and dying trees or branches. Larvae pupate either in host plants or in soil. Adults of the longhorn beetles can be found on flowers, leaves, wood, herbs etc.

Especially since the last century, the studies which were mainly divided into two titles as faunistic and taxonomic works, on Prioninae, Lepturinae, Spondylidinae and Cerambycinae fauna of Turkey have been carried out. Chiefly faunistic studies are Fairmaire, 1884; Bodemeyer, 1900, 1906; Acatay, 1943, 1961; Schimitschek, 1944, 1953; Çanakçıoğlu, 1956, 1983; Villiers, 1959, 1967; Demelt & Alkan, 1962; Demelt, 1963, 1967; Breuning & Villiers, 1967; Fuchs & Breuning, 1971; Gfeller, 1972; Tuatay et al., 1972; Gül-Zümreođlu, 1972, 1975; Sekendiz, 1974, 1981; Tosun, 1975; Özbek, 1978; Holzschuh, 1975; Sama 1982, 1994a,b; Öymen, 1987; Adlbauer, 1988, 1992; Yüksel, 1996; Althoff & Danilevsky, 1997; Lodos, 1998; Çanakçıoğlu & Mol, 1998; Kanat, 1998; Rejzek & Hoskovec, 1999; Alkan, 2000; Tauzin, 2000; Rejzek et al., 2001; Tozlu et al., 2002; Tezcan & Rejzek, 2002; Özdikmen, 2003, Özdikmen & Kurzawa, 2003, Özdikmen & Çaglar, 2003. Also, there is many papers on taxonomy of the longhorn beetles in Turkey. Tozlu et al., 2002 and Özdikmen & Kurzawa, 2003 are the most recent works on the same subject.

MATERIALS AND METHODS

The material for this study was collected over various years (1992, 1995 – 1997, 1999 – 2003) from different localities in Turkey and deposited in the Gazi University Zoology Museum (ZMGU). All of the materials were identified by Hüseyin Özdikmen. In this paper the classification and nomenclature of the longhorn beetles suggested by Danilevsky, 2002 and Althoff & Danilevsky, 1997 are followed. Within the subfamilies all genera are listed in the same order as in

Danilevsky, 2002 and Althoff & Danilevsky, 1997. Within the genera the species are listed alphabetically. Nominative subgenera or subspecies are not mentioned, if other subgenera or subspecies do not occur in Turkey according to this study. Each name of a genus, species or subspecies is accompanied by the author's name and description date. For endemic taxa in Turkish fauna an asterisk (*) is given in brackets on the same line as the name of the taxon.

The data, Material Examined, Distribution in Turkey and Remarks under the title for each species is given in the present text. The distribution in Turkey is presented as a list of provinces with the authors name.

The data under the title of Material examined are given according to the following outline:

Ankara⁽¹⁾, Kizilcahamam⁽²⁾, Güvem⁽³⁾, 1200 m⁽⁴⁾, 14.05.1997⁽⁵⁾, 2 ex.⁽⁶⁾, leg. / det. H. Özdikmen⁽⁷⁾.

⁽¹⁾ Administrative district (Province); ⁽²⁾ Town; ⁽³⁾ Village; ⁽⁴⁾ Altitude; ⁽⁵⁾ Collection date (day/month/year);

⁽⁶⁾ Number of specimens; ⁽⁷⁾ The name of collector and determinator

RESULTS

FAMILY: CERAMBYCIDAE

SUBFAMILY: PRIONINAE

Ergates gaillardoti Chevrolat, 1854

Material examined: Antalya: Alanya, Cirlasun bridge, Çayarasi plateau-Sarimut bridge, 1155 m, 12.08.2001, 3 females, leg. Hasbenli & Çağlar, det. H. Özdikmen. Distribution in Turkey: Antalya (Bey Mountain, Kumköy), Adana (Karatas) – Demelt, 1963; İçel (Namrun) - Svacha & Danilevsky, 1986; Antalya, Adana – Öymen, 1987; Antalya (Alanya-Güzelbag), Adana (Kozan-Feke) – Adlbauer, 1988; Turkey – Lodos, 1998; Asia Minor: Turkey meridionalis – Sama & Rapuzzi, 2000.

Prinobius myardi Mulsant, 1842

Material examined: Antalya: Alanya, Çayarasi plateau-Sarimut bridge, 1155 m, 12.08.2001, 1 male and 7 females, leg. Hasbenli & Çağlar, det. H. Özdikmen. Distribution in Turkey: Adana (as *Macrotoma scutellaris*) – Bodenheimer, 1958;

Istanbul (Polonez village) – Demelt & Alkan, 1962; Izmir (Kusadasi), Istanbul (Polonez village) (as *Macrotoma scutellaris*) – Demelt, 1963; Turkey (as *Macrotoma scutellaris*) – Villiers, 1967; Izmir (Bornova, Kusadasi) (as *Macrotoma scutellaris*) – Gül-Zümreoglu, 1972 and 1975; Ý-Daðý (as *M. scutellaris*) – Sama, 1982; Ýstanbul (Alem Mountain and Đile) (as *Macrotoma scutellaris*) – Öymen, 1987; Muđla (Marmaris), Adana (Karatađ) (as *Prinobius scutellaris*) – Adlbauer, 1992; Ýstanbul, Adana, Ýmir – Lodos, 1998; Turkey – Sama & Rapuzzi, 2000; Artvin (Pavđat), Trabzon (Maçka), Burdur (Bucak), Antalya (Kemer, Kađ-Gürsu and Çakýlar), Aydýn (Dilek) – Ekici, 1971 / Öymen, 1987 / Tosun, 1975 / Yüksel, 1996 (Ex. Alkan, 2000); Trabzon (Maçka-Mataracý village) (as *Macrotoma scutellaris*) – Alkan, 2000; Antalya, Muđla, Tokat, Adana, Ýstanbul, Ýmir – Tozlu et al., 2002; Turkey – Danilevsky, 2002.

Aegosoma scabricorne (Scopoli, 1763)

Material examined: Antalya: Alanya, Çayarasýplateau-Sarýmut bridge, 1155 m, 12.08.2001, 2 males and 1 female, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Konya (Beyđehir) – Sekendiz, 1974; Turkey – Lobanov et al., 1981; Turkey – Svacha & Danilevsky, 1986; Konya (Beyđehir), Ýstanbul (Belgrad Forest) – Öymen, 1987; Turkey – Althoff & Danilevsky, 1997; Kahramanmarađ (Andýrýn) (as *Megopis scabricornis*) – Adlbauer, 1992; Turkey – Lodos, 1998; Antalya, Gümüđhane, Isparta, Konya, Ýstanbul – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Kýrklareli (Ýneada) and Anatolia (Asian Turkey) – Özdikmen & Kurzawa, 2003.

Prionus coriarius (Linnaeus, 1758)

Material examined: Antalya: Kađ, Sinekçi village, Sinekçi Beli, 1240 m, 14.08.2001, 1 male; Turkey: without label, 1 female; Kýrklareli: Ýneada-Saka lake, Sivrililer village, 10 m, 27.07.2003, 1 male; Kýrklareli: Demirköy, 200 m, 28.07.2003, 1 male, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Asia Minor – Semenov, 1900; Sinop (Ayancýk) – Schimitschek, 1944 and 1953; Turkey – Acatay, 1948; Turkey – Acatay, 1961; Turkey – Acatay, 1968; Burdur (Bucak) – Ekici, 1971; Antalya (Kemer, Kađ-Gürsu and Çakýlar) – Tosun, 1975; Sinop (Ayancýk), Trabzon, Antalya – Erdem, 1977; Turkey – Lobanov et al., 1981; Trabzon (Campus of Karadeniz Technical University) – Sekendiz, 1981; Sinop (Ayancýk), Trabzon, Antalya – Çanakçýođlu, 1983; Turkey – Svacha & Danilevsky, 1986; Aydýn (Dilek Peninsula National Forest) – Öymen, 1987;

Turkey – Önder et al., 1987; Trabzon (Maçka-Meryemana Forests), Artvin (Davlat-Yayla-Kocabey place, Veliköy-Karagöl Forests) – Yüksel, 1996; European Turkey – Althoff & Danilevsky, 1997; Aydın, Sinop, Trabzon, South Turkey – Lodos, 1998; Sinop (Ayancık), Antalya (Kemer, Beldibi, Kaş, Gürsu), Kahramanmaraş–Kanat, 1998; Antalya, Aydın, Trabzon, Sinop – Çanakçýođlu & Mol, 1998; Artvin, Rize, Trabzon, Sinop, Antalya, Aydın – Tozlu et al., 2002; Turkey – Danilevsky, 2002. Remarks: New for Kırklareli province.

SUBFAMILY: LEPTURINAE

Cortodera cirsii Holzschuh, 1975 (*)

Material examined: Konya: Tařkent, Belpınarybeli, 1738 m, 25.05.2001, 1 female; Konya: Tařkent, Beyreli village, Gevne valey, 1597 m, 25.05.2001, 1 female, all specimens leg. Hasbenli & Çaðlar, det. H. Özdikmen. Distribution in Turkey: Adana (Nurdađypassage) – Holzschuh, 1975; Osmaniye (Nurdađypassage) – Holzschuh, 1975; Osmaniye (Nurdađypassage), Niđe (Çiftehan) – Adlbauer, 1988; Osmaniye (Nurdađypassage) – Tauzin, 2000; Osmaniye (Hasanbeyli env., Nurdađypassage) – Rejzek et al., 2001; Turkey – Danilevsky, 2002; Osmaniye (Hasanbeyli, pass) – Özdikmen & Kurzawa, 2003. Remarks: New for Konya province and endemic to Turkey.

Cortodera flavimana (Waltl, 1838)

Material examined: Antalya: Kalkan, 15 m, 21.05.2000, 1 specimen; Konya: Tařkent, Belpınarypass and Beyreli village, 1738 and 1550 m, 25.05.2001, 5 specimens; Adana: Tufanbeyli, Güzelim village env., 1476 m, 19.05.2003, 5 specimens; Yozgat: Akdađmađdeni, YukarıÇulhalývillage, 1420 m, 22.06.2003, 1 specimen; Sivas: Tahtkement village, 1460 m, 19.05.2003, 19 specimens; Sivas: Karayün village, 1440 m, 19.05.2003, 1 specimen; Gümüphane: Kelkit, Koçyatađý village, 03.06.2003, 2 specimens; Erzurum: Ařkale, Çatalbayýr village, 1887 m, 03.07.2003, 4 specimens, all specimens leg. Hasbenli & Çaðlar, det. H. Özdikmen. Distribution in Turkey: Ýel (Burna), Antalya (Toros Mountains), Niđe (Çamardı) – Bodemeyer, 1900; Afyon (Sultan Mountain) – Bodemeyer, 1906; Ýstanbul (Alem Mountains, Polonez village), Ýmir (Kemalpařa), Isparta (Eđirdir) – Demelt & Alkan, 1962; Ýstanbul (Alem Mountain and Beykoz), Ýmir (Kemalpařa), Isparta (Eđirdir) – Demelt, 1963; Samsun (Bafra) – Villiers, 1967; Ankara (Kýycahamam) – Gfeller, 1972; Erzurum and near – Özbek, 1978; Turkey – Lobanov et al., 1981; Sinop (Dranaz Dađý), Bolu (Abant), Kastamonu (Central, Ilgaz Mountain) – Sama, 1982; Konya

(Civcan Mountain, Madenşehir) – Adlbauer, 1988; Ankara (Kızılcahamam) – Sama, 1996; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Kastamonu (Ilgaz Mountain), Bolu (Abant) – Tausin, 2000; Anatolia (Asian Turkey) – Jenis, 2001; Artvin, Bayburt, Erzurum, Kars, Rize, Sivas – Tozlu et al., 2002; Tokat (Yaylacık-Orman) – Fuchs & Breuning, 1971 (Ex. Tozlu et al., 2002); Ankara (Kızılcahamam, Soğuksu N.P., Güvem, YukarıÇanlı), Aksaray (Sivrihisar, Ortaköy), Kayseri (Yahyalı), Kırklareli (Demirköy env.) - Özdikmen, 2003 and Özdikmen & Kurzawa, 2003. Remarks: New for Adana, Yozgat and Gümüşhane provinces.

Cortodera holosericea (Fabricius, 1801)

Material examined: Erzurum: Nenehatun, 05.06.2003, 4 specimens, leg. Hasbenli & Çağlar, det. H. Özdikmen. Distribution in Turkey: Ankara (Kızılcahamam) – Özdikmen, 2003 and Özdikmen & Kurzawa, 2003. Remarks: New for Erzurum province.

Pedostrangalia (Sphenalia) emmipoda (Mulsant, 1863)

Material examined: Antalya: Finike, between Karadağ and Gömüce, 1044 m, 19.05.1999, 1 specimen; Konya: Taşkent, Gevne valey, between Tosmür and Gevne villages, 1450 m, 10.06.1999, 3 specimens; Antalya: Alanya, between Çayarası-Çıtlavuk, 1100 m, 11.06.1999, 1 specimen; Antalya: Finike, Alakır dam, 55 m, 20.05.2000, 1 specimen; Antalya: Finike, Beymelek city, 10 m, 20.05.2000, 1 specimen; Antalya: Finike, Alakır dam, 142 m, 27.05.2001, 1 specimen; Antalya: Gömbe, Sütleğen village, 1227 m, 27.05.2001, 1 specimen; Antalya: Kaş, Gömbe, Sinekçibeli passage, Sinekçi village, 1500 m, 28.05.2001, 1 specimen; Burdur: Bucak, Çamlık village, 1238 m, 28.05.2001, 1 specimen; Konya: Taşkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 6 specimens; Uşak: Ulubey, Ovacyk village, Gökgez hill, 1000 m, 01.06.2002, 1 specimen, all specimens leg. Hasbenli & Çağlar, det. H. Özdikmen. Distribution in Turkey: Niğde (Çamardı), Adana (Pozantı) - Bodemeyer, 1900; İzmir (Efes), Isparta (Eğirdir), Antalya (Antitoros (Bey Mountains)) (as *Strangalia emmipoda*) – Demelt & Alkan, 1962; Antalya (Manavgat, Alanya, Bey Mountain), İzmir (Efes), Isparta (Eğirdir), Yel (Namrun) (as *Strangalia emmipoda*) – Demelt, 1963; Niğde (Çiftehan) – Villiers, 1967; Adana (Misis), Muş (Central), Hakkari (Çukurca, Yüksekova and Pemdinli), Tunceli (Central, Ovacyk), Bingöl (Kuruca), Elazığ (Hazar lake) (as *Strangalia emmipoda*) - Fuchs et Breuning, 1971; Adana (Bolkar Mountains), Konya (Akşehir) – Tuatay

et al., 1972; Turkey – Lobanov et al., 1981; Manisa (Akhisar) - Sama, 1982; Ýmir (Havran), Antalya (Yeni Karaman, Termessos, Alanya), Ýel (Tarsus, Çamlýayla, Silifke, Gülnar, Kuzucubelen, Erdemli), Osmaniye (Nurdađý passage), Kahramanmaraş (Central), Adana (Kozan), Niđe (Çiftehan) – Adlbauer, 1988; Ýel (Çamlýayla) - Sama, 1996; Turkey – Lodos, 1998; Adýyaman (Karadut village) – Rejzek & Hoskovec, 1999; Bitlis (Reşadiye) – Tauzin, 2000; Asia Minor – Sama & Rapuzzi, 2000; Konya – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Konya (Kulu), Ýel (Aydýnlar env.), Osmaniye (Hasanbeyli) – Özdikmen & Kurzawa, 2003; Turkey – Özdikmen, 2004. Remarks: New for Burdur and Uşak provinces.

Pedostrangalia (Etorufus) pubescens (Fabricius, 1787)

Material examined: Burdur: Yeşilova, Çaltepe, 1230 m, 20.06.1992, 1 specimen; Zonguldak: Safranbolu, Araç road, 420 m, 29.06.1995, 1 specimen; Yozgat: Yozgat National Park, 15.05.2003, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Uşak-Kütahya (Murat Mountain) – Villiers, 1967; Turkey – Lobanov et al., 1981; Uşak (around Banaz) (as *Leptura pubescens*) – Öymen, 1987; Turkey - Svacha & Danilevsky, 1988; Turkey – Lodos, 1998; Turkey – Danilevsky, 2002; Turkey – Özdikmen, 2004. Remarks: New for Yozgat, Burdur and Zonguldak provinces.

Strangalia attenuata (Linnaeus, 1758)

Material examined: Kırklareli: Ýneada, between Hamam dam-Pedina dam, 28.07.2003, 5 specimens, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul – Villiers, 1967; Tunceli (Ovacık) - Fuchs et Breuning, 1971; Turkey – Lobanov et al., 1981; Ýstanbul (Alem Mountain) (as *Leptura attenuata*) – Öymen, 1987; Tunceli (Pülümür) - Adlbauer, 1992; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Artvin, Erzurum – Tozlu et al., 2002; Tunceli (Ovacık) (as *Strangalina attenuata* L.) – Fuchs and Breuning, 1971; Tunceli (Pülümür) - Adlbauer, 1992 (Ex. Tozlu et al., 2002); Turkey – Danilevsky, 2002. Remarks: New for Kırklareli province.

Stenurella bifasciata (Müller, 1776)

Material examined: Antalya: Alanya, Mahmutlar, 502 m, 26.05.2001, 1 specimen; Antalya: Finike, Alaký dam, 142 m, 27.05.2001, 1 specimen; Antalya: Kaş, Gömbe, Sinekçi village, Sinekçibeli, 1430 m, 09.06.2001, 1 specimen; Antalya: Kaş, Gömbe, Sinekçi village, Sinekçibeli, 1200 m, 10.06.2001, 1 specimen; Konya: Akşehir,

Engelli village, 1100 m, 27.06.2001, 1 specimen; Afyon: Sultandağ Sultan mountains, 1280 m, 27.06.2001, 2 specimens; Antalya: Kaş Gömbe, Sinekçi village, Sinekçibeli, 1475 m, 29.06.2001, 5 specimens; Antalya: Kaş Gömbe, Sinekçi village, Sinekçibeli, 1490 m, 29.06.2001, 2 specimens; Konya: Taşkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 12 specimens; Uşak: Ulubey, Ovacık village, Gökgöz hill, 1000 m, 01.06.2002, 1 specimen; Yozgat: Akdağmağdeni, Oluközü plateau, 1382 and 1479 m, 04.08.2003, 15 specimens; Yozgat: Akdağmağdeni, Akçakılla road, 1470 and 1573 m, 05.08.2003, 16 specimens, all specimens leg. Hasbenli & Çağlar, det. H. Özdikmen. Distribution in Turkey: Niğde (Çamardı), Adana (Pozantı) (as *Strangalia nigrosuturalis*) – Bodemeyer, 1900; Bursa (Yeğül-Gürsu Forest-Samson place) – Çanakçıoğlu, 1956; Amasya (Central), Gümüşhane (Torul) – Villiers, 1959; Antalya (near Central) (as *Strangalia bifasciata*) – Demelt & Alkan, 1962; İzmir (Kemalpaşa), Antalya (Central, Alanya) (as *Strangalia bifasciata*) – Demelt, 1963; Erzurum (Azort) – Villiers, 1967; Kocaeli, Yalova – Gfeller, 1972; İzmir (Urla) – Gül-Zümreoğlu, 1972; İzmir (Urla, Bergama-Kozak, Bergama-Pakran, Kemalpaşa), Muğla (Milas-Gölcük) – Gül-Zümreoğlu, 1975; Turkey – Lobanov et al., 1981; Bolu (from Konuralp to Akçakoca, Abant), Manisa (Akçakertik), Kastamonu (30 km S) – Sama, 1982; İzmir (Efes) (as *Leptura bifasciata*) – Öymen, 1987; Antalya (Kemer, Manavgat), Yığıl (Anamur) (as *Stenurella bifasciata bifasciata*) and Yığıl (Erdemli, Kuzucubelen), Osmaniye (Nurdağ passage), Adana (Kozan), Niğde (Çiftelhan) (as *Stenurella bifasciata nigrosuturalis*) – Adlbauer, 1988; Turkey – Svacha & Danilevsky, 1988; Turkey – Lodos, 1998; Adıyaman (Karadut village) (as *Stenurella bifasciata ssp. nigrosuturalis*) – Rejzek & Hoskovec, 1999; Gümüşhane (Piran), Artvin (Yusufeli) (as *Stenurella limbiventris*) – Tazuin, 2000; Bitlis (Repađiye) – Tazuin, 2000; South-East Anatolia (as *Stenurella bifasciata ssp. nigrosuturalis*) – Sama & Rapuzzi, 2000; Artvin, Bilecik, Bingöl, Erzincan, Erzurum, Konya, Rize – Tozlu et al., 2002; Konya (as *S. bifasciata nigrosuturalis*) – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Nevşehir (Avanos), Ankara (Kızılcahamam, Işık Mountain, Kızılcahamam-S of Dam, Güvem, Yasin village, the peak of Bel, YukarıÇanlı), Adana (Pozantı-entry of Fındıklı Pozantı-Tekir plateau), Kayseri (Yahyalı-Derebađı-Pelale place) – Özdikmen & Kurzawa, 2003. Remarks: New for Afyon, Uşak and Yozgat provinces.

Stenurella novercalis (Reitter, 1901)

Material examined: Yozgat: Akdağmağdeni, Akçakılla road, 1573 m, 05.08.2003, 2 specimens; Yozgat: Akdağmağdeni, YukarıÇulhalı village, 1436 m, 05.08.2003,

4 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Trabzon (Zigana Mountains), Gümüřhane (Torul), NE Turkey – Villiers, 1959; Trabzon (Zigana Mountains) – Villiers, 1967; Turkey – Lobanov et al., 1981; Rize (Ayder plateau), Artvin (Yalnıřçam passage, Pavřat), Trabzon (Zigana passage), Giresun (Kümbet) - Sama, 1982; Zigana Mountains – Adlbauer, 1988; Rize – Tozlu et al., 2002; Turkey – Danilevsky, 2002. Remarks: New for Yozgat province.

Stenurella septempunctata (Fabricius, 1792)

Material examined: Yozgat: Akdađmađdeni, Oluközü plateau, 1479 m, 04.08.2003, 6 specimens, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (around Büyükdere, Belgrad Forest) (as *Strangalia septempunctata* var. *inconstans*) – Schimitschek, 1944 and 1953; Gümüřhane (Torul), Trabzon (Zigana Mountains), Amasya – Villiers, 1959; Ýstanbul (Polonez village, Alem Mountains) (as *Strangalia septempunctata anatolica*) – Demelt & Alkan, 1962; Ýstanbul (Polonez village) (as *Strangalia septempunctata* ssp. *anatolica*) – Demelt, 1963; Amasya, Rize (Fıńdıklı) – Villiers, 1967; Kocaeli (Ýmit), Yalova – Gfeller, 1972; Ýmir (Kemalpařa, Ovacık) - Gül-Zümreođlu, 1975; Turkey – Lobanov et al., 1981; Bolu (from Konuralp to Akçakoca), Amasya (Borabay lake), Artvin (Pavřat) - Sama, 1982; Turkey - Svacha & Danilevsky, 1988; Tokat (Mezra, Yakacık, Gökdere) - Adlbauer, 1992; Kastamonu (Masruf passage-Küre, Ballıdađ passage-Daday, Akkaya) (as *Strangalia septempunctata* ssp. *anatolica*) - Adlbauer, 1992; Turkey – Lodos, 1998; Gümüřhane, Artvin (Yusufeli), Samsun (Ladik) – Tauzin, 2000; Artvin, Bilecik, Erzurum, Rize, Trabzon – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Turkey (as *Strangalia septempunctata* ssp. *anatolica*) – Danilevsky, 2002. Ankara (Kızılcahamam, Iřık Mountain, Güvem) – Özdikmen & Kurzawa, 2003. Remarks: New for Yozgat province.

Pachytodes erraticus (Dalman, 1817)

Material examined: Antalya: Finike, Alakıř dam, 300 m, 04.05.1992, 1 specimen; Sivas: Yıđdıřeli, Cumhuriyet village, 1370 m, 22.06.2003, 1 specimen; Gümüřhane: Kelkit, Günyurdu, 1870 m, 02.07.2003, 8 specimens; Kırklareli: Ýneada, Saka lake, Sivrilere village, 10 m, 27.07.2003, 1 specimen; Yozgat: Yozgat National Park, 15.05.2003, 1 specimen; Yozgat: Akdađmađdeni, Oluközü plateau, 1382 and 1479 m, 04.08.2003, 10 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Hatay (Akbez) (as *Judolia erraticus*) – Fairmaire, 1884; Bilecik (as *Judolia erraticus* var. *erythrura* and *Judolia erraticus* var. *rosinae*)

– Bodemeyer, 1906; Trabzon (Zigana Mountains), Gümüşhane (Torul), Amasya (Central) – Villiers, 1959; İstanbul (Polonez village) (as *Judolia erratica*) – Demelt & Alkan, 1962; İstanbul (Polonez village), Isparta (as *Judolia erratica*) – Demelt, 1963; Zonguldak (Safranbolu) – Villiers, 1967; Elazığ (Hazar lake) (as *Judolia erratica*) – Fuchs et Breuning, 1971; Isparta (as *Judolia erratica*) – Tuatay et al., 1972; İzmir (Agamemnun) (as *Judolia erratica* Dalm.) – Gül-Zümreođlu, 1975; Erzurum and near (as *Judolia erratica*) – Özbek, 1978; Turkey – Lobanov et al., 1981; Sinop (Dranaz Mountain), Tokat (Almus), Artvin (Arduç), İstanbul (Alemdađ, Ređadiye), Çorum (Bođazkale), Bolu (from Konuralp to Akçakoca), Trabzon (Maçka-Sümela), Kastamonu (30 km S) – Sama, 1982; Sinop (around Ayancık) – Schimitschek, 1953 (Ex. Öymen, 1987); Hatay (around Dörtöy) (as *Leptura erratica*) – Öymen, 1987; Turkey – Svacha & Danilevsky, 1988; Tokat (Mezra, Topçam Mountain, Yakacık-Gökdere), Amasya (Merzifon), Kastamonu (Central, Yaralığöz-Devrekani, Ballıdađ passage-Daday, Ilgaz passage-Tosya), Erzurum (Aşkale), Sivas (Yıldızeli), Tunceli (Pülümür), Antalya (Akseki) – Adlbauer, 1992; European Turkey – Althoff & Danilevsky, 1997; İstanbul, Bilecik, İzmir, Isparta, Gaziantep, Artvin – Lodos, 1998; Samsun (Ladik), Bitlis (Ređadiye), Gümüşhane, Kastamonu (Yaralığöz) – Tausin, 2000; Anatolia (Asian Turkey) – Jennis, 2001; Erzincan, Erzurum, Kars, Konya – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Ankara (Kızılcahamam-İpek Mountain, Güvem, Yenimahalle village, Yasin village, YukarıÇanlı) – Özdikmen & Kurzawa, 2003. Remarks: New for Kızılirmeli and Yozgat provinces.

Anastrangalia dubia (Scopoli, 1763)

Material examined: Yozgat: Akdađmađdeni, YukarıÇulhalıvillage, 1436 m, 05.08.2003, 2 specimens, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Trabzon (Zigana Mountains), Gümüşhane (Torul), NE Turkey – Villiers, 1959; Trabzon (Zigana Mountains), Zonguldak (Safranbolu) – Villiers, 1967; Turkey – Lobanov et al., 1981; Rize (İzidere Forests, Pazar-İlça Forests) – Sekendiz, 1981; Artvin (Pavpat), Rize (İlça (Ayder)), Sinop (Dranaz Mountain) – Sama, 1982; Bolu (Abant, Sakarca and Sinekli plateau) (as *Leptura dubia a. chamomillae*) – Defne, 1954 (Ex. Öymen, 1987); Kastamonu-Çankırıroad (as *Leptura dubia*) – Öymen, 1987; Turkey – Svacha & Danilevsky, 1988; Tokat (Topçam Mountain), Kastamonu (Masruf passage-Küre, Ballıdađ passage-Daday), Rize (Ovitdađı passage-İzidere) – Adlbauer, 1992; Trabzon (Maçka-Meryemana), Artvin (Atila-Soçidibi, Borçka-Camili-Düzenli village Forests, Pavpat-wood store of Carat), Rize

(Dereköy), Giresun (wood store of Kulakkaya, Espiye-wood store of Ekindere) – Yüksel, 1996; Kars, East Anatolian Region – Lodos, 1998; Gümüşhane (N Piran) – Tauzin, 2000; Artvin (Atila, Borçka and Pavpat), Rize (Yıldızdere and Dereköy), Trabzon (Maçka), Giresun (Espiye), Kastamonu-Çankırıroad – Öymen, 1987 / Sekendiz, 1976 / Yüksel, 1996 (Ex. Alkan, 2000); Artvin (Kafkasör) – Alkan, 2000; Anatolia (Asian Turkey) – Jenis, 2001; Artvin, Muğla, Rize – Tozlu et al., 2002; Artvin (Atila Forest, Borçka, Pavpat), Giresun (Espiye, Kulakkaya), Rize (Dereköy), Trabzon (Maçka-Meryemana) (as *L. dubia*) – Yüksel, 1996 and 1998 (Ex. Tozlu et al., 2002); Turkey – Danilevsky, 2002. Remarks: New for Yozgat province.

Anastrangalia montana (Mulsant et Rey, 1863)

Material examined: Antalya: Finike, Alakır dam, 142 m, 27.05.2001, 1 specimen, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Antalya (Antitoros) (as *Leptura montana*) – Demelt & Alkan, 1962; Antalya (Bey Mountain), Yel (Namrun) (as *Leptura montana*) – Demelt, 1963; Antalya (Tađađ), Ymir (Çamlık passage), Adana (Kozan) – Adlbauer, 1988; Yel (Gülek-Toros Mountains), Ganglbauer, 1885 / Hatay (Amanos Mountains-Akbez, Pic, 1892 / Yel (Çamlıyayla), Antalya (Çakılyapassage), Ymir and Adana, Adlbauer, 1988 – Sama, 1994b; Turkey – Lodos, 1998; Antalya (Perge-Gülek) – Tauzin, 2000; Yel (Mut-Silifke road, exit of Karabađ) – Özdikmen & Kurzawa, 2003. Remarks: The species is distributed in South Turkey.

Paracorymbia (*s. str.*) *cordigera* (Füsslins, 1775)

Material examined: Antalya: Kemer, Olimpos mountain, 561 m, 26.05.2001, 1 specimen; Antalya: Kaş, Gömbe, Sinekçi village, Sinekçibeli, 1490 m, 29.06.2001, 2 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Gümüşhane (Torul) – Villiers, 1959; Ymir (Efes), Ystanbul (Polonez village) (as *Leptura cordigera*) – Demelt & Alkan, 1962; Ymir (Efes), Ystanbul (Polonez village), Antalya (Alanya) (as *Leptura cordigera*) – Demelt, 1963; Ystanbul, Tekirdađ (24 km Malkara-Yecik), Hatay (Amanos Mountains-Nurdađypassage), Yel (Alata) – Villiers, 1967; Tunceli (Central and Ovacık) - Fuchs et Breuning, 1971; Ymir (Gümüldür), Denizli – Tuatay et al., 1972; Denizli (Buldan), Muğla (Milas), Ymir (Kemalpaşa) – Gül-Zümreođlu, 1972; Ymir (Karaburun-Balçkova, Kemalpaşa, Bergama-Pakran, Tire), Denizli (Buldan) - Gül-Zümreođlu, 1975; Turkey – Lobanov et al., 1981; Ystanbul (Alemdađ, Ređadiye) - Sama, 1982; Ystanbul

(Belgrad Forest), Ýmir (around Selçuk), Osmaniye (Central) (as *Leptura cordigera*) – Öymen, 1987; Turkey - Svacha & Danilevsky, 1988; Antalya (Alanya), Ýel (Anamur, Erdemli) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Ýstanbul, Manisa, Ýmir, Denizli, Ýel, Antalya – Lodos, 1998; Adýyaman (Karadut village) – Rejzek & Hoskovec, 1999; Antalya (Elmalı) – Tauzin, 2000; Asia Minor – Sama & Rapuzzi, 2000; Artvin, Balýkesir, Bilecik, Bingöl, Erzurum, Kocaeli, Konya, Yalova – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Nevþehir (Avanos), Aksaray (Ortaköy-Hocaveli village) – Özdikmen & Kurzawa, 2003.

Paracorymbia (s. str.) fulva (Degeer, 1775)

Material examined: Isparta: Eðirdir, AþađýGökdere, 432 m, 19.05.2000, 2 specimens; Antalya: Alanya, Gökbel plateau, 1400 and 1430 m, 30.06.2001, 3 specimens; Konya: Taþkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 7 specimens; Konya: Taþkent, Beyreli village, 1590 m, 28.07.2001, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (Polonez village) (as *Leptura fulva*) – Demelt & Alkan, 1962; Ýstanbul (Polonez village), Ýel (Namrun) (as *Leptura fulva*) – Demelt, 1963; Ýstanbul – Villiers, 1967; Ýmir (Kemalpaþa and Agamemnun) (as *Leptura fulva*) - Gül-Zümreođlu, 1975; Bolu (Akçakoca-Konuralp), Kastamonu (Tosya-Ilgaz), Manisa (Akçakertik) - Sama, 1982; Hatay (around Dörtyol), Manisa (around Demirci) (as *Leptura fulva*) – Öymen, 1987; Turkey – Svacha & Danilevsky, 1988; Ýmir (Samsun Mountain) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Ýstanbul, Kocaeli, Bursa, Ýmir – Lodos, 1998; Turkey – Danilevsky, 2002; Ýmir, Çanakkale – Holzschuh, 1982 (Ex. Tezcan & Rejzek, 2002); Ýmir (Kemalpaþa, Armutlu) – Tezcan & Rejzek, 2002. Remarks: New for Isparta, Antalya and Konya provinces.

Paracorymbia (s. str.) tesserula (Charpentier, 1825)

Material examined: Konya: Taþkent, Beyreli village, 1590 m, 28.07.2001, 2 specimens, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Turkey – Lobanov et al., 1981; Turkey – Lodos, 1998; Erzurum – Tozlu et al., 2002; Northern Turkey – Danilevsky & Mirosnikov, 1985 (Ex. Tozlu et al., 2002); Turkey – Danilevsky, 2002. Remarks: Until now, it was known that this species was recorded only in Erzurum. So, it is the second record for Turkey and the first record for Central Anatolian Region (Konya province).

Aredolpona tripartita (Heyden, 1889)

Material examined: Yozgat: Akdağmadeni, Oluközü plateau, 1479 m, 04.08.2003, 1 specimen; Yozgat: Akdağmadeni, Akçakılla road, 1573 m, 05.08.2003, 1 specimen; Yozgat: Akdağmadeni, YukarıÇulhalıvillage, 1436 m, 05.08.2003, 2 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Tunceli (Selepür, Fýrat river) (as *Leptura tripartita a. morgani* Pic) – Demelt, 1967; Hakkari (Habur Deresi valley-Beytülpehap, Çýđlyşuyu valley), Malatya (Kapykaya), Tunceli (Pülümür), Erzurum (Ýspir) (as *Brachyleptura tripartita*) - Adlbauer, 1992; Erzincan (Tercan) – Sama, 1994; Adýyaman (Arsameia (old Kahta), the environs of the ruins) – Rejzek & Hoskovec, 1999; Erzurum (Karakurt, Sama, 1994), Erzincan (Tercan) – Tauzin, 2000; Erzurum, Kars – Tozlu et al., 2002. Remarks: New for Yozgat province.

Vadonia unipunctata (Fabricius, 1787)

Material examined: Isparta: Yalvaç, Eleđi village, 1190 m, 21.06.2000, 1 specimen, leg. A. Hasbenli, det. H. Özdikmen. Distribution in Turkey: Antalya (Toros Mountains), Niđe (Çamardı) - Bodemeyer, 1900; Isparta (Eđirdir) (as *Leptura unipunctata*) – Demelt & Alkan, 1962; Ankara (Gölbayý), Isparta (Central, Eđirdir), Afyon (as *Leptura unipunctata*) – Demelt, 1963; Amasya – Villiers, 1967; Isparta – Tuatay et al., 1972; Ýmir (Kemalpaða) (as *Leptura unipunctata*) - Gül-Zümreođlu, 1975; Erzurum and near (as *Leptura unipunctata*)– Özbek, 1978; Turkey – Lobanov et al., 1981; Ankara (Kavaklýdere), Amasya (Ezinepazarý) (as *Leptura unipunctata*) – Öymen, 1987; Turkey - Svacha & Danilevsky, 1988; Uşak (Banaz), Nevşehir (Göreme), Aksaray (Sultanhaný), Afyon (Dinar), Burdur (Bucak), Niđe (Çiftehan) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Artvin, Bilecik, Bayburt, Erzurum, Kars, Sivas, Tokat – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Kütahya (15 km S of Central) – Özdikmen & Kurzawa, 2003.

Pseudovadonia livida (Fabricius, 1776)

Material examined: Isparta: Yalvaç, Bađkonak, Sultan mountains, 1660 m, 28.06.2001, 3 specimens; Isparta: Yalvaç, Sultan mountains, 1735 m, 25.07.2001, 2 specimens; Uşak: Ulubey, Ovacyk village, Gökgöz hill, 1000 m, 01.06.2002, 2 specimens; Gümüşhane: Kelkit, Günyurdu village, 1870 m, 02.07.2003, 3 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in

Turkey: Ýstanbul (Alem Mountain) – Bodemeyer, 1906; Amasya, Gümüþhane (Torul), Bayburt and Erzurum (Kop Mountain entry Bayburt and Erzurum) (as *Leptura livida pecta*) – Villiers, 1959; Ýstanbul (Polonez village, Alem Mountains, Beykoz, Anadoluhisarý Çengelköy), Ýmir (near Central, Kemalpaþa, Efes, Bergama), Antalya (near Central, Belkýs (Aspendos, Cumali), Antitoros Mountains (Bey Mountains, Korkuteli), Alanya and near), Isparta (Eðirdir and near) (as *Leptura livida m. pecta*) – Demelt & Alkan, 1962; Turkey (as *Leptura (Vadonia) livida morpha pecta*) – Demelt, 1963; Ankara – Villiers, 1967; Ankara – Tuatay et al., 1972; Turkey – Lobanov et al., 1981; Turkey – Lobanov et al., 1981; Giresun (Kümbet) – Sama, 1982; Ankara (Kalecik) (as *Leptura livida*) – Öymen, 1987; Antalya (Central, Kemer, Kumluca-Yeniceköy, Termessos, Manavgat-Sorgun), Ýel (Erdemli, Aslanlý), Osmaniye (Nurdađýpassage) (as *Pseudovadonia livida pecta*) – Adlbauer, 1988; Turkey – Svacha & Danilevsky, 1988; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Asia Minor – Sama & Rapuzzi, 2000; Antalya, Artvin, Bayburt, Bilecik, Erzincan, Erzurum, Kars – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Ankara (Kýlcamaham-Güvem, Yenimahalle village, the peak of Bel), Niðde (Altunhisar-Çiftlik road-entry of Çiftlik) – Özdikmen & Kurzawa, 2003. Remarks: New for Uþak province.

SUBFAMILY: SPONDYLIDINAE

Alocerus moesiacus (Fivaldsky, 1838)

Material examined: Kýklareli: Ýneada, Mert lake, 27.09.2003, 1 specimen, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Turkey – Svacha & Danilevsky, 1986; Isparta (Eðridir-Kovada) – Adlbauer, 1992; Turkey – Lodos, 1998; Antalya – Tozlu et al., 2002. Remarks: New for European Turkey (Kýklareli province).

SUBFAMILY: CERAMBYCINAE

Stromatium unicolor (Olivier, 1795)

Material examined: Ýel: Ataproad, Karaduvar, 5 m, 23.07.2002, 5 specimens; Kýklareli: Demirköy, 200 m, 28.07.2003, 5 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (Alem Mountain), Denizli – Schimitschek, 1944 and 1953; Manisa (Salihli) – Tuatay et al., 1972; Denizli (Buldan), Ýmir (Bornova, Karþýyaka) – Gül-Zümreođlu, 1972; Denizli

(Buldan), Bursa (Orhangazi), Balıkesir (Manyas-Kızılköy), Muğla (Ex. - Gül-Zümreođlu, 1975); İzmir (Karşıyaka, Güzelyalı Bornova) (as *Stromatium fulvum*) - Gül-Zümreođlu, 1975; Denizli, Bursa, Muğla, İzmir (as *Stromatium fulvum*) - Erdem & Çanakçıođlu, 1977; Erzurum and near - Özbek, 1978; Trabzon (Akçaabat-Central, Vakfıkebir and Central), Ordu (Central), Giresun (Central) - Sekendiz, 1981; Çanakkale (Truva) (as *Stromatium fulvum*) - Sama, 1982; İstanbul (Belgrad Forest) - Öymen, 1987; Adana (Karataş) (as *Stromatium fulvum*) - Adlbauer, 1992; European Turkey - Althoff & Danilevsky, 1997; İstanbul, Bursa, İzmir, Muğla, Adana, Çel, Antalya (as *Stromatium fulvum*) - Lodos, 1998; Adana, Afyon, Amasya, Antalya, Balıkesir, Denizli, Elazığ, Erzurum, Gaziantep, Gümüşhane, Hatay, Çel, İzmir, Malatya, Osmaniye, Samsun, Trabzon - Tozlu et al., 2002; Turkey - Danilevsky, 2002. Remarks: New for Kırklareli province.

Phoracantha recurva Newman, 1840

Material examined: Çel: Ataproad, Karaduvar, 5 m, 23.07.2002, 1 specimen, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Çel (Ataproad) - Özdikmen & Çađlar, 2003. Remarks: This interesting and rare species is given as a new record for Turkey in Özdikmen & Çađlar, 2003.

Cerambyx (s. str.) cerdo Linnaeus, 1758

Material examined: Antalya: Alanya, Çayarası; 27.07.2001, 1 female; Antalya: Alanya, Çayarasıplateau-Sarınut bridge, 1155 m, 12.08.2001, 6 females; Kırklareli: Yneada-Saka lake, Sivrilir village, 10 m, 27.07.2003, 1 male, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Hatay (Akbez) (as *Cerambyx acuminatus*) - Fairmaire, 1884; Çel (Bolkar Mountains) - Bodemeyer, 1906; İstanbul (Belgrad forest) - Acatay, 1943; İstanbul (Bosphorus region, Belgrad Forest), Sinop (Ayancık) - Schimitschek, 1944 and 1953; İstanbul (Bosphorus region, Belgrad Forest and Alem Mountain), Sinop (Ayancık) (as *Cerambyx cerdo* var. *acuminatus*) - Schimitschek, 1944 and 1953; Turkey - Alkan, 1946; Turkey - Acatay, 1948; Bursa (near Sođukpınar) - Çanakçıođlu, 1956; Sakarya (Sapanca) - Nizamlıođlu, 1957; Turkey - Acatay, 1961; Antalya (near Aspendos (Belkıs)) (as *Cerambyx cerdo acuminatus*) - Demelt & Alkan, 1962; Antalya (Aspendos), İstanbul (Polonez village) (as *Cerambyx cerdo acuminatus*) - Demelt, 1963; Turkey - Acatay, 1963; İstanbul (as *Cerambyx cerdo acuminatus*) - Villiers, 1967; Turkey - Acatay, 1968; Turkey - Erdem, 1968; Muğla (Milas) - Gül-Zümreođlu, 1972; Kocaeli (İzmit, Sapanca) - Yen & Ahmed, 1973; Muğla (Milas), İzmir

(Bergama, Bornova) - Gül-Zümreođlu, 1975; Ýstanbul (Polonezköy) (as *Cerambyx cerdo acuminatus*) - Sama, 1982; Ýstanbul (Belgrad Forest), Sinop, Bursa, Muđla, Ýmir – Çanakçýođlu, 1983 and Erdem & Çanakçýođlu, 1977; Ýstanbul (Belgrad Forest) - Öymen, 1987; Turkey – Önder et al., 1987; Tunceli, Ýstanbul (Üsküdar) (as *Cerambyx cerdo acuminatus*) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Ýstanbul, Kastamonu, Sinop, Bursa, Muđla, Ýmir, Kahramanmarař– Kanat, 1998; Ýstanbul (Belgrad Forest), Bursa, Kastamonu, Sinop (Ayancık), Ýmir (various parts), Muđla (Milas) - Lodos, 1998; Niđe (Ulukýla), Adana (Pozantý) – Ulusoy et al., 1999; Adýaman (Karadut village) – Rejzek & Hoskovec, 1999; Tunceli (Pülümür) (as *Cerambyx cerdo ssp. acuminatus*) – Tauzin, 2000; Artvin (Ardanuç-Tepedüzü village) – Alkan, 2000; Turkey – Danilevsky, 2002; Çanakkale (Central-Kordonboyu), Sinop (Türkeli) (as *C. cerdo acuminatus*) - Özdikmen & Kurzawa, 2003. Remarks: New for Kýklareli province.

Cerambyx (s. str.) miles Bonelli, 1823

Material examined: Uřak: Ulubey, Ovacyk village, Gökgöz hill, 1000 m, 01.07.2000, 1 male and 1 female; Konya: Tařkent, 01.07.2001, 1 female, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýel (Bolkar Mountains) – Bodemeyer, 1906; Diyarbakýr (Ex. - Gül-Zümreođlu, 1975); Denizli (Central) - Gül-Zümreođlu, 1975; Edirne (Yerlisu) - Sama, 1982; Diyarbakýr, Denizli – Gül-Zümreođlu, 1975 (Ex. Öymen, 1987); Ýstanbul (Belgrad Forest) - Öymen, 1987; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Niđe (Ulukýla), Adana (Pozantý) – Ulusoy et al., 1999; Adýaman (Karadut village) – Rejzek & Hoskovec, 1999; Turkey – Danilevsky, 2002. Remarks: New for Konya and Uřak provinces.

Cerambyx (s. str.) nodulosus Germar, 1817

Material examined: Uřak: Ulubey, Ovacyk village, Gökgöz hill, 1000 m, 27.05.2000, 1 female; Muđla: Kemer, Ceylan village, 1140 m, 06.08.2000, 1 female; Konya: Tařkent, Ýhaklývillage, Gevne valley, 1525 m, 30.06.2001, 1 male; Antalya: Alanya, Çayarasyplateau-Sarýmut bridge, 1155 m, 12.08.2001, 1 female; Ýel: Gözne, 1200 m, 07.07.2002, 1 female, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (Belgrad Forest) (as *Cerambyx nodicornis*) – Acatay, 1943; Ýstanbul (Bosphorus region-Bahçeköy) – Schimitschek, 1944 and 1953; Turkey – Acatay, 1948; Bursa (Gürsü Forest) – Çanakçýođlu, 1956; Turkey – Acatay, 1961; Ýstanbul – Villiers, 1967; Ýel (Namrun), Ýstanbul

(Alem Mountain) – Demelt, 1967; Turkey – Acatay, 1968; Turkey – Erdem, 1968; Manisa (Demirci) – Gül-Zümreođlu, 1972; Manisa (Demirci) – Ýriboz, 1933 (Ex. - Gül-Zümreođlu, 1975); Ýmir (Bornova) - Gül-Zümreođlu, 1975; Erzurum and near – Özbek, 1978; Turkey – Çanakçýođlu, 1983; Bursa (Gürsu) - (Ex. Öymen, 1987); Bingöl, Osmaniye (Nurdađýpassage), Mardin (Hop passage) - Adlbauer, 1992; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Adýaman (Karadut village) – Rejzek & Hoskovec, 1999; Isparta (Eđirdir) – Tazuin, 2000; Adana, Antalya, Artvin, Erzurum, Ýel – Tozlu et al., 2002; Ýmir, Manisa – Ulu et al., 1995 (Ex. Tozlu et al., 2002); Turkey – Danilevsky, 2002; Manisa (Muradiye) - Tezcan & Rejzek, 2002. Remarks: New for Uřak, Muđla and Konya provinces.

Cerambyx (s. str.) welensii Kuster, 1846

Material examined: Antalya: Alanya, Çayarasýplateau-Sarýmut bridge, 1155 m, 12.08.2001, 1 specimen, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýel (Bolkar Mountains) (as *C. velutinus*) – Bodemeyer, 1906; Ýstanbul (Belgrad Forest) (as *Cerambyx velutinus f. typica*) – Acatay, 1943; Ýstanbul (Polonez village, Alem Mountain) (as *C. velutinus*) – Demelt, 1963; Turkey (as *C. velutinus*) – Erdem, 1968; Turkey (as *C. velutinus*) – Çanakçýođlu, 1983; Ýstanbul (Belgrad Forest) (as *C. velutinus*) - Öymen, 1987; Turkey (as *C. velutinus*) – Lodos, 1998; Adýaman (Karadut village) – Rejzek & Hoskovec, 1999; Asia Minor – Sama & Rapuzzi, 2000; Antalya, Karaman – Tozlu et al., 2002; Turkey – Danilevsky, 2002. Remarks: New for Antalya province.

Cerambyx (Microcerambyx) scopoli Fusslins, 1775

Material examined: Kýklareli: Ýneada-Saka lake, Sivriiler village, 10 m, 27.07.2003, 1 specimen; Kýklareli: Ýneada, Pedina lake, 27.09.2003, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýel (Burna), Antalya (Toros Mountains), Niđe (Çamardý), Sakarya (Sapanca-Gök-dađ) - Bodemeyer, 1900; Ýstanbul (Belgrad Forest) - Acatay, 1943; Ýstanbul (Bosphorus region, Belgrad Forest), Sinop (Ayancýk), Trabzon (Meryemana Forest) – Schimitschek, 1944 and 1953; Turkey – Acatay, 1948; Turkey – Acatay, 1961; Ýstanbul (Polonez village) – Demelt & Alkan, 1962; Ýstanbul (Polonez village) – Demelt, 1963; Samsun (Bafra), Rize (Fýndýklý) – Villiers, 1967; Turkey – Erdem, 1968; Turkey – Acatay, 1968; Ýstanbul (Polonez village) – Ýen & Ahmed, 1973; Artvin (Saçinka) – Sekendiz, 1981; Turkey – Çanakçýođlu, 1983; Ýstanbul (Belgrad

Forest) - Öymen, 1987; Osmaniye (Nurdağýpassage) (as *C. scopolii* ssp. *nitidus*) – Adlbauer, 1988; Tokat (Topçam Mountain) - Adlbauer, 1992; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Kars (Sarıkamış) – Tozlu, 2001; Artvin, Bingöl, Kars – Tozlu et al., 2002; Turkey – Danilevsky, 2002. Remarks: New for Kırklareli province.

Purpuricenus budensis (Gotz, 1783)

Material examined: Ankara: Kazan, Orhaniye village, 1000 m, 14.06.1996, 1 specimen; Antalya: Yıradýplateau road, 500 m, 13.07.1999, 1 specimen; Antalya: Kumluca, Gölcük village, 1130 m, 25.06.2000, 1 specimen; Isparta: Sütçüler, Kasýnlý (Yıcidere), 1324, 26.06.2000, 2 specimens; Antalya: Akseki, Geylan plateau road, 1190 m, 12.07.2000, 1 specimen; Antalya: Alanya, Mahmutlar, 502 m, 26.05.2001, 1 specimen; Antalya: Kemer, Olimpos mountain, 561 m, 26.05.2001, 2 specimens; Afyon: Sultandağý Sultan mountains, 1280 m, 27.06.2001, 2 specimens; Konya: Taþkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 2 specimens; Konya: Taþkent, Beyreli village, 1590 m, 28.07.2001, 1 specimen, all leg. Hasbenli & Çađlar; Ýel: Kocavilayet, Emirler village, 650 m, 05.07.2003, 6 specimens, leg. A. Demir; Yozgat: Yozgat National Park, 15.05.2003, 1 specimen, all specimens det. H. Özdikmen. Distribution in Turkey: Hatay (Akbez) – Fairmaire, 1884; Niđe (Çamardý), Adana (Pozantý) - Bodemeyer, 1900; Turkey - Yıriboz, 1938; Bursa (Orhaneli-Kabaklar village) – Çanakçýođlu, 1956; Amasya, Gümüþhane (Torul), Ýel (Toros Mountains-Bolkar Mountains) – Villiers, 1959; Antalya (Antitoros Mountains) (as *P. budensis* ssp. *interscapillatus*) – Demelt & Alkan, 1962; Antalya (Toros Mountains), Isparta (Eđirdir) – Demelt, 1963; Tunceli (Ovacık), Tokat (Niksar) - Fuchs et Breuning, 1971; Isparta (Eđirdir) – Tuatay et al., 1972; Muđla (Milas) – Gül-Zümreođlu, 1972; Western Anatolia – Yen and Ahmed, 1973; Ýmir (Ödemiþ-Bozdađ – Fairmaire, 1886), Gaziantep, Isparta (Eđirdir) (Ex. - Gül-Zümreođlu, 1975); Ýmir (Karaburun-Balıklýova) (as *Purpuricenus budensis* m. *bitlisiensis* ab. *affinis*) - Gül-Zümreođlu, 1975; Ýmir (Torbalý-Ayrancý, Karaburun-Balıklýova), Muđla (Bodrum-Gümbet, Milas), Denizli (Central), Balýkesir (Susurluk), Çanakkale (Central) - Gül-Zümreođlu, 1975; Erzurum and near – Özbek, 1978; Gaziantep (Fevzipaþa), Manisa (Akhisar), Ýmir - Sama, 1982; Konya (Beyþehir) - Öymen, 1987; Antalya (Yeni Karaman, Alanya-Akseki, Alanya-Güzelbađ), Ýel (Anamur, Erdemli, Silifke, Kuzucubelen), Adana (Kozan-Himmetli), Niđe (Çiftehan) – Adlbauer, 1988; Bingöl-Muþ (36 km E Bingöl) – Sabbadini & Pesarini, 1992; Osmaniye (Nurdağýpassage) (as *P. budensis* ssp. *productus*) - Adlbauer, 1992;

Ýstanbul, Çanakkale, Kocaeli, Samsun, Ankara, Siirt, Afyon, Manisa, Ýmir, Isparta – Lodos, 1998; Adýaman (Karadut village) – Rejzek & Hoskovec, 1999; Adana (Bahçe) – Tauzin, 2000; Adana, Antalya, Artvin, Bingöl, Burdur, Erzurum, Ýel, Konya, Osmaniye – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Adana (near Pozantý), Osmaniye (Hasanbeyli), Ýel (Çamlýayla env., Aydýnlar env.) – Özdikmen & Kurzawa, 2003. Remarks: New for Yozgat province.

Purpuricenus caucasicus Pic, 1902

Material examined: Muđla: Datça, 120 m, 20.05.2001, 1 specimen, leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Erzurum – Sabbadini & Pesarini, 1992. Remarks: This species is the second record for Turkey and the first record for Muđla province.

Purpuricenus dalmatinus Sturm, 1843

Material examined: Antalya: Alanya, Kuþkayasýplace, 1052 m, 26.05.2001, 1 specimen; Antalya: Kemer, Olimpos mountain, 561 m, 26.05.2001, 1 specimen; Osmaniye: Olukbaýplateau, 1600 m, 05.08.2002, 2 specimens, all leg. Hasbenli & Çađlar; Ýel: Kocavilayet, Emirler village, 650 m, 30.06.2002, 1 specimen, leg. A. Demir, all specimen det. H. Özdikmen. Distribution in Turkey: Hatay (Akbez) – Fairmaire, 1884; Antalya (near Central, Manavgat) – Demelt & Alkan, 1962; Antalya (Central, Manavgat, Kumköy) – Demelt, 1963; Siirt (Central, Baykan) – Fuchs et Breuning, 1971; Muđla (Milas), Ýmir (Bornova) – Gül-Zümreođlu, 1972; Ýmir (Ödemiþ-Bozdađ) – Fairmaire, 1866 (Ex. - Gül-Zümreođlu, 1975); Muđla (Bodrum-Karaova, Milas), Ýmir (Bornova) – Gül-Zümreođlu, 1975; Manisa (Akhisar) – Sama, 1982; Muþ, Siirt (Eruh), Osmaniye (Nurdađýpassage), Kahramanmaraþ (Andýrn), Ýel (Erdemli) – Adlbauer, 1988; Turkey – Lodos, 1998; Adýaman (Karadut village) – Rejzek & Hoskovec, 1999; Bingöl, Antalya (Termessos) – Tauzin, 2000; Asia Minor – Sama & Rapuzzi, 2000; Anatolia (Asian Turkey) – Jenis, 2001; Ýel (Erdemli-Güzeloluk road 7th km), Osmaniye (Hasanbeyli) – Özdikmen & Kurzawa, 2003.

Aromia moschata (Linnaeus, 1758)

Material examined: Antalya: Elmalý near Çalpýnar, 1168 m, 10.07.2003, 1 specimen; Yozgat: Çamlýk National Park, May-2003, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Bilecik (as *Aromia moschata* var. *thoracica*) – Bodemeyer, 1906; Turkey – Bodenheimer, 1941; Ýstanbul (Belgrad

Forest) – Acatay, 1943; Turkey – Acatay, 1948; Bursa (near Sođukpýnar, Baraklý village-bank of Nilüfer stream) – Çanakçýođlu, 1956; Turkey – Bodenheimer, 1958; Turkey – Acatay, 1961; Antalya (Central) (as *Aromia moschata var. thoracica*) – Demelt & Alkan, 1962; Antalya (as *Aromia moschata ssp. thoracica*) – Demelt, 1963; Turkey – Acatay, 1963; Adana, Artvin (as *Aromia moschata ambrosiaca*) – Villiers, 1967; Tokat (Argulu-Niksar) – Villiers, 1967; Turkey – Acatay, 1968; Ýmir (Central, Kýnyk), Manisa (Demirci) (as *Aromia moschata var. ambrosiaca*) – Gül-Zümreođlu, 1972; Adana – Gül-Zümreođlu, 1972; Ýmir (Bergama) – Tuatay et al., 1972; Aydýn (Nazilli), Ýmir (Bergama, Kýnyk) (as *Aromia moschata ssp. ambrosiaca m. thoracica*) – Gül-Zümreođlu, 1975; Antalya, Aydýn, Ýmir – Erdem & Çanakçýođlu, 1977; Antalya, Aydýn, Ýmir – Çanakçýođlu, 1983; Balýkesir (Kuþcenneti National Park) – Öymen, 1987; Turkey – Önder et al., 1987; Ýmir (Selçuk), Antalya (Elmalı) (as *Aromia moschata ambrosiaca*) – Adlbauer, 1992; Tunceli (Pülümür) – Adlbauer, 1992; Ýmir, Manisa – Ulu et al., 1995; European Turkey – Althoff & Danilevsky, 1997; Ýstanbul, Bursa (Uludađ), Balýkesir, Antalya, Aydýn, Ýmir, Kahramanmaraþ – Kanat, 1998; Ýstanbul, Bursa, Balýkesir, Antalya, Ýmir, Aydýn, Aegean Region, Mediterranean Region – Lodos, 1998; Adýyaman (Karadut village) (as *Aromia moschata ssp. ambrosiaca*) – Rejzek & Hoskovec, 1999; Isparta (as *Aromia moschata thoracica*) – Tauzin, 2000; South and East Turkey – Jenis, 2001; Erzurum, Samsun – Tozlu et al., 2002; Antalya, Aydýn, Balýkesir, Bursa (Uludađ), Ýstanbul, Ýmir (as *A. moschata*) – Çanakçýođlu, 1993 / Çanakçýođlu and Mol, 1998 (Ex. Tozlu et al., 2002); Antalya, Bingöl, Burdur, Çanakkale, Kahramanmaraþ – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Manisa (Muradiye), Ýmir (Kemalpaþa, Ören) (as *Aromia moschata ambrosiaca*) – Tezcan & Rejzek, 2002. Remarks: New for Yozgat province.

Stenopterus rufus (Linnaeus, 1767)

Material examined: Antalya: Alanya, between Çayarasyand Cýrlasun, 1100 m, 11.06.1999, 1 specimen; Antalya: Kalkan, 15 m, 21.05.2000, 3 specimens; Antalya: Alanya, Mahmutlar, 502 m, 26.05.2001, 2 specimens; Antalya: Kemer, Olimpos mountain, 561 m, 26.05.2001, 1 specimen; Konya: Akþehir, Çimendere village, Sultan mountains, 1535 m, 27.06.2001, 1 specimen; Gümüþhane: Kelkit, Günyurdu village, 1870 m, 02.07.2003, 3 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Antalya (Antitoros) – Demelt & Alkan, 1962; Ýel (Namrun) – Demelt, 1963; Artvin (Yusufeli), Samsun (Ladik), Ýel (Alata) (as *Stenopterus rufus syriacus* Pic) – Villiers, 1967; Tunceli (Ovacık) – Fuchs et

Breuning, 1971; Kocaeli, Yalova – Gfeller, 1972; Ýmir (Kemalpaþa, Bergama-Pakran, Bergama-Kozak) - Gül-Zümreođlu, 1975; Gaziantep (Fevzipaþa), Sinop (Dranaz Mountain) - Sama, 1982; Samsun (Vezirköprü) - Öymen, 1987; Antalya (Taþaðý, Alanya, Alanya-Güzelbađ), Ýel (Anamur, Silifke-Gülnar, Kuzucubelen, Erdemli), Osmaniye (Nurdađýpassage), Niöde (Çiftehan) – Adlbauer, 1988; European Turkey (as *S. rufus geniculatus*) – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Adýyaman (Karadut village) (as *Stenopterus rufus ssp. syriacus*) – Rejzek & Hoskovec, 1999; Tokat (Almus), Kastamonu (Ilgaz Mountain, Devrekani) (as *Stenopterus rufus ssp. geniculatus*) – Tauzin, 2000; Antalya (as *Stenopterus rufus syriacus*) – Tauzin, 2000; Asia Minor (as *Stenopterus rufus ssp. syriacus*) – Sama & Rapuzzi, 2000; Trabzon (Akçaabat) – Alkan, 2000; Artvin, Bilecik, Erzurum, Gümüþhane, Rize – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Ankara (Kýzýlcamahamam-Yukarý Çanlıý), Kayseri (Kapuzbaþý, Büyükçayýr-Yepilköy) – Özdikmen & Kurzawa, 2003; Osmaniye (9 km S of Hasanbeyli), Ýel (Aydýnlar env.) (as *S. rufus syriacus*) – Özdikmen & Kurzawa, 2003. Remarks: New for Konya province.

Callimus (Lampropterus) femoratus (Germar, 1824)

Material examined: Antalya: Kalkan, 15 m, 21.05.2000, 1 specimen; Konya: Taþkent, Beyreli village, 1550 m, 25.05.2001, 1 specimen; Antalya: Alanya, Çayarasý village, 1210 m, 26.05.2001, 1 specimen; Burdur: Bucak, Çamlýk village, 1238 m, 28.05.2001, 1 specimen; Konya: Taþkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 1 specimen; Yozgat: Çiödemli, Gökinip village, 1233 m, 23.06.2003, 6 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Hatay (Akbez) – Fairmaire, 1884; Ýel (Burna), Antalya (Toros Mountains), Niöde (Çamardý) - Bodemeyer, 1900; Ýel (Toros Mountains-Bolkar Mountains) (as *Callimus adonis*) – Villiers, 1959; Antalya (Central and near) (as *Callimellum adonis*) – Demelt & Alkan, 1962; Antalya (as *Callimellum adonis*) – Demelt, 1963; Adana (as *Callimellum narcissus*) – Demelt, 1963; Hatay (Amanos Mountains-Nurdađýpassage), Amasya, Ýel (Alata) – Villiers, 1967; Bursa (Uludađ) (as *Callimellum narcissus*) – Villiers, 1967; Hakkari (Yüksekova and Pemdinli), Muþ, Bingöl (Karlýova) (as *Callimellum femoratum*) - Fuchs et Breuning, 1971; Balýkesir (Gönen), Çanakkale (Biga) – Gfeller, 1972; Çanakkale (Ahmetler-Ayvacyk), Balýkesir (Ayvalýk-Bađyüzün), Muđla (Ula) (Ex. - Gül-Zümreođlu, 1975); Ýmir (Agamemnun, Bergama-Kozak, Kemalpaþa), Balýkesir (Susurluk) - Gül-Zümreođlu, 1975; Kýykkale, Manisa (Akhisar), Ýmir (as *Callimellum adonis*) -

Sama, 1982; Ýmir, Çanakkale, Balýkesir, Muðla – Gül-Zümreoðlu, 1975 (Ex. Öymen, 1987); Adana (Nur Mountain), Ýel (Erdemli) - Öymen, 1987; Edirne, Antalya (Kemer, Yeni Karaman, Termessos, Alanya-Güzelbað), Çanakkale, Burdur (Sagalassos), Ýmir (Samsun Mountain), Ýel (Anamur, Silifke-Gülнар, Erdemli, Kuzucubelen, Tarsus-Çamlýayla), Osmaniye (Nurdaðýpassage), Kahramanmaraþ, Adana (Kozan) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Çanakkale, Balýkesir, Muðla, Antalya (as *Callimellum adonis*) – Lodos, 1998; Adýyaman (Karadut village) – Rejzek & Hoskovec, 1999; Asia Minor – Sama & Rapuzzi, 2000; Antalya, Artvin, Bingöl, Diyarbakýr, Erzurum – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Osmaniye (Hasanbeyli), Ýel (Çamlýayla env., Aydýnlar env.) – Özdikmen & Kurzawa, 2003. Remarks: New for Yozgat and Konya provinces.

Echinocerus floralis (Pallas, 1733)

Material examined: Zonguldak: Çaycuma-Safranbolu road, Ahmet Usta passage, 950 m, 28.06.1995, 1 specimen; Karabük: Cumayaný 300 m, 01.07.1995, 1 specimen; Sinop: Boyabat, Çukurca village, 1150-1200 m, 18.09.1995, 1 specimen; Denizli: Çivril, Sarýlar village, 800 m, 16.06.1999, 1 specimen; Isparta: Keçiborlu, Özbahçe village, 1300 m, 22.06.2000, 1 specimen; Isparta: Keçiborlu, Yenitepe, 1355 m, 22.06.2000, 3 specimens; Uþak: Ulubey, Ovacýk village, Gökgöz hill, 1000 m, 01.07.2000, 1 specimen; Isparta: Eðirdir, between Eðirdir and Gelendost, 850 m, 11.06.2001, 2 specimens; Isparta: Yalvaç, Sultan mountains, 1350 m, 11.06.2001, 1 specimen; Konya: Akþehir, Çimendere village, Sultan mountains, 1497 m, 27.06.2001, 1 specimen; Isparta: Yalvaç, Baðkonak, Kozluca village, Sultan mountains, 1130 m, 28.06.2001, 1 specimen; Antalya: Alanya, Gökbel plateau, 1430 m, 30.06.2001, 1 specimen; Konya: Taþkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 3 specimens; Isparta: Yalvaç, Sultan mountains, 1674 m, 25.07.2001, 1 specimen; Burdur: Gölhisar, Çameli road, 1160 m, 22.06.2002, 1 specimen; Yozgat: exit of Sarayköy, 1218 m, 21.06.2003, 1 specimen; Yozgat: Saraykent, Arpalýk village, 1268 m, 21.06.2003, 4 specimens; Yozgat: Çiðdemli, Gökiniþvillage, 1233 m, 23.06.2003, 1 specimen; Çorum: Alaca, Kýçýllý 995 m, 23.06.2003, 2 specimens; Gümüşhane: Kelkit, Güllüce village, 1770 m, 02.07.2003, 1 specimen; Gümüşhane: Kelkit, Günyurdu village, 1870 m, 02.07.2003, 1 specimen; Erzincan: Tercan, Rýzabey village, 1630 m, 03.07.2003, 2 specimens; Erzurum: Aþkale, Çatalbayýr village, 1890 m, 03.07.2003, 2 specimens; Erzurum: Nenehatun village, 1860 m, 04.07.2003, 1 specimen; Sivas: Hafik, Akpýnar village, 1433 m,

06.07.2003, 3 specimens; Sivas: Ulaş, 1510 m, 06.07.2003, 3 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Niđe (Çamardı), Antalya (Toros Mountains) - Bodemeyer, 1900; Turkey - Ýriboz, 1938; Amasya, Between Erzurum and Ađrı(Mirgemir Mountain, Kop Mountain entry Bayburt and Erzurum) – Villiers, 1959; Ýmir (Bornova) – Demelt & Alkan, 1962; Ýmir (Bornova), Afyon, Isparta (Eđirdir), Ýel (Namrun) – Demelt, 1963; Yozgat, Ankara (Central, Kavaklıdere) – Villiers, 1967; Ankara – Özer & Duran, 1968; Erzincan (Central), Tunceli (20-25 km SW), Tokat (Niksar), Elazığ (Hazar lake) - Fuchs et Breuning, 1971; Isparta (Eđirdir) – Tuatay et al., 1972; Ýmir (Karlıyaka, Turgutlu) – Gül-Zümreođlu, 1972; Manisa (Turgutlu), Ýstanbul (Belgrad forest) – Schimitschek, 1953 (Ex. - Gül-Zümreođlu, 1975); Isparta (Uluborlu), Ýmir (Karlıyaka, Kemalpaşa, Bergama-Kınık, Foça), Manisa (Turgutlu) - Gül-Zümreođlu, 1975; Erzurum and near – Özbek, 1978; Ýmir, Manisa (Akhisar), Çorum (Mecitözü), Kars (Ardahan) - Sama, 1982; Ankara (Ayap, Beynam Forest), Kayseri (Sultanhanı) - Öymen, 1987; Çanakkale (Ayvacık) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Adıyaman (Karadut village) – Rejzek & Hoskovec, 1999; Trabzon (Uzungöl) – Alkan, 2000; Adana, Antalya, Artvin, Bilecik, Erzincan, Erzurum, Giresun, İdý, Kars, Konya, Sivas – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Adana (Pozantı-entry of Fındıklı), Niđe (Niđe-Bor road, near Ulukıla, Çamardı-Yelatan village, exit of Ulukıla-Adana, Çamardı-Bademdere-Elmalı, Bor-Altunhisar, Çamardı-Bulduruş passage, between Araplı-Höyük, Tepeköy, Niđe-Bor road-Derbent place), Ankara (Kızılcahamam-İpek Mountain, Yenimahalle village, YukarıÇanlı, Güvem, Yasin village, the peak of Bel), Kayseri (Yahyalı-Senirköy, Güzelöz-Yeşilhisar), Ýel (between Mut-Karaman, Deđirmenbaşı Mut-Karaman road-Gökçeören pine grove), Karaman (Karaman-Eređli road, entry of Ayrancı), Asian Turkey – Özdikmen & Kurzawa, 2003. Remarks: New for Zonguldak, Karabük, Sinop, Denizli, Burdur, Uşak and Gümüşhane provinces.

Chlorophorus figuratus (Scopoli, 1763)

Material examined: Antalya: Alanya, Kuyukayasıplace, 1052 m, 26.05.2001, 1 specimen; Konya: Taşkent, Beyreli village, Gevne valey, 1570 m, 01.07.2001, 2 specimens; Ýel: Gözne, 1200 m, 07.07.2002, 1 specimen; Gümüşhane: Kelkit, Günyurdu village, 1870 m, 02.07.2003, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (Polonez village) – Demelt & Alkan, 1962; Ýstanbul (Polonez village) – Demelt, 1963; Trabzon (Zigana Mountains) – Villiers, 1967; Gümüşhane (Torul) – Gfeller, 1972; Trabzon (Maçka) - Öymen,

1987; Tokat (Yakacık-Gökdere), Kastamonu (Masruf passage-Küre) - Adlbauer, 1992; European Turkey – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Turkey – Danilevsky, 2002. Remarks: New for Antalya, Konya and Țel provinces.

Chlorophorus hungaricus (Seidlitz, 1861)

Material examined: Kastamonu: Araç, Central, 650 m, 29.06.1995, 1 specimen; Kastamonu: Araç, Diphan village, 800 m, 29.06.1995, 1 specimen; Sivas: Yıldızeli, Cumhuriyet village, 1370 m, 22.06.2003, 2 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Adana (Nurdađypassage) - Sama, 1982; Osmaniye (Nurdađypassage), Țel (Erdemli, Silifke-Mut) – Adlbauer, 1988; Turkey – Lodos, 1998; Ankara (Kızılcahamam-Iþık Mountain), Adana (Pozantý-entry of Fýndýkly), Niđe (Gebere dam), Țel (between Gözne-Mersin, entry of Çukurbađ, Mut-Karaman road-Deđirmenbađı) – Özdikmen & Kurzawa, 2003. Remarks: New for Kastamonu and Sivas provinces.

Chlorophorus sartor (Muller, 1766)

Material examined: Isparta: Yeniþarbademli-Gedikli, near Beyþehir lake, 1140 m, 02.08.2000, 1 specimen; Antalya: Alanya, Gökbel plateau, 1430 m, 30.06.2001, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (Alem-Dađ) – Bodemeyer, 1906; Gümüþhane (Torul), Amasya – Villiers, 1959; Antalya, Isparta (Eđirdir) – Demelt & Alkan, 1962; Antalya, Isparta (Eđirdir) – Demelt, 1963; Amasya, Samsun (Köprübađı-Havza), Țel (Alata), Artvin (Yusufeli), Tekirdađ – Villiers, 1967; Țel (Silifke) – Tuatay et al., 1972; Gaziantep (Fevzipaþa) - Sama, 1982; Isparta (Atabey-Ýlamköy), Muđla (Bodrum-Gümbet), Ýmir (Kemalpaþa, Tire, Çeþmealty) - Gül-Zümreođlu, 1975; Tekirdađ (Malkara), Bursa (Uludađ road), Samsun (Vezirköprü) - Öymen, 1987; Antalya (Yeni Karaman, Alanya-Güzelbađ), Çanakkale (Ayvacık), Ýmir (Selçuk), Țel (Anamur), Osmaniye (Nurdađypassage) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Tekirdađ, Ýstanbul, Balıkesir, Manisa, Ýmir, Aydın, Muđla, Denizli, Isparta, Hatay (Antakya) – Lodos, 1998; Asia Minor – Sama & Rapuzzi, 2000; Antalya, Artvin, Bilecik, Çankýry Elazıđ, Erzurum, Gümüþhane, Konya – Tozlu, 2002; Turkey – Danilevsky, 2002; Ankara (Kızılcahamam), Kayseri (Yahyalı-Büyükçayır-Yeþilköy-Kapuzbađıplace), Samsun (Havza-Kocapınar village), Țel (exit of Fýndýkpınarı), Antalya (SE Alanya) – Özdikmen & Kurzawa, 2003.

Chlorophorus trifasciatus (Fabricius, 1781)

Material examined: Kastamonu: Araç, Diphan village, 800 m, 29.06.1995, 1 specimen; Konya: Taþkent, Beyreli village, Gevne valley, 1585 m, 10.07.2000, 1 specimen; Antalya: Kemer, Olimpos mountain, 561 m, 26.05.2001, 1 specimen, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ýstanbul (Polonez village) – Demelt & Alkan, 1962; Ýstanbul (Polonez village), Ýel (Namrun) – Demelt, 1963; Kütahya (near Simav) - Öymen, 1987; Turkey – Lodos, 1998. Remarks: New for Kastamonu, Konya and Antalya provinces.

Chlorophorus varius (Muller, 1766)

Material examined: Zonguldak: Safranbolu, Araç road, 420 m, 29.06.1995, 1 specimen; Bolu: Yeniçađ, Avþar village, 920 m, 18.07.1995, 1 specimen; Van: Edremit, 1700 m, 09.08.1997, 1 specimen; Muđla: Köyceđiz, Karaböđürtlen village, bank of Tahliye stream, 90 m, 18.07.2000, 1 specimen; Antalya: Kaþ, Gömbe, Sinekçi village, Sinekçibeli, 1345 m, 27.07.2001, 5 specimens; Uþak: Ulubey, Ovacyk village, Gökgez hill, 1000 m, 01.06.2002, 3 specimens, all specimens leg. Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Bilecik – Bodemeyer, 1906; Denizli (Menderes Valley) – Schimitschek, 1944 and 1953; Amasya, Gümüþhane (Torul) – Villiers, 1959; Ýmir (Bornova) (as *C. varius damascenus*) – Demelt & Alkan, 1962; Ýmir (Bornova), Antalya (Alanya) (as *C. varius damascenus*) – Demelt, 1963; Amasya – Villiers, 1967; Ýmir (Torbalý) – Tuatay et al., 1972; Ýmir (Bornova), Manisa (Turgutlu, Demirci) – Gül-Zümreođlu, 1972; Ankara, Ýmir – Ýen & Ahmed, 1973; Ýmir (Bornova), 01.08.1931, N. Ýriboz (Ex. - Gül-Zümreođlu, 1975); Isparta (Atabey-Ýlamköy), Muđla (Köyceđiz, Fethiye-Kesikkapý Dalaman-Karaçalý Marmaris-Gökova), Ýmir (Kemalpaþa, Urla-Çýlýk village, Bornova, Urla, Menemen, Çepmealty), Manisa (Demirci, Turgutlu), Çanakkale (Lapseki), Denizli (Sarayköy, Central, Çivril), Balýkesir (Manyas), Aydýn (Çine) - Gül-Zümreođlu, 1975; Erzurum and near – Özbek, 1978; Trabzon (Meryemana Forests) – Sekendiz, 1981; Kýkkale - Sama, 1982; Ýstanbul (Bahçeköy) - Öymen, 1987; Turkey – Önder et al., 1987; Antalya (Alanya), Ýmir (Selçuk, Samsun Mountain) – Adlbauer, 1988; European Turkey – Althoff & Danilevsky, 1997; Kýklareli, Ýstanbul, Çanakkale, Adana, Antalya, Panlýrfa, Mardin, Aegean Region – Lodos, 1998; Adýyaman (Karadut village) – Rejzek & Hoskovec, 1999; Asia Minor – Sama & Rapuzzi, 2000; Ankara, Antalya, Artvin, Bilecik, Burdur, Erzincan, Erzurum, Hatay, Iðdy,

Isparta, Ȳel, Konya, Malatya, Muđla, Muđ, Osmaniye, Tokat – Tozlu et al., 2002; Ȳmir, Manisa – Ulu et al., 1995 (Ex. Tozlu et al., 2002); Turkey – Danilevsky, 2002; Manisa (Muradiye), Ȳmir (Kemalpađa, Ören) - Tezcan & Rejzek, 2002; Nevşehir (Avanos), Niđe (between Bor-Altınova, Bor-Balcývillage), Adana (PozantýȲel road), Ȳel (between Erdemli-Güzeloluk, exit of Atakent, Mut-Silifke road 10th km, Erdemli-Güzeloluk road, Mersin-Gözne road-Çukurkeklik, Silifke-Mut road-Göksu bridge), Karaman (Karaman-Mut road), Asian Turkey, Antalya (SE Alanya) – Özdikmen & Kurzawa, 2003. Remarks: New for Zonguldak, Bolu, Uđak and Van provinces.

Clytus rhamni Germar, 1817

Material examined: Antalya: Alanya, Mahmutlar, 502 m, 26.05.2001, 1 specimen; Antalya: Kemer, Olimpos mountain, 561 m, 26.05.2001, 1 specimen; Konya: Akşehir, Cankurtaran village, Sultan mountains, 1516 m, 27.06.2001, 3 specimens; Sivas: Yıldızeli, Cumhuriyet village, 1370 m, 22.06.2003, 1 specimen; Yozgat: Çiđdemli, Gökinibvillage, 1233 m, 23.06.2003, 2 specimens; Gümüřhane: Kelkit, Günyurdu village, 1870 m, 02.07.2003, 6 specimens, all specimens Hasbenli & Çađlar, det. H. Özdikmen. Distribution in Turkey: Ȳstanbul (Alem-Dađ) – Bodemeyer, 1906; Sinop (Ayancık) – Schimitschek, 1944 and 1953; Amasya – Villiers, 1959; Ȳstanbul (Polonez village, Alem Mountains, Beykoz, Anadoluhisarý Çengelköy), Ȳmir (near Central, Kemalpađa, Efes, Bergama, Antalya: near Central, Belkýs (Aspendos, Cumali), Antitoros Mountains (Bey Mountains, Korkuteli), Alanya and near), Isparta (Eđirdir and near) – Demelt & Alkan, 1962; Turkey – Demelt, 1963; Amasya, Artvin – Villiers, 1967; Bayburt (Central) - Fuchs et Breuning, 1971; Amasya, Kocaeli, Yalova – Gfeller, 1972; Ȳel (Silifke) – Tuatay et al., 1972; Gaziantep (Fevzipađa) (as *Clytus rhamni temesiensis*) - Sama, 1982; Hatay (Amanos Mountains-near Dörtýol) - Öymen, 1987; Ȳmir (Efes), Antalya (Central, Kemer, Alanya-Güzelbađ, Manavgat, Patara, Termessos, Yeni Karaman), Ȳel (Anamur, Silifke-Gülnar, Kuzucubelen, Tarsus-Çamlýayla, Silifke, Kanlýdivane), Çanakkale (Ayvacık), Osmaniye (Nurdađýpassage), Kahramanmarař (Andýrýn), Adana (Kozan) (as *Clytus rhamni temesiensis*) – Adlbauer, 1988; European Turkey (as *Clytus rhamni temesiensis*) – Althoff & Danilevsky, 1997; Turkey – Lodos, 1998; Adýyaman (Karadut village) (as *Clytus rhamni temesiensis*) – Rejzek & Hoskovec, 1999; Antalya, Artvin, Bilecik, Hatay, Gümüřhane, Tokat – Tozlu et al., 2002; Turkey – Danilevsky, 2002; Ankara (Kýzýlcahamam-Güvem, YukarýÇanlý Yasin village), Kayseri (YahyalýBüyükçayýr-Yeřilköy-Kapuzbađýplace), Ȳel

(Uzuncaburç road, Mersin-Gözne road-entry of Yeniköy) – Özdikmen & Kurzawa, 2003. Remarks: New for Konya, Sivas and Yozgat provinces.



Map 1. The provinces of Turkey

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