

A Preliminary Review of the Subfamily Alticinae (Coleoptera, Chrysomelidae) in Turkey

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Abstract: Distributional data about 234 species and subspecies belonging to 21 genera of Alticinae in Turkey are given. Thirteen of these taxa, *Altica lythri* Aubé, *Aphthona rugipennis* Ogloblin, *Chaetocnema laevicollis* (Thomson), *Dibolia rugulosa* Redtenbacher, *Longitarsus atricillus* (Gyllenhal), *L. bytinskii* Furth, *L. jacobaeae* (Waterhouse), *L. reichei* (Allard), *L. salviae* Gruev, *Phyllotreta striolata* (Fabricius), *Ph. tetrastigma* (Comolli), *Psylliodes saulcyi* Allard, *P. testaceiconcolor* Heikertinger, and one subspecies, *Longitarsus alfieri furthi* Gruev are new records for the fauna of Turkey. Four species (*Longitarsus artvinus* Gruev et Aslan, *L. kopdagiensis* Gruev et Aslan, *Phyllotreta oltuensis* Gruev et Aslan, *Ph. ozbeki* Gruev et Aslan) the original descriptions of which are in press, are briefly mentioned.

Key Words: Coleoptera, Chrysomelidae, Alticinae, Review.

Türkiye'nin Alticinae (Coleoptera, Chrysomelidae) Altfamilyası Türleri

Özet: Çalışma sonucunda, Türkiye'de Alticinae altfamilyasından 21 cinse bağlı 234 tür ve alttürün bulunduğu saptanmıştır. Bunlardan, *Altica lythri* Aubé, *Aphthona rugipennis* Ogloblin, *Chaetocnema laevicollis* (Thomson), *Dibolia rugulosa* Redtenbacher, *Longitarsus atricillus* (Gyllenhal), *L. bytinskii* Furth, *L. jacobaeae* (Waterhouse), *L. reichei* (Allard), *L. salviae* Gruev, *Phyllotreta striolata* (Fabricius), *Ph. tetrastigma* (Comolli), *Psylliodes saulcyi* Allard, *P. testaceiconcolor* Heikertinger türleri ve bir alttür, *Longitarsus alfieri furthi* Gruev Türkiye faunası için yeni kayıttır. Ayrıca, bilim dünyası için yeni 4 türün (*Longitarsus artvinus* Gruev et Aslan, *L. kopdagiensis* Gruev et Aslan, *Phyllotreta oltuensis* Gruev et Aslan, *Ph. ozbeki* Gruev et Aslan) tanımları bir başka çalışmada yapılmıştır.

Anahtar Sözcükler: Coleoptera, Chrysomelidae, Alticinae, Tür listesi.

Introduction

Alticinae is the largest subfamily of the family Chrysomelidae and is distributed throughout the world with over 8,000 species and there are 1,000 species in the Palaearctic subregion. Commonly called flea-beetles, because of their usually small size 0.5–18 mm long, and ability to jump, body small or moderate in size, ovoid, elongated–oval, or cylindrical, more rarely with short hairs, and extremely variable in colour; many are shining and metallic. They are characterized by the prognathous to hypognathous head, usually antennae 11 segmented, more rarely 10 or 9 segmented and filiform or gradually broaden toward apex. Head extends into pronotum up to posterior optic region, sometimes totally hidden under it, and frons for most part with frontal tubercles demarcated from upper part of frons by narrow furrows.

The strongly dilated metafemora contain endoskeletal jumping organ.

The adults are usually oligophagous, sometimes polyphagous, but rarely monophagous. They feed on the foliage of herbaceous plants, bushes, and trees in a wide range of angiosperm families, as well as some gymnosperms. They often cause characteristic “shot holing” damage by completely perforating with numerous small holes the foliage on which they feed. Larvae live in soil, plants tissues, or leaves and many cause severe damage.

Alticinae is the most important subfamily of Chrysomelidae, but there are few publications that deal with the fauna and distribution of it in Turkey particularly in eastern Anatolia. However, Kısmalı (1), Medvedev (2,

3), Tomov and Gruev (4), Gruev and Tomov (5), Gruev and Kasap (6), Biondi (7, 8), Gruev et al. (9) and Özbek et al. (10) have made some studies on this group of insects.

This study was conducted to determine the composition and distribution of the species of the subfamily Alticinae which cause economic damage to many kinds of cultivated and wild plants in Turkey.

Materials and Methods

This study was performed based on material collected from different parts of Turkey during 1992–1998 and previous studies.

The insect samples were collected throughout the growing seasons from various vegetations using hand, sweepnet and aspirator.

Results

A total of 234 species and subspecies belonging to 21 genera of the subfamily Alticinae have been found so far in Turkey. Of these specimens, only 154 taxa were examined and the rest of them were listed from the literature.

Genus: *Altica* Fabricius, 1775

***A. ancycensis* (WEISE, 1897)**

Haltica ancycensis WEISE, Ent. Zeit. (Stettin), 58:67; HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; *Altica ancycensis*: KRAL, 1969.

Distribution in Turkey: Asian Turkey: Ankara (locus typicus) (11, 12, 13, 14) Asia Minor (15).

Material examined: Erzurum: Ilıca, Kandilli, 1600 m, 22.VIII.1996; Tortum, Kireçli, 1750 m, 8.VII.1995; 15.IX.1993, leg. İ. ASLAN.

General distribution: Armenia, Israel, Asian Turkey.

***A. bicarinata* (KUTSCHERA, 1860)**

Haltica bicarinata KUTSCHERA, Wien, Ent. Monatschr., 4:14; HEIKERTINGER, 1930; TOMOV and GRUEV, 1975; *H. ciliciensis*: WEISE, 1897a; CSIKI and HEIKERTINGER, 1940; *Altica bicarinata*: KRAL, 1979; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Akbaş, Tarsus (11, 16), Asia Minor (15, 13), Alata (Mt. Gök), Antakya, Mersin, Engiz (Samsun), Trabzon (4), Karagöl (in Mt. Toros), Eskişehir, Adana, Bilecik, Tahtali Mts. (Adana–Kayseri), Karataş (Adana), Eibes (16), Ürgüp (Nevşehir) (6).

Material examined: Side (Antalya), 27.V.1989–9.VI.1989; Gündoğmuş, 600 m, leg. İ. RYDH; Dört Yol, Yeşilköy (Hatay), 6.III.1995, leg. L. GÜLTEKİN; Mersin, 15, V.1996; Adana, 10.VIII.1994, leg. M.İŞİK.

General distribution: Eastern Mediterranean, Iran, Turkey, Egypt.

***A. brevicollis* FOU DRAS, 1860**

A. brevicollis FOU DRAS, Ann. Soc. Linn. Lyon (n.s.), 7:34, 40; KRAL, 1964; *Haltica brevicollis*: APFELBECK, 1916; HEIKERTINGER, 1930; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970.

Distribution in Turkey: European Turkey: Belgrat Ormanları (Istanbul) (17); Asian Turkey: Asia Minor (15, 13, 18), Bithyn Olimp (19), between Tokat and Almus, Göbbaşı (Adıyaman), Yolüstü (Rize) (2).

Material examined: Erzurum: Hamamderesi, 10.VIII.1994; Köşkköyü, 20.VI.1996; Palandöken, 6.VIII.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Iran, Kazakhstan, Turkey.

***A. bulgharensis* KRAL, 1969**

A. bulgharensis KRAL, Ent. Blatter, 65, 2: 79–80.

Distribution in Turkey: Asian Turkey: Tarsus (Mersin); Karagöl (in Mt. Toros) (locus typicus); Bolkar Mt. (14).

General distribution: Asian Turkey.

***A. carduorum* (GUÉRIN–MÉNEVILLE, 1858)**

Haltica carduorum GUÉRIN–MÉNEVILLE, Rev. Mag. Zool., p. 415; TOMOV and GRUEV, 1975; *Altica carduorum*: KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Mogan Lake (Ankara) (20); Çubuk (Ankara) (4); Demetevler, Beytepe, Gıcık Köyü, Atatürk Orman Çiftliği, Temelli, Lalahan, Elmadağ, Beynam, Tüney Köyü, Kalecik, Kızılcahamam (Ankara), Eldivan (Çankırı), Konya, Akşehir, Sultan Mt. (Konya), Kızılca, Çuğun Barajı (Kırşehir), Nevşehir, Aksaray, Koparan (Çorum), Yerköy (Yozgat), Gezi, Bünyan (Kayseri), Sivas, Yıldızeli (Sivas), İspir (Erzurum) (6).

Material examined: Artvin: Hopa, 2.IX.1994; Ganlıköy, Hopa, 2.IX.1994; Sugören, 11X.1994; Erzurum: Dumlu, 20.VII.1994, leg. İ. ASLAN; Ordu: Gülyalı, 23.V.1992, leg. G. TOZLU.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Central Asia.

A. *cornivorax* KRAL, 1969

A. cornivorax KRAL, Ent. Blatter, 65, 2:72–73, *Haltica cornivorax*: TOMOV and GRUEV, 1975.

Distribution in Turkey: European Turkey: Belgrat Ormanları (4).

General Distribution: Central and Southern Europe.

A. *deserticola* (WEISE, 1889)

Haltica deserticola WEISE, Horae Soc. Ent. Ross., 570, 635; CSIKI and HEIKERTINGER, 1940; TOMOV and GRUEV, 1975; TUATAY et al., 1972; *Haltica deserticola eichleri*: TOMOV and GRUEV, 1975.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15); Amasya, İğdir, Niksar (Tokat), Ararat (Ağrı), Reyhanlı (Hatay) (4), Batman (21).

Material examined: Artvin: Demirkent, Yusufeli (Artvin), 450 m, 6.VII.1994, leg. İ. ASLAN; Erzurum: İspir, Kan, 1500 m, 20.VIII.1970, leg. H. ÖZBEK; Tortum, 1600 m, 4.VII.1994; Üniversite, 1850 m, 21.VI.1994; 10.VII.1996, leg. İ. ASLAN; Malatya: Akçadağ, 8.VIII.1996, leg. M. ERKOÇ; Muş, 21.VII.1971, leg. H. ÖZİŞİK; Kars: Kağızman, 9.VII.1991, leg. Ş. GÜÇLÜ; İğdir, 10.VII.1980, on *Glyrrhiza*, leg. H. ÖZİŞİK.

General distribution: Russia, Kazakhstan, Caucasus, Turkey, Afghanistan, Near East, Central Asia, Mongolia, Korea, Taiwan.

A. *globicollis* (WEISE, 1889)

Haltica globicollis WEISE, Horae Soc. Ent. Ross., 23: 635; HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; *Altica globicollis*: KRAL, 1969.

Distribution in Turkey: European Turkey: İstanbul (14); Asian Turkey: Erzurum (locus typicus) (4, 22), Asia Minor (13, 15), Mersin, “Kochetia” (14).

General distribution: Caucasus, Turkey, Iran.

A. *hampei* (ALLARD, 1867)

Graptodera hampei ALLARD, Abeille, 3: 400; *Altica khnozoriani* KRAL, 1969; *Haltica khnozoriani*: TOMOV and GRUEV, 1975.

Distribution in Turkey: Amasya; Mt. Yigaz (14), Kalecik (Ankara) (4).

Material examined: Erzurum: Pasinler, Büyükdere, 1900 m, 11.VII.1996, leg. İ. ASLAN.

General distribution: Caucasus, Turkey.

A. *impressicollis* (REICHE, 1862)

Graptodera impressicollis REICHE, Ann. Soc. Ent. Fr., 4, 2: 298; *Haltica lacunosa*: WEISE, 1900; *H.*

impressicollis: HEIKERTINGER, 1914, CSIKI and HEIKERTINGER, 1940; MOHR, 1975; TOMOV and GRUEV, 1975; *Altica impressicollis* GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (23, 24); Asian Turkey: Asia Minor (15, 25), Finike (Antalya), Engiz (Samsun) (4), Sapanca (İzmit), Kayseri (6).

Material examined: Artvin: Yusufeli, Altıparmak, 5.VII.1994; Sarıgöl, 5.VII.1994, leg. İ. ASLAN; Bilecik, 15.VI.1995, leg. E.YILDIRIM; Erzurum: Oltu, Çamlıbel, 7.IX.1995; Olur, 22.VII.1992, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Near East, Turkey.

A. *jarmilae* KRAL, 1979

A. jarmilae KRAL, Ent. Blatter, 75, 1–2: 98–101; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Bornova (İzmir); Bythyn Olimp, Eibes, Antitaurus, Namrun (16); Ayaş, Karagöl, Çubuk (Ankara) (6).

Material examined: Erzurum: İspir, Zeyrek, 18.VII.1995; Olur, Süngübayır, 20.VII.1996; Uzundere, 11.VII.1996, leg. İ. ASLAN.

General distribution: Bulgaria, Greece, Georgia, Asian Turkey, Israel.

A. *lythri* AUBÉ, 1843

A. lythri AUBÉ, Ann. Soc. Ent. Fr. (2), 1, p.8.

Material examined: Erzurum: İlica, Atlıkonak, 20.VII.1996; Oltu, Çamlıbel, 7.IX.1995; Olur, Süngübayır, 23.VII.1992; Üniversite, 21.VI.1994; Trabzon, 5. VIII.1993, leg. İ. ASLAN (det. A. Warchalowski).

General distribution: Europe.

NEW TO TURKEY.

A. *oleracea* (LINNAEUS, 1758)

Chrysomela oleracea LINNAEUS, Syst. Nat., ed. 10:372; *Graptodera oleracea*: ANONYMOUS, 1907; *Haltica oleracea*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; *Altica oleracea*: GRUEV and KASAP, 1985.

Distribution in Turkey: Turkey (26); Asian Turkey: Asia Minor (13), Ereğli (Konya) (19), Bağlum Köyü, Beytepe, Ayaş, Kızılcahamam (Ankara), Ürgüp (Nevşehir), Gömaç İstasyonu, Bünyan (Kayseri), Burdur, Yıldızeli, Paşabahçe (Sivas), Konya, Ermenek, Kızılören (Konya) (6).

Material examined: Bayburt: Demirözü, 23.VI.1992, leg. İ. ASLAN; Erzurum: Aşkale, 1500 m, 9.VIII.1994; Çat, 1600 m, 11.VIII.1994; Bozyazı, 1500 m, 11.VIII.1994; Taşağıl, 2100 m, 11.VIII.1994; Dereboğazı, 2000 m, 11.VIII.1994; Dumlu, 2000 m, 21.VII.1994; Hamamderesi, 1800 m, 10.VIII.1994; Horasan, Yukarı Horon, 2200 m, 10.VIII.1994; İspir, Akdağ, 2100 m, 8.VII.1994; Alacabük, 1700 m, 8.VII.1994; Madenköprübaşı, 1400 m, 18.VI.1994; 7.VII.1996; Ilica, Atlıkonak, 1750 m, 12.VII.1995; 20.VII.1996; 11.IX.1996; Eğerti, 1800 m, 8.VIII.1994; Kandilli, 1600 m, 22.VIII.1996; Köşk Köyü, 20.VI.1996; Oltu, Çamlıbel, 1750 m, 7.IX.1995; 14.VII.1996; Olur, Karakoçlar, 2100 m, 22.VIII.1992; Oğuzkent, 2100 m, 23.VII.1992; 22.VIII.1993; Süngübayır, 1850 m, 20.VII.1993; 23.VII.1992; 26.VII.1995; Şenkaya, Turnalı, 1750 m, 25.VII.1996; 28.VII.1993; 6.IX.1992; 16.IX.1996; Palandöken, 2300 m, 9.VII.1996; 19.VIII.1993; Pasinler, 1600 m, 13.VI.1996; 6.VIII.1994; 8.VIII.1995; Büyükdere, 1900 m, 11.VII.1996; 10.VIII.1994; Rabat, 2200 m, 13.VII.1996; 15.VIII.1995; Pazaryolu, 1200 m, 2.VIII.1994; 26.VIII.1994; Tortum, 1600 m, 17.VII.1993; Karlı, 2200 m, 16.VIII.1995; Tortumkale, 1500 m, 4.VII.1993; Uzundere, 1100 m, 12.VIII.1993; Dikyar, 1450 m, 17.VI.1995; 10.VII.1994; 11.VIII.1994; 8.IX.1996; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN; 8.VII.1983; 31.VII.1979; 30.VIII.1979, leg. H. ÖZİŞİK; Kars: Derinöz, Digor, 21.VI.1995, leg. H. ÖZBEK; Kars, 3.VIII.1992, leg. D. BUKNİ; Rize: Fındıklı, 23.VIII.1992, leg. İ. AYDIN.

General distribution: Europe, Caucasus, Turkey, Near East, Kazakhstan, Central Asia, Far East, Korea, Japan.

A. palustris (WEISE, 1888)

Haltica palustris WEISE, Naturgesch. Ins. Deutschl., Col. 6: 829, 832, 844; CSIKI and HEIKERTINGER, 1940; *Altica palustris*: KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Beyşehir Lake (20), Kayseri (6).

Material examined: Bayburt: Kopdağı, 10.VII.1992, leg. H. BOSTAN; Erzurum: Aşkale, Kopdağı, 2200 m, 10.VII.1992; 17.VIII.1996, leg. İ. ASLAN; Yalova, 10.VIII.1992, leg. S. AYDEN.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Kazakhstan, Central Asia, North Africa.

A. pontica (OGLOBLIN, 1925)

Haltica ampelophaga pontica OGLOBLIN, Rev. Russe d'Ent., 19: 94; *H. ampelophaga* var. *pontica*:

HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; *Altica pontica*: KRAL, 1979.

Distribution in Turkey: Asian Turkey: Trabzon, Allahuekber Mts. (locus typicus) (16, 27), Asia Minor (13, 15).

General distribution: Asian Turkey.

A. quercetorum FOUDRAS, 1860

A. quercetorum FOUDRAS, Ann. Soc. Linn. Lyon (n.s.), 7: 34–37; *Haltica quercetorum*: APFELBECK, 1901, 1916; CSIKI and HEIKERTINGER, 1940; TOMOV and GRUEV, 1975; *Graptodera quercetorum*: ANONYMOUS, 1907.

Distribution in Turkey: Turkey (26); European Turkey: Belgrat Ormanları (4), Asian Turkey: Üsküdar (Istanbul) (17, 28).

General distribution: Central and Southern Europe, Caucasus, Turkey.

A. tamaricis SCHRANK, 1785

A. tamaricis SCHRANK, in: Fuessly, Neues Ent. Mag., 2: 318; KRAL, 1967; *Haltica tamaricis*: APFELBECK, 1916; CSIKI and HEIKERTINGER, 1940; TOMOV and GRUEV, 1975.

Distribution in Turkey: European Turkey: İstanbul (13, 17), Edirne (20); Asian Turkey: Trabzon, Ordu, Rize, Çayeli (Rize) (4).

Material examined: Adana, 5.VI.1971, leg. P. LAYS; Erzurum: Oltu, Çamlıbel, 1750 m, 7.IX.1995, leg. İ. ASLAN.

General distribution: Europe, Asia (excl. China and Japan).

Genus: *Anthobiodes* WEISE, 1887

A. turcicus (MEDVEDEV, 1975)

Wittmeriana turcica MEDVEDEV, Miteil. Ent. Ges. Basel, 1: 15–16; DÖBERL, 1994; *Anthobiodes turcicus*: KONSTANTINOV and VANDENBERG, 1996; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Antalya (locus typicus) (3, 29–31).

General distribution: Turkey (Antalya), Rhodos.

Genus: *Aphthona* CHEVROLAT, 1837

A. abdominalis (DUFTSCHMID, 1825)

Haltica abdominalis DUFTSCHMID, Fn. Austr., 3: 262; *Aphthona abdominalis*: CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Asia Minor (13).

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Kazakhstan,

A. atrovirens (FÖRSTER, 1849)

Haltica atrovirens FÖRSTER, Verh. Preuss. Rheinl., 6, 1 Nachtr., p. 37; ANONYMOUS, 1907.

Distribution in Turkey: Asian Turkey: Asia Minor (26).

General distribution: Europe, Caucasus, Asian Turkey.

A. bonvouloiri ALLARD, 1860

A. bonvouloiri ALLARD, Ann. Soc. Ent. Fr., 4, 1:333; HEIKERTINGER, 1944; KRAL, 1967; TOMOV and GRUEV, 1975; *A. tauricola*: PIC, 1910; *A. bonvouloiri* var. *tauricola*: HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; *A. bonvouloiri* fa. *picipes*: HEIKERTINGER, 1944.

Distribution in Turkey: European Turkey: İstanbul (32), Asian Turkey: Mt. Tauros (33), Asia Minor (13, 15), Mersin, Ereğli (Konya), İstanbul, Eskişehir Çiftlik, Bilecik (32), Suluhan (Mt. Tauros, Adana) (20), Gülek Boğazi (Adana) (4).

Material examined: Erzurum: Ilica, Atlıkonak, 1750 m, 12.VII.1995, leg. Ö. ÇAMLASUR; Olur, Süngübayır, 1850 m, 24.VI.1996; Pasinler, 1600 m, 11.VIII.1992; Büyükdere, 1900 m, 10.VIII.1994, leg. İ. ASLAN.

General distribution: Eastern Mediterranean, Bulgaria, Turkey, Iran, Egypt,

A. crassicornis LOPATIN, 1990

A. crassicornis LOPATIN, Rev. d'Ent, l'URSS, 69, 3:601.

Distribution in Turkey: Asian Turkey: Van (Gevaş, locus typicus) (34).

General distribution: Asian Turkey.

A. euphorbiae (SCHRANK, 1781)

Chrysomela euphorbiae SCHRANK, Enum. Ins. Austrl., p.83; *Aphthona euphorbiae*: BODEMEYER, 1900; SAHLBERG, 1913; TÖLG, 1938; HEIKERTINGER, 1944; KRAL, 1967; DOGUET, 1976; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey (32), "Belemedik" (Cakit Cai Valley) (19), Gülek Boğazi, Sarayköy (Adana) (35, 36), Mogan Lake (Ankara) (20), Çorum, Amasya (37), Gömaç İstasyonu (Kayseri) (6).

Material examined: Erzurum: Merkez, 6.VI.1982, leg. H. ÖZİŞİK; Olur, Güngöründü, 1950 m,

21.VIII.1992; Süngübayır, 1850 m, 24.VII.1996; Palandöken, 2300 m, 7.VIII.1993; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 6.VI.1992; 9.VIII.1993, leg. İ. ASLAN; İstanbul: Beykoz, 1.IX.1909 (ex coll. British Museum).

General distribution: Europe, Caucasus, Turkey, Mediterranean, Kazakhstan, Western and Central Siberia.

A. flava GUILLEBEAU, 1894

A. flava GUILLEBEAU, Bull. Soc. Ent. Fr., 63: 193; HEIKERTINGER, 1944.

Distribution in Turkey: European Turkey (32).

Material examined: Erzurum: Ilica, Atlıkonak, 12.VII.1995; Üniversite, 2.VII.1993, leg. İ. ASLAN.

General distribution: Eastern and Southeastern Europe.

A. flaviceps ALLARD, 1859

A. flaviceps ALLARD, Bull. Soc. Ent. Fr., p. 100; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1944; KRAL, 1967; MEDVEDEV, 1970; GRUEV, 1992.

Distribution in Turkey: European Turkey: Ortaköy (İstanbul) (38); Asian Turkey: Asia Minor (13, 15), Çamlıdere, Işık Dağı, Mogan Lake, Hasanoğlan (Ankara), Adana, Karataş, Misis, Abacılar (Adana), Bürücek (Mt. Tauros), Mersin (20), Kozan (Adana) (2).

Material examined: Antalya: Side, 1.VI.1992, leg. G. GILLERFORS; Ankara: 9.VI.1925, leg. BIRO (ex coll. Budapest Museum); Erzurum: Oltu, Güryaprak, 2100 m, 30.VIII.1996, leg. İ. ASLAN.

General distribution: Southern and Southeastern Europe, Caucasus, Turkey, Near East, Kazakhstan, Central Asia, Northwest Africa.

A. franzi HEIKERTINGER, 1944

A. franzi HEIKERTINGER, Kol. Rundschau, 30, 1–3: 138–139; KRAL, 1967; GRUEV and KASAP, 1985; ÖZBEK et al., 1996.

Distribution in Turkey: Asian Turkey: Amasya (32), Ankara–Baraj, Mogan Lake (Ankara) (20), Gömaç İstasyonu (Kayseri) (6), İspir, Pazaryolu (Erzurum), Erzincan, Kemaliye (Erzincan), Kağızman (Kars) (10).

Material examined: Artvin: Yusufeli, 550 m, 4.VII, 1994, leg. İ. ASLAN; Erzurum: Aşkale, 1500 m, 17.VII.1980; Pınakapan, 1900 m, 13.VIII.1997; İspir, Madenköprübaşı, 1450 m, 7.VII.1996; leg. İ. ASLAN Ilica, Söğütlü, 1800 m, 12.VIII.1983, leg. H. ÖZİŞİK; Üniversite, 1850 m, 9.VI.1994, leg. İ. ASLAN.

General distribution: Southeastern and Eastern Europe, Caucasus, Turkey, Syria, Israel.

A. fuentei REITTER, 1901

A. fuentei REITTER, Wien. Ent. Zeit., 20: 102; HEIKERTINGER, 1912–1914a (1912); KRAL, 1967.

Distribution in Turkey: Asian Turkey: Mt. Tauros (20, 39), Asia Minor (13, 15), Adana, Karataş, Abacılar, Kozan, Gülek Boğazı (Adana) (20).

General distribution: Southern Europe, Turkey, Israel, Iran, Africa southward to Zaire.

A. gracilis FALDERMANN, 1837

A. gracilis FALDERMANN, Nouv. Mém. Moscou, 1836, 5 (Fn. Transcaucasus. II, 1837): 344, 537; HEIKERTINGER, 1930; LEONARDI, 1976; GRUEV and KASAP, 1985.

Distribution in Turkey: Turkey (40); Asian Turkey: Asia Minor (15), Gömaç İstasyonu (6).

Material examined: Bayburt: Kopdağı, 2300 m, 13.VIII.1997 leg. İ. ARSLAN; Erzurum: Merkez, Çiftlik, 4.VIII.1983, leg. H. ÖZİŞİK, Söğütlü, 12.VIII.1983, leg. Ö. ALAOĞLU; Oltu, Guryaprak, 2000 m, 30.VIII.1996; Palandöken, 2300 m, 6.VIII.1996; 10.VIII.1993; Şenkaya, Turnalı, 1750 m, 25.VII.1996; Üniversite, 1850 m, 14.VII.1993, leg. İ. ASLAN; Ilica, Kandilli, 1700 m, 22.VIII.1996; Oltu, Çamlıbel, 1750 m; Pasinler, Büyükdere, 2000 m, 11.VII.1996; Şenkaya, Turnalı, 25.VII.1996, Üniversite, 5.VIII.1996, leg. İ. ASLAN.

General Distribution: Southeastern Europe, Caucasus, Turkey, Near East, Kazakhstan, Central Asia.

A. kuntzei ROUBAL, 1931

A. kuntzei ROUBAL, Col. Centralbl., 5: 116; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Ankara (31).

Material examined: Erzurum: Şenkaya, Akşar, 20.VIII.1997; Kars: Sarıkamış, Akkurt, 25.VIII.1997, leg. İ. ASLAN.

General distribution: Southeastern Europe, Eastern Mediterranean.

A. lutescens (GYLLENHAL, 1808)

Haltica lutescens GYLLENHAL, Ins. Suec., 3: 546; *Aphthona lutescens*: APFELBECK, 1916; HEIKERTINGER, 1930; TÖLG, 1938; CSIKI and HEIKEATINGER, 1940; KRAL, 1967; GRUEV and KASAP, 1985; *A. lutescens praeclara*: WEISE, 1906; *A. lutescens* var. *praeclara*: HEIKERTINGER, 1944.

Distribution in Turkey: European Turkey: İstanbul (17); Asian Turkey: Asia Minor (13, 15, 32, 41), Eskişehir Çiftlik (19), Beyşehir Lake (Konya) (20), Antalya (6).

Material examined: Erzurum: Ilica, Kandilli, 1700 m, 22.VIII.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Western Siberia, Mongolia, Yemen.

A. maculata ALLARD, 1876

A. maculata ALLARD, Abeilla, 14: 23; PIC, 1909; HEIKERTINGER, 1944; KRAL, 1967; *A. suturella*: WEISE, 1881–1893 (1888); *A. pallida maculata*: HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: İzmir (32, 33, 22), Asia Minor (13), Suluhan, Mt. Tauros, Mt. Gavur (Adana), Gaziantep, Kilis (20).

Material examined: Antalya: Side, 1.VI.1992, leg. G. GILLERFORS.

General distribution: Caucasus, Turkey, Near East, Kazakhstan, Central Asia.

A. nigriceps (W. REDTENBACHER, 1842)

Longitarsus nigriceps W. REDTENBACHER, Quaed. gen. et spec. Col. Austr., p. 27; *Aphthona nigriceps*: KRAL, 1967; SCHERER, 1972.

Distribution in Turkey: European Turkey: Edirne (20); Asian Turkey: Gerede (Ankara) (42).

Material examined: Erzurum: Oltu, Çamlıbel, 7.IX.1995, Leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, North Africa,

A. nigriscutis FOUDRAS, 1860

A. nigriscutis FOUDRAS, Ann. Soc. Linn. Lyon (n.s.), 7: 100–101; KRAL, 1967; TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Beynam (Ankara) (20), Gülşehir (Nevşehir), Kalecik, Beytepe, Kavaklıdere (Ankara) (4), Mogan Lake (Ankara) (6).

Material examined: Gümüşhane: Kelkit, 9.VII.1995; Köse, 10.VII.1995; Torul, 6.VII.1995, leg. İ. ASLAN; Erzurum: Abdurrahman Gazi, 2200 m, 14.VII.1992; İspir, 1600 m, Madenköprübaşı, 1400 m, 18.VI.1994; Ilica, Atlıkonak, 1750 m, 12.VII.1995; Palandöken, 2300 m, 9.VII.1996; 13.VII.1993; 18.VII.1989; 13.VIII.1995; 19.VIII.1993; Pasinler, 1600 m, 10.VII.1991; 4.VIII.1993; 11.VIII.1992; 27.VIII.1996; Tortum, 1550 m, 12.VIII.1993; Üniversite, 1850 m, 21.VI.1994; 21.VI.1995; 27.VI.1992; 1.VII.1992; 2.VII.1993; 9.VII.1992; 10.VII.1992; 1.VIII.1992; 2.VIII.1993; 5.VIII.1993; 9.VIII.1993; 10.VIII.1992, leg. İ. ASLAN;

Kars: Derinöz, Digor, 21.VI.1995, leg. H. ÖZBEK; İçel: Erdemli, Aydınlar, 10.VI.1992, leg. G. GILLERFORS.

General distribution: Central, Eastern and Southeastern Europe, Caucasus, Turkey, Iran, Kazakhstan.

A. nonstriata (GOEZE, 1777)

Chrysomela nonstriata GOEZE, Ent. Beytrage, 1: 312; *Aphthona coerulea*: APFELBECK, 1901, 1916; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1944; KRAL, 1967; TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: Istanbul, Yeşilköy (Kırklareli) (17, 28); Asian Turkey: Asia Minor (13, 32), Beyşehir Lake (Konya) (20), Engiz, Çarşamba (Samsun) (4), Seydişehir (Konya) (6).

General distribution: Europe, Caucasus, Turkey, Iran, Kazakhstan.

A. ovata FOUDRAS, 1860

A. ovata FOUDRAS, Ann. Soc. Linn. Lyon (n.s.), 7: 101, 116; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1944.

Distribution in Turkey: European and Asian Turkey: Istanbul Boğaziçi (13, 32).

General distribution: Europe, Caucasus, Turkey.

A. pygmaea KUTSCHERA, 1861

A. pygmaea KUTSCHERA, Wien. Ent. Monatschr., 5: 246; SAHLBERG, 1913; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; GRUEV and KASAP, 1985; *A. orientalis*: MULSANT et REY, 1874; *A. pygmaea* var. *orientalis*: HEIKERTINGER, 1944; *A. pygmaea orientalis*: KRAL, 1967.

Distribution in Turkey: Asian Turkey: İzmir, Tarsus (Mersin) (36), Asia Minor (13), Suluhan (Mt. Tauros, Adana) (20), Adapazarı (2), Alanya (Antalya) (6).

Material examined: Antalya: Termesos, 1.VI.1989; 1.VI.1992, leg. G. GILLERFORS; Erzincan, Kemaliye, Sıralıkonak, 21.VI.1982; Kemaliye; 22.VI.1982, leg. H. ÖZBEK; Erzurum: Çat, 1700 m, 11.VIII.1994; Taşağıl, 2100 m, 11.VIII.1994; Ilica, Atlıkonak, 1700 m, 17.VII.1995; İspir, Madenköprübaşı, 1400 m, 7.VII.1996; Oltu, Çamlıbel, 1750 m, 14.VII.1996; Olur, Süngübayır, 1850 m, 24.VII.1996; 1.IX.1994; Pasinler, 1600 m, 1.IX.1993; Tortum, Güzelyayla, 2200 m, 29.VIII.1992; Yumaklı, 14.VIII.1997; Uzundere, Dikyar, 1450 m, 30.VI.1996; 4.IX.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Eastern Mediterranean, Yemen, Egypt, Libya.

A. rugipennis OGLOBLIN, 1926

A. rugipennis OGLOBLIN, Ann. Mus. Zool. Acad. Sci. URSS, p. 290–292.

Material examined: Erzurum: Oltu, 7.VI.1989, Leg. E. YILDIRIM. aedeagus examined.

General distribution: South Russia (Krasnodar Distr.) NEW TO TURKEY.

A. semicyanea ALLARD, 1859

A. semicyanea ALLARD, Bull. Soc. Ent. Fr., p. 101; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1944; KRAL, 1967; MEDVEDEV, 1970; TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985; *A. semicyanea* var. *phrygia*: WEISE, 1901; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 32, 43), Ankara Barajı (20), between Samsun and Kavak (2), Karacabey (Bursa) (4), Bağlum Köyü, Gıcık Köyü (Ankara), Yazlıkaya (Çorum), Çamlık, Yerköy (Yozgat), Ürgüp (Nevşehir), Eldivan (Çankırı) (6).

Material examined: Erzurum: Aşkale, Tepeköy, 8.VI.1997 leg. İ. ARSLAN; Şenkaya, Turnalı, 1750 m, 2.VII.1996; 25.VII.1996, leg. E. YILDIRIM; Tortum, Yumaklı, 14.VIII.1997; Uzundere, Dikyar, 1450 m, 29.IV.1996; 9.VI.1996; 30.VI.1996; 31.VII.1993; 31.VII.1995; 4.IX.1994, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Eastern Mediterranean, Kazakhstan, Central Asia.

A. syriaca HEIKERTINGER, 1944

A. syriaca HEIKERTINGER, Kol. Rundschau, 30: 178–179.

Distribution in Turkey: Asian Turkey: İzmir (32).

Material examined: Erzurum: Oltu, Çamlıbel, 1750 m, 14.VII.1996, leg. İ. ASLAN; Kars: Kağızman, 23, VIII.1991, leg. H. ÖZBEK.

General distribution: Syria, Turkey, Israel, Iraq.

A. valachica HEIKERTINGER, 1944

A. valachica HEIKERTINGER, Kol. Rundschau, 30: 158–159; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Demirtaş (Antalya) (31),

General distribution: Romania, Turkey.

A. venustula KUTSCHERA, 1861

A. venustula KUTSCHERA, Wien. Ent. Monabchr. 5: 244; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1944.

Distribution in Turkey: Asian Turkey: Eskişehir Çiftlik (19), Asia Minor (13, 32).

Material examined: Erzurum: Duççu, 1900 m, 28.VII.1993; İspir, 1600 m, 24.VII.1994; Ilıca, Kandilli, 1650 m, 22.VIII.1996; Köprüköy, Yağan, 1500 m, 10.VIII.1994; Olur, Süngübayır, 1850 m; 20.VII.1994; Pasinler, 1600 m, 11.VIII.1992; Tortum, Karlı, 2100 m, 16.VIII.1995; Uzundere, Dikyar, 1450 m, 24.V.1994; Üniversite, 1850 m, 5.VIII.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey.

Genus: *Batophila* FOU DRAS, 1860

B. fallax WEISE, 1888

B. aerata var. *fallax* WEISE, Naturgesch. Ins. Deutschl., Col. 6: 854; *Glyptina (Batophila) aerata*: APFELBECK, 1916; *Batophila falax*: HEIKERTINGER, 1921, 1930, 1948–1950 (1948); TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970.

Distribution in Turkey: European Turkey (44); Asian Turkey: Eskişehir Çiftlik, İstanbul Boğazı (19, 45), Asia Minor (13, 15, 44), Elmalık (Bolu), Fındıklı (Rize), Görele (Giresun), Bafra, Mataracı (Samsun), between Samsun and Kavak, between Hopa and Arhavi; Tekkiraz (Ordu) (2).

Material examined: Artvin, Karagöl, Borçka, 15.VI.1995, leg. İ. ASLAN; Erzurum: Uzundere, Dikyar, 1450 m, 25.VI.1994, leg. İ. ASLAN.

General distribution: Eastern Europe, Caucasus, Turkey, Iran.

B. olexai KRAL, 1964

B. olexai KRAL, Ent. Blatter, 60, 1: 37–39; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Tirebolu (Giresun) (31).

General distribution: Bulgaria, Greece, Georgia, Turkey.

Genus: *Chaetocnema* STEPHENS, 1831

Ch. arenacea (ALLARD, 1860)

Plectroscelis arenacea ALLARD, Ann. Soc. Ent. Fr., 3, 8: 556, 569; *Chaetocnema arenacea*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: Edirne (20); Asian Turkey: Beledik (36), Cakit Çayı (Karapınar) (19), Asia Minor (13, 46), Beynam (Ankara), Ulukışla, Bürücek (Mt. Tauros) (20), Ürgüp (Nevşehir), Yerköy (Yozgat), Paşabahçe, Hafik, Yıldızeli, Syefik Köyü (Sivas) (6).

Material examined: Gümüşhane, 7.VII.1995, leg. İ. ASLAN; Erzurum: Aşkale, 1500, 9.VII.1980, leg. H. ÖZİŞİK; Ilıca, Altıkonk, 1750 m, 11.IX.1996; Kandilli, 1700 m, 22.VIII.1996; İspir, Madenköprübaşı, 1500 m, 7.VII.1996; Narman, 1500 m, 11.IX.1990; Beşevler, 1550 m, 12.VI.1996; Oltu, 1350 m, 7.VI.1989; Anzavderesi, 950 m, 31.VIII.1996; Olur, Süngübayır, 1850 m, 13.V.1995; 24.VII.1996; Pasinler, 1600 m, 4.VI.1989; 11.VIII.1992; Büyükdere, 1900 m, 11.VII.1996; Tortum, Karlı, 2200 m, 16.VIII.1995; Üniversite, 1850 m, 7.VII.1990, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Northwest Africa.

Ch. aridula (GYLLENHAL, 1827)

Haltica aridula GYLLENHAL, Ins. Suec. 4: 663; *Chaetocnema aridula*: APFELBECK, 1901, 1916; ANONYMOUS, 1907; KRAL, 1967; HEIKERTINGER, 1951; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (17, 26, 28), Yeşilköy (Kırklareli) (17, 28), Edirne (20); Asian Turkey: Asia Minor (46), Beynam, Çamlıdere (Mt. Işık) (Ankara) (20), Bağlum Köyü, Söğütözü, Temelli, Laragöl, Kızılcahamam (Ankara), Kulu (Manisa), Boğazlıyan (Yozgat), Paşabahçe, Gemerek (Sivas) (6).

Material examined: Erzurum: Aşkale, 1500 m, 15.VI.1995; Oltu, 7.VI.1993; Olur, Olgun, 1800 m, 24.VIII.1992; Süngübayır, 1850 m, 20.VI.1994; 24.VII.1996; 15.VIII.1995; Pasinler, 1600 m, 6.VIII.1994; 17.VIII.1990; Uzundere, Dikyar, 1450 m, 17.VI.1995, leg. İ. ASLAN; Oltu, 6.VII.1989, leg. H. ÖZBEK.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Central Asia, Siberia, Algeria.

Ch. breviscula (FALDERMANN, 1884)

Haltica breviscula FALDERMANN, Nouv. Mém. Moscou, 5: 349; *Chaetocnema tibialis breviscula*: HEIKERTINGER, 1930, 1951; CSIKI and HEIKERTINGER, 1940; NİZAMLIOĞLU, 1964; KRAL, 1967; ONAT, 1973; *C. breviscula*: GRUEV and DÖBERL, 1997.

Distribution in Turkey: European Turkey: İstanbul (46); Asian Turkey: Asia Minor (13, 15), Eskişehir (46), İç Anadolu (47, 48); Adana, Karataş (Adana) (20), Erzurum, Sivas (6).

Material examined: Erzurum: Hamamderesi, 1800 m, 10.VIII.1994; Ilıca, Atlıkonak, 1700 m, 11.IX.1996; Kandilli, 1600 m, 22.VIII.1996; Köprüköy, Yağan, 1500 m, 10.VIII.1994; Oltu, 1350 m, 11.VII.1989;

Anzavderesi, 950 m, 5.VII.1995; Şenkaya, 1500 m, 31.VII.1988; Pasinler, 1600 m, 27.VIII.1996; Üniversite, 1850 m, 17.V.1990; 2.VII.1993; 5.VII.1996; 2.VIII.1993; 5.VIII.1996; 2.IX.1988; leg. İ. ASLAN; Sivas, 25.VII.1993, leg. İ. ASLAN.

General distribution: Eastern Europe, Caucasus, Near East, Kazakhstan, Central Asia, Siberia, Korea.

Ch. chlorophana (DUFTSCHMID, 1825)

Haltica chlorophana DUFTSCHMID, Fn. Austr., 3: 286; *Chaetocnema chlorophana*: APFELBECK, 1901, 1916; ANONYMOUS, 1907; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; MEDVEDEV, 1970; TOMOV and GRUEV, 1975.

Distribution in Turkey: European Turkey: İstanbul (26), Yeşilköy (Kırklareli) (17, 28), Yakacık (İstanbul) (4); Asian Turkey: Asia Minor (13, 46), Misis (Adana) (2).

Material examined: Erzurum: İspir, Madenköprübaşı, 1500 m, 18.VI.1994; 7.VII.1996, leg. İ. ASLAN; Konya: Bozkır, 30.IX.1995, leg. İ. ASLAN; Tekirdağ: Çerkezköy, 10.VI.1995, leg. R. HAYAT.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iraq, Israel, Syria, North Africa.

Ch. concinna (MARSHAM, 1802)

Chrysolina concinna MARSHAM, Ent. Brit., 1: 196; *Chaetocnema concinna*: BODEMEYER, 1900; İYRİBOZ, 1934; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GEDİZ, 1940; HEIKERTINGER, 1951; NİZAMLIOĞLU, 1964; KRAL, 1967; MEDVEDEV, 1970; TOKMAKOĞLU, 1974; GRUEV and KASAP, 1985.

Distribution in Turkey: Turkey (49); Asia Turkey: Sapanca (Izmit) (35), Samsun ve civari (47, 50, 51), Eskişehir, Çiftlik (19), Asia Minor (13, 32, 46), Çamlidere, Mogan Lake (Ankara) (20), between Turhal and Ezinepazarı (Amasya), Çarşamba (Samsun) (2), Atatürk Orman Çiftliği, Ayaş (Ankara), Hamidiye (Eskişehir) (6).

Material examined: Bayburt: Kopdağı, 2300 m, 10.VII.1992; 13.VIII.1997, leg. İ. ASLAN; Erzurum: Merkez, Abdurrahman Gazi, 2100 m, 14.VII.1992; Dereboğazi, 2100 m, 11.VII.1994; Ilica, Atlıkonak, 1750 m, 11.IX.1996; Kandilli, 1600 m, 22.VIII.1996; Köşküyü, 2000 m, 1.VI.1995; Olur, Süngübayır, 1850 m, 20.VI.1994; 24.VII.1996; Söğütlü, 1800 m, 12.VIII.1993; Şenkaya, Turnalı, 1750 m, 25.VII.1996; Üniversite, 1850 m, 17.V.1992; 6.VI.1992; 27.VI.1992, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Near East, Kazakhstan, Central Asia, Siberia, Mongolia, Korea, Taiwan, Morocco.

Ch. conducta (MOTSCHULSKI, 1838)

Haltica conducta MOTSCHULSKI, Bull. Mosc., 2: 180; *Chaetocnema conducta*: APFELBECK, 1901, 1916; PIC, 1907; SAHLBERG, 1913; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (17, 28), Edirne (20); Asian Turkey: İzmir (52), Asia Minor (13, 36, 46), Eskişehir (19), Beynam, Mogan Lake (Ankara), Kozan, Yeniköy (Adana) (20), Sivas (6).

Material examined: Erzurum: Ilica, Atlıkonak, 1750 m, 11.IX.1996; Kandilli, 1600 m, 22.VIII.1996; Olur, Süngübayır, 1850 m, 22.VII.1996, leg. İ. ASLAN.

General Distribution: Central and Southern Europe, Caucasus, Turkey, Near East, Kazakhstan, Central Asia, Africa southward to Zaire.

Ch. confusa (BOHEMAN, 1851)

Plectroscelis confusa BOHEMAN, Öfvers. Vet. Akad. Förh., 15: 234; *Chaetocnema confusa*: KRAL, 1967.

Distribution in Turkey: Asian Turkey: Beynam, Mogan Lake (Ankara), Ulukışla (Niğde), Kızılören, Mt. Erciyes (Kayseri) (20).

Material examined: Bayburt: Kopdağı, 2300 m, 10.VIII.1991, leg. İ. ASLAN; Erzurum: Ilica, Atlıkonak, 11.IX.1996; Olur, Süngübayır, 1850 m, 24.VII.1996; Pasinler, 8.VIII.1992; Palandöken, 6.VIII.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey.

Ch. coyei (ALLARD, 1863)

Plectroscelis coyei ALLARD, Ann. Soc. Ent. Fr., 4, 3: 659; *Chaetocnema coyei*: WEISE, 1881–1893 (1886), 1897; SAHLBERG, 1913; APFELBECK, 1916; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; MEDVEDEV, 1970; TOMOV and GRUEV, 1975; DOGUET, 1976; GRUEV and KASAP, 1985; *Ch. coyei* var. *metallica*: WEISE, 1897; *Ch. delagrangi*: PIC, 1909 a.

Distribution in Turkey: Turkey (22); European Turkey: Yeşilköy (Kırklareli) (17, 28); Asian Turkey: Asia Minor (11, 13, 15, 36, 22), Akbaş (53), Eskişehir Çiftlik, Pursak Çayı, Akdağ (Eskişehir) (19), Beyşehir Lake

(Konya), Beynam, Mogan Lake (Ankara), Bürücek (Mt. Tauros), Yeniköy (Adana) (20), Gölbaşı (Adıyaman), Southeastern Turkey (2), Engiz (Samsun) (4), Soğuksu (37), Ankara, Beytepe, Ayaş, Söğütözü, Karagöl, Konya yolu, Beynam (Ankara), Hara, Kızılören, Çumra (Konya), Selimağa, Kaman (Kırşehir), Gezi (Kayseri), Boğazlıyan (Yozgat), Sivas, Küllük Köyü, Gemerek (Sivas) (6).

Material examined: Erzurum: Ilıca, Atlıkonak, 1750 m, 7.VII.1997; Ispir, Madenköprübaşı, 1400 m, 18.VI.1994; 7.VII.1996, leg. İ. ASLAN.

General distribution: Southeastern Europe, Caucasus, Turkey, Eastern Mediterranean, Iraq, Iran.

Ch. hortensis (GEOFFROY, 1785)

Altica hortensis GEOFFROY, Fourcr. Ent. Paris, 1: 98; *Chaetocnema hortensis*: WEISE, 1897; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (11, 13, 46), İzmir (35), Çamlıdere, Mt. Işık, Hasanoğlan, Beynam, Mogan Lake (Ankara), Kozan, Karataş, Mt. Gavur (Adana), Alata (Konya) (20), Kızılcahamam (Ankara), Akşehir, Bozkır (Konya), Bünyan (Kayseri), Paşabahçe, Seyfik, Çamlıbel (Sivas) (6).

Material examined: Bayburt: Kopdağı, 13.VIII.1997; Erzurum: Aşkale, 1500 m, 15.VI.1995; 26.VII.1989; Ilıca Kandilli, 1600 m, 25.VI.1991; Ispir, 8.VIII.1994; Alacabük, 1900 m, 15.VI.1995; Köşkköyü, 2000 m, 20.VI.1996; Oltu, Anzavderesi, 950 m, 31.VIII.1996; Çamlıbel, 1750 m, 7.IX.1995; Uzunoluk, 1450 m, 30.VIII.1996; Olur, Güngöründü, 1950 m, 21.VIII.1994; Süngübayır, 1850 m, 13.V.1995; 20.VII.1994; 24.VII.1996; Pasinler, 4.VI.1992; 11.VII.1996; 13.VII.1993; 6.VIII.1994; Büyükdere, 1900 m, 11.VII.1996; Rabat, 2300 m, 11.VII.1996; Ilıca, Söğütlü, 1800 m, 12.VIII.1993; Tortum, Karlı 2200 m, 16.VIII.1995, leg. İ. ASLAN; Üniversite, 1850 m, 6.VI.1982; 9.VI.1981; 25.VI.1982, leg. H. ÖZİŞİK; 7.VII.1996; 9.VII.1992; 18.VII.1992, leg. İ. ASLAN.

General distribution: Europe, Asia east with the Russian Far East, Africa southward to Sudan, Azores.

Ch. laevicollis (THOMSON, 1866)

Plectroscelis laevicollis THOMSON, Skand. Col., 8: 229.

Material examined: Zonguldak: Karabük, 30.VII.1994, leg. İ. ASLAN, Aedeagus examined.

General distribution: Europe, Caucasus, Iran, Kazakhstan, Central Asia, Siberia, Mongolia, Northeastern China, Korea.

NEW TO TURKEY.

Ch. major (JAQUELIN DUVAL, 1852)

Plectroscelis major JAQUELIN DUVAL, Ann. Soc. Ent. Fr., 2, 10: 717; *Chaetocnema major*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; MEDVEDEV, 1970; *Ch. major* var. *perrisi*: CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Turkey (13); European Turkey: Edirne (20); Asian Turkey: Eskişehir (13, 19), Mogan Lake (Ankara) (20), Misis (Adana) (2).

Material examined: Erzurum: Oltu, Anzavderesi, 950 m, 5.VII.1995, leg. İ. ASLAN; Iğdır, 18.VI.1981, leg. H. ÖZİŞİK.

General distribution: Eastern and Southern Europe, Caucasus, Turkey, Near East, Iran, Kazakhstan.

Ch. mannerheimi (GYLLENHAL, 1827)

Haltica mannerheimi GYLLENHAL, Ins. Suec., 6, App., p. 664; *Chaetocnema mannerheimi*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967.

Distribution in Turkey: European Turkey: Edirne (20); Asian Turkey: Pursak Çayı (Eskişehir) (19), Asia Minor (13, 46), Çamlıdere (Mt. Işık) (Ankara) (20).

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Central Asia, Siberia.

Ch. montenegrina HEIKERTINGER, 1912

Ch. hortensis montenegrina HEIKERTINGER, Verh. Zool.-bot. Ges. Wien, 62: 44; CSIKI and HEIKERTINGER, 1940; *Ch. hortensis* var. *montenegrina*: TÖLG, 1938; *Ch. montenegrina*: HEIKERTINGER, 1951; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15, 46), Cakit Çayı (Karapınar) (19), Çamlıdere, Mt. Işık, Mogan Lake (Ankara), Kızılören (Konya), (20), Belemelik (Adana), Bozkır, Mt. Haydar (Konya) (6).

Material examined: Antalya: Akseki, 1200 m, 12.VI.1994, leg. İ. RYDH; 1.VI.1992, leg. G. GILLERFORS; Bayburt: Kopdağı, 13.VIII.1997; Erzurum: Oltu, Çamlıbel, 2.VII.1997; Pasinler, 6.VII.1996; 6.VIII.1994; 8.VIII.1992, 1600 m; Büyükdere, 1900 m, 11.VII.1996; Rabat, 2300 m, 11.VII.1996; 15.VIII.1995; Tortum, Güzelyayla, 2100 m, 29.VIII.1992; Karlı, 16.VIII.1995; Yumaklı, 14.VIII.1997; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 27.VIII.1993, leg. İ. ASLAN.

General distribution: Southeastern Europe, Turkey, Iran, Afghanistan, Central Asia.

Ch. obesa (BOIELDIEU, 1859)

Plectroscelis obesa BOIELDIEU, Ann. Soc. Ent. Fr., 3, 6: 480; *Chaetocnema obesa*: WEISE, 1897; APFELBECK, 1916; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; GRUEV and KASAP, 1985; *Ch. meridionalis*: WEISE, 1897; APFELBECK 1901; TÖLG, 1938; *Ch. meridionalis* var. *unicolor*: WEISE, 1897; *Ch. obesa* var. *unicolor*: KERVILLE, 1939.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (17, 28), Edirne (20); Asian Turkey: Asia Minor, Anatolia (11, 13, 46), Eskişehir, Pursak Çayı (Eskişehir) (19), Ankara (54), Bağlum Köyü, Beytepe (Ankara), Kızılören (Konya), Bor (Niğde), Yazılıkaya (Çorum), Gemerek (Sivas) (6).

Material examined: Erzincan:Kemaliye, 21.VII.1982, leg. H. ÖZİŞİK; Erzurum: Ilıca, Kandilli, 1600 m, 26.V.1982, leg. H. ÖZİŞİK; Olur, Süngübayır, 1850 m, 24.VII.1996; Pasinler, Büyükdere, 1900 m, 11.VII.1996, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iraq, Kazakhstan, Southern Siberia, Mongolia, Tibet, Northwest Africa.

Ch. orientalis (BAUDUER, 1874)

Plectroscelis orientalis BAUDUER, Bul. Soc. Ent. Fr., p. 162; *Chaetocnema orientalis*: WEISE, 1881–1893 (1886); APFELBECK, 1901, 1916; PIC, 1907; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967.

Distribution in Turkey: European Turkey: İstanbul, Yeşilköy (Kırklareli) (17, 28), European Turkey (46); Asian Turkey: Mersin (46, 52, 22), Asia Minor (13), Mt. Tauros, Kozan, Mt. Gavur (Adana) (20).

Material examined: Adana, 23.VII.1998, leg. i. ASLAN.

General distribution: Southeastern Europe, Caucasus, Turkey, Eastern Mediterranean, Turkmenistan, Iran.

Ch. procerula (ROSENHAUER, 1856)

Plectroscelis procerula ROSENHAUER, Thiere Andalus., p. 344; *Chaetocnema procerula*: WEISE, 1897; APFELBECK, 1901, 1916; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (17, 28); Asian Turkey: Anatolia (11), Asia

Minor (13, 46), Mogan Lake (Ankara) (20), Temelli (Ankara), Konya yolu, Kırşehir, Aksaray, Gezi (Kayseri), Gemerek, Seyfik Köyü (Sivas), Boğazlıyan (Yozgat), Manyas Kuş Cenneti (Balıkesir) (6).

Material examined: Erzurum: Olur, Süngübayır, 1850 m, 24.VII.1996, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Turkey, Northwest Africa.

Ch. sahlbergii (GYLLENHAL, 1859)

Haltica sahlbergii GYLLENHAL, Ins. Suec., 4: 662; *Chaetocnema sahlbergii*: KRAL, 1967.

Distribution in Turkey: Asian Turkey: Çamlıdere, Mt. Işık (Ankara) (20).

Material examined: Erzurum: Pasinler, Büyükdere, 1900 m, 11.VII.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Mongolia, Siberia.

Ch. scheffleri (KUTSCHERA, 1864)

Plectroscelis scheffleri KUTSCHERA, Wien. Ent. Monatschr., 8: 310, 315; *Chaetocnema longula*: WEISE, 1890. *Ch. scheffleri*: WEISE, 1881–1893 (1886); HEIKERTINGER, 1911, 1951; APFELBECK, 1916; KERVILLE, 1939; CSIKI and HEIKERTINGER, 1940; KISMALI, 1973; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey (17, 22); Asian Turkey: Akşehir (Konya), Ankara (55), Asia Minor (13, 46, 54), İzmir (1), Lalahan (Ankara) (6).

Material examined: Erzurum: Dumlu, 1900 m, 28.VII.1994; Olur, Süngübayır, 1850 m, 24.VII.1996; 1.IX.1994; Pasinler, 6.VIII.1994; Rabat, 2300 m, 11.VI.1996; Şenkaya, Ormanlı, 1500 m, 20.V.1994; Turnalı, 1750 m, 25.V.1996, leg. İ. ASLAN; Üniversite, 1850 m, 9.IV.1979; 17.V.1980, leg. H. ÖZİŞİK; 17.V.1992; 19.V.1990; 21.VI.1994, leg. İ. ASLAN.

General distribution: Eastern and Southeastern Europe, Caucasus, Turkey, Iran, Iraq, Israel, Northwest Africa.

Ch. semicoerulea (KOCH, 1803)

Haltica semicoerulea KOCH, Ent. Hefte, 2: 40; *Chaetocnema semicoerulea*: CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Amasya (46), Kızılırmak (Çankırı) (6).

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Western and Central Siberia.

Ch. tibialis (ILLIGER, 1807)

Haltica tibialis ILLIGER, Mag. Ins., 6: 64; *Chaetocnema tibialis*: BODEMEYER, 1900; SAHLBERG, 1913; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GEDİZ, 1940; HEIKERTINGER, 1951; NİZAMLIOĞLU, 1964; MEDVEDEV, 1970; KISMALI, 1973; TOKMAKOĞLU, 1974; GRUEV and KASAP, 1985; YILDIRIM and ÖZBEK, 1992.

Distribution in Turkey: Turkey (49); Asian Turkey: Asia Minor (13, 35, 36, 46), Eskişehir Çiftlik, Bursa (19), İç Anadolu Bölgesi (47, 51), Bafra (Samsun) (2), Menemen, Çatalkaya, Narlıdere, Selçuk, Bornova, Karaburun (İzmir), Sapanca (İzmit) (1), Hamidiye (Eskişehir), Manyas Kuş Cenneti (Balıkesir), Atatürk Orman Çiftliği, Ayaş (Ankara), Hara (Konya), Aksaray (6), Erzurum, Kars (56).

Material examined: Erzincan: Yazıören, Tercan, 29.VI.1980, Kars, 2.VIII. 1989, Erzincan, 30.VI.1981, Kemah, 2. VIII.1980, leg. H. ÖZİŞİK; Erzurum: Hamamderesi, 1800 m, 10.VIII.1994; Horasan, 1500 m, 23.VI.1989; Ilica, 1800 m, 14.VI.1988; Atlıkonak, 1750 m, 11.IX.1996; İspir, Madenköprübaşı, 1400 m, 7.VII.1996; Köşkköyü, 2000 m, 20.VI.1996; Köprüköy, Yağan, 1600 m, 10.VIII.1994; Narman, 1450 m, 30.VI.1989; Oltu, 1350 m, 11.VII.1988; Olur, Süngübayır, 23.VI.1994; 25.VII.1996; 28.VIII.1997; Pasinler, 1600 m, 23.VI.1989; 6.VIII.1994; 27.VIII.1996; Büyükdere, 1900 m, 10.VIII.1994; Söğütlü, 1800 m, 12.VIII.1993, leg. İ. ASLAN; Şenkaya, 1600 m, 17.VI.1989; Ormanlı, 1600 m, 20.V.1994, leg. E. YILDIRIM; Üniversite, 1850 m, 7.VI.1982; 6.VI.1982, leg. H. ÖZBEK; 21.VI.1994; 21.VI.1995; 2.VIII.1993; 15.VIII.1993; 7.IX.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Near East, Iran, Afghanistan, Kazakhstan, Central Asia, Siberia, North Africa.

Ch. turhalus İYRİBOZ, 1934

Ch. turhalus İYRİBOZ, Şeker Pancarı Hastalıkları, Resimli Ay Matbaası, p.84.

Distribution in Turkey: Asian Turkey: Turhal (Tokat, locus typicus), Geyve (47, 50).

General distribution: Turkey.

Remarks: The taxonomic status of *Ch. turhalus* is not clear. It is necessary for the specimens to be revised because of the shortness of the original description. Furthermore, Heikertinger (46) does not mention the species in this monograph of *Chaetocnema*.

Genus: *Crepidodera* CHEVROLAT, 1837

C. aurata (MARSHAM, 1802)

Chrysomela aurata MARSHAM, Ent. Brit., 1: 195; *Chalcoides aurata*: WEISE, 1897; BODEMEYER, 1900; GANGLBAUER, 1905; TÖLG, 1938; KERVILLE, 1939; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1948–1950 (1950); KRAL, 1967; GÜL-ZÜMREOĞLU, 1972; TOMOV and GRUEV, 1975; DOGUET, 1976; GRUEV and KASAP, 1985; *Crepidodera aurata*: GRUEV, 1992; KONSTANTINOV, 1996.

Distribution in Turkey: European Turkey: Edirne (20); Asian Turkey: Anatolia (11), Asia Minor (13, 35, 54, 57), Karaköy, Bozhoyük (Bilecik), Sapanca (İzmit), Ankara (58), Ali Hoca (Bulghar Maden) (19), Maden (Gümüşhane) (4), Soğuksu (Ankara) (37), Turhal (Amasya) (59), Alanya (Antalya), Hamidiye, Çifteler (Eskişehir), Beytepe, Dodurga Köyü, Bağlam Köyü, Ayaş, Kızılcahamam, Gölpazarı, Karagöl, (Ankara), Kızılırmak, Eldivan (Çankırı), Manyas Kuş Cenneti (Balıkesir), Kızılören, Bozkır, Haydar Dağı, Akşehir (Konya), Selimağa, Kaman (Kırşehir), Kızılcahaya, Koparan (Çorum), Yerköy (Yozgat), Ürgüp (Nevşehir), Kayseri, Gömaç İstasyonu (Kayseri), Yıldızeli, Gemerek, Hafik (Sivas) (6), Trabzon (60).

Material examined: Erzincan: Kemaliye, Sıralıkonak, 22.VI.1982, leg. H. ÖZİŞİK; Gümüşhane: Torul, 6.VII.1995; Karamustafa, 7.VII.1995, leg. İ. ASLAN; Erzurum: Ilica, Rizekent, 1700 m, 18.VIII.1995; İspir, Madenköprübaşı, 1400 m, 7.VII.1996; Köşkköyü, 2100 m, 20.VI.1996; Narman, 1400 m, 5.VI.1993; 5.VII.1990; Oltu, Anzavderesi, 5.VII.1995; 31.VIII.1996; Çamlıbel, 1750 m, 14.VII.1996; Olur, Süngübayır, 1850 m, 21.V.1994; 24.VII.1996; 26.VII.1995; Pazaryolu, 1300 m, 26.VIII.1994; Şenkaya, Tırnalı, 1750 m, 25.VII.1996; Tortum, Aksu Yaylası, 2200 m, 7.VIII.1993; Aşağı Meydanlar, 7.VIII.1996; Kireçli, 1750 m, 8.VIII.1995, leg. İ. ASLAN; Tortumkale, 1500 m, 5.VII.1980, leg. H. ÖZİŞİK; Uzundere, Dikyar, 1450 m, 17.VI.1995; 30.VI.1996; 10.VII.1994; Gölbaşı Yaylası, 2100 m, 16.VI.1995; Üniversite, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Asia (excl. Japan), Morocco.

C. aurea (GEOFFROY, 1785)

Altica aurea GEOFFROY, Fourcr. Ent. Paris, 1: 100; *Chalcoides aurea*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1948–1950 (1950); TOMOV and GRUEV, 1975; GRUEV and TOMOV,

1979; GRUEV and KASAP, 1985; *Ch. aurea syriaca*: PIC, 1918; *Crepidodera aurea*: GRUEV, 1992.

Distribution in Turkey: European Turkey: Belgrat Ormanları (İstanbul) (4, 38); Asian Turkey: Akbaş (Hatay) (61), Eskişehir Çiftlik (19), Asia Minor (13, 57), Kızılcahamam (5), Soğuksu, Karagöl (Ankara) (6).

Material examined: Erzurum: Ilica, Eğerti, 28.VI.1997; Narman, 1450 m, 5.VII.1994; Köşkköyü, 2100 m, 20.VI.1996; Şenkaya, Turnalı, 1750 m, 25.VII.1996; Tortum, Tortumkale, 1500 m, 4.VII.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Western Siberia.

C. fulvicornis (FABRICIUS, 1792)

Galleruca fulvicornis FABRICIUS, Ent. Syst., 1, 2: 30; *Chalcoides fulvicornis*: CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Bafra (Samsun) (2).

Material examined: Erzurum: Merkez, Köşkköyü, 2000 m, 20.VI.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, Kazakhstan, Siberia, Mongolia, China.

C. lamina (BEDEL, 1901)

Chalcoides lamina BEDEL, Fn. Col. Bassin Seine, 5:398; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1948–1950 (1950); GRUEV and KASAP, 1985; *Crepidodera lamina*: GRUEV, 1992.

Distribution in Turkey: European Turkey (13, 38, 57); Asian Turkey: Kızılcahamam (Ankara) (6).

Material examined: Bayburt: Kopdağı, 2400 m, 13.VIII.1997, leg. İ. ASLAN.

General distribution: Europe, Caucasus.

C. plutus (LATREILLE, 1804)

Altica pluta LATREILLE, Nat. Crust. et Ins., 12: 7; *Chalcoides plutus*: TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Geleman (Samsun) (4), Vakıflar (Antalya) (6).

Material examined: Artvin: Şavşat, Karagöl, 8.VII.1998, leg. İ. ASLAN.

General distribution: Europe, Asia.

Genus: *Derocrepis* WEISE, 1886

D. rufipes (LINNAEUS, 1758)

Chrysomela rufipes LINNAEUS, Syst. Nat., ed. 10: 373; *Derocrepis rufipes*: HEIKERTINGER, 1925, 1948–1950 (1950); CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Mt. Accdos, Bythin Olymp (62), Asia Minor (13, 57).

General distribution: Europe, Caucasus, Turkey, Western and Central Siberia.

D. serbica (KUTSCHERA, 1860) s. str.

Haltica Gr. *Crepidodera serbica* KUTSCHERA, Wien. Ent. Monatschr., 4: 74; *Crepidodera strangulata*: ALLARD, 1860; *Derocrepis serbica*: WEISE, 1881–1893 (1886); PIC, 1911; HEIKERTINGER, 1925, 1948–1950 (1950); CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; *D. serbica* var. *bicolor*: WEISE, 1881–1893 (1886)

Distribution in Turkey: Turkey (63, 64), Asian Turkey: İstanbul (22), Bursa (57, 62), Asia Minor (13, 15), between Tokat and Almus (2).

General distribution: Bulgaria, Croatia, Greece, Romania, Serbia, Crimea (Ukraine), Turkey.

D. serbica anatolica HEIKERTINGER, 1922.

D. serbica anatolica HEIKERTINGER, Münch. Kol. Zeitschr., 4: 332; CSIKI and HEIKERTINGER, 1940; GRUEV, 1995.

Distribution in Turkey: Asian Turkey: Akşehir (Konya; locus typicus) (57, 62), Asia Minor (13, 15), Perge (65).

General distribution: Asian Turkey.

Genus: *Dibolia* LATREILLE, 1829

D. carpathica WEISE, 1893

D. carpathica WEISE, Naturgesch. Ins. Deutschl., Col. 6: 1030; MOHR, 1981.

Distribution in Turkey: Asian Turkey: Mt. Tauros (Adana) (66).

Material examined: Bayburt: Aydıntepe, 30.VI.1991, leg. H. BOSTAN; Kopdağı, 13.VIII.1997, leg. İ. ASLAN; Erzurum: Ilica, Atlıkonak, 1750 m, 12.VIII.1995; Rizekent, 1900 m, 18.VIII.1995; İspir, 1600 m, 6.VI.1993; Madenköprübaşı, 1400 m, 6.VI.1993; Köşk Köyü, 2000 m, 20.VI.1996; Oltu, Çamlıbel, 1750 m, 14.VII.1996; Olur, Oğuzkent, 2000 m, 23.VIII.1993; Pasinler, Rabat, 2200 m, 11.VII.1996; Şenkaya, Ormanlı, 1600 m, 20.V.1994; Tortum, Aşağı Meydanlar, 1750 m, 24.VIII.1993; Yumaklı, 14.VIII.1997, leg. İ. ASLAN.

General distribution: Eastern and Southeastern Europe, Caucasus, Turkey, Southern Russia, Kazakhstan.

D. cryptocephala (KOCH, 1803)

Haltica cryptocephala KOCH, Ent. Hefte, 2: 22–23; *Dibolia cryptocephala*: GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Soğanlı, Sarıkamış (Kars) (31).

Material examined: Erzurum: Pasinler, Rabat, 2200 m, 11.VII.1996; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Kazakhstan, Western Siberia.

D. cynoglossi (KOCH, 1803)

Haltica cynoglossi KOCH, Ent. Hefte, 2: 20; *Dibolia cynoglossi*: GRUEV and DÖERL, 1997.

Distribution in Turkey: Asian Turkey: Nemrut Mt. (Adıyaman) (31).

Material examined: Erzurum: Tortum, Yumaklı, 1900 m, 14.VIII.1997, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Armenia, Turkey.

D. depressiuscula (LETZNER, 1847)

Haltica (Dibolia) depressiuscula LETZNER, Arb. u. Verand. Schles. Ges. p. 83; *Dibolia depressiuscula*: MOHR, 1981; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Göreme (Nevşehir) (66), Bağlum Köyü (Ankara), Seydişehir, Mt. Küpe (Konya) (6).

Material examined: Artvin: Şavşat, Karagöl, 8.VII.1998; Erzurum: Hamamderesi, 14.VII.1998, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Western Siberia, Baikal area, Mongolia.

D. femoralis REDTENBACHER, 1849.

D. femoralis REDTENBACHER, Fn. Austr., p. 540; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Mt. Nemrut (Adıyaman) (31).

General distribution: Central and Southern Europe, Caucasus, Turkey, Rhodes.

D. kralii MOHR, 1981.

D. kralii, Pol. Pis. Ent., 51: 437–438; BIONDI, 1992.

Distribution in Turkey: Asian Turkey: Kop Mt. (Erzurum, Bayburt) (7).

Material examined: Erzurum: Tortum, Yumaklı, 1900 m, 14.VIII.1997, leg. İ. ASLAN.

General distribution: Iran, Turkey,

D. occultans (KOCH, 1803)

Haltica occultans KOCH, Ent. Hefte, 2: 23; *Dibolia occultans*: WEISE, 1897; HEIKERTINGER, 1930; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Anatolia (11), Asia Minor (13, 15), Belemelik (Adana) (19), Bürücek (Mt. Tauros) (20), Kırşehir, Yıldızeli (Sivas) (6).

Material examined: Artvin: Yusufeli, 21.VII.1997, leg. İ. ASLAN; Erzurum: İspir, Madenköprübaşı, 7.VII.1996; Olur, Süngübayır, 1850 m, 23.VII.1992; 24.VIII.1996; Uzundere, Dikyar, 1450 m, 9.VI.1996; 10.VI.1994; 17.VI.1995; 30.VI.1996; 31.VII.1993; 4.IX.1994; 8.IX.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Northwest Africa.

D. phoenicia ALLARD, 1866

D. phoenicia ALLARD, Abeille, 3: 418, 424; MOHR, 1981; *D. orientalis*: WEISE, 1881–1893 (1893); CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Turkey (13, 22), Asian Turkey: Gönen (Balıkesir) (66).

General distribution: Balkan Peninsula, Hungary, Caucasus, Turkey, Eastern Mediterranean.

D. rufofemorata REITTER, 1896

D. rufofemorata REITTER, Wien. Ent. Zeit., 15: 287; HEIKERTINGER, 1911a, 1930; CSIKI and HEIKERTINGER, 1940; MOHR, 1981; *D. notatipes*: PIC, 1903.

Distribution in Turkey: Asian Turkey: Anatolia (67), Akbaş (Hatay) (66, 68), Meram (Konya) Bolkar Mt., Gülek Boğazi, Mt. Sultan (68), Asia Minor (13, 15).

Material examined: Erzurum: İlica, Atlıkonak, 1800 m, 7.VII.1997, leg. İ. ASLAN.

General distribution: Eastern Mediterranean, Turkey.

D. rugulosa REDTENBACHER, 1849

D. rugulosa REDTENBACHER, Fn. Austr., p.541.

Material examined: Erzurum: Tortum, Yumaklı, 1900 m, 14.VIII.1997; Oltu, Çamlıbel, 1750 m, 14.VII.1996, leg. İ. ASLAN.

General distribution: Central, Southern and Eastern Europe, Caucasus.

NEW TO TURKEY.

D. schillingii (LETZNER, 1847)

Haltica (Dibolia) schillingii LETZNER, Arb. u. Verand. Schles. Ges., 1846, p. 82; *Dibolia schillingii*: HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985; *D. schillingii* var. *ciliciensis*: HEIKERTINGER, 1911a; CSIKI and HEIKERTINGER, 1940. *D. metallica*: HEIKERTINGER, 1930; MEDVEDEV, 1970; *D. schillingii ciliciensis*: MOHR, 1981.

Distribution in Turkey: Asian Turkey: Karagöl (Tarsus), Gülek Boğazı (Adana) (66, 68), Asia Minor (13, 15), Adana (2).

Material examined: Erzurum: Pasinler, 1600 m, 4.VIII.1993; 11.VIII.1992, leg. İ. ASLAN; Konya: Bozkır, 8.IX.1995, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Western Kazakhstan.

D. tricolor REITTER, 1899

D. tricolor REITTER, Wien. Ent. Zeit., 17: 127; MOHR, 1981.

Distribution in Turkey: Asian Turkey: Deve, nr. İspir (Erzurum) (66).

General distribution: Armenia, Turkey.

D. zangezurica IABLOKOFF–KHNZORIAN, 1968

D. zangezurica IABLOKOFF–KHNZORIAN, Ann. Soc. Ent. Fr., 4, 2: 266–268; GRUEV and KASAP, 1985; BIONDI, 1992; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Gıcık Köyü (Ankara) (6), Balaban nr. Darende (Malatya), Elbistan (Kahramanmaraş) (7), Akşehir (Konya) (31).

Material examined: Erzurum: İspir, Madenköprübaşı, 1450 m, 7.VII.1996; Uzundere, Dikyar, 10.VI.1994, leg. İ. ASLAN.

General distribution. Armenia, Turkey, Iran.

Genus: *Epitrix* FOU DRAS, 1860

E. abeillei (BAUDUER, 1874)

Crepidodera abeillei BAUDUER, Bull. Soc. Ent. Er., p. 163; *Epitrix abeillei*: KRAL, 1967.

Distribution in Turkey: Asian Turkey: Adana, Karataş (Adana) (20).

General distribution: Eastern Mediterranean, Turkey, Iraq, Iran, Kazakhstan, Central Asia.

E. atropae FOU DRAS, 1860

E. atropae FOU DRAS, Ann. Soc. Linn. Lyon (n.s.), 7: 55; *Epitrix atropae*: HEIKERTINGER, 1930, 1948–1950 (1950); CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15, 44, 57).

Material examined: Erzurum: İspir, Madenköprübaşı, 1400 m, 7.VII.1996, leg. İ. ASLAN; Muğla, Yatağan, Köyceğiz, 9.VII.1996, leg. D. YAĞIZ.

General distribution: Central and Southern Europe, Caucasus, Turkey, Algeria.

E. caucasica (HEIKERTINGER, 1950)

Epitrix caucasica HEIKERTINGER, Kol. Rundschau, 31, 4–6: 120; *Epitrix caucasica*: GRUEV et al., 1994.

Distribution in Turkey: Asian Turkey: Horasan, Kandilli, The University area (Erzurum), Kemaliye (Erzincan) (9).

Material examined: Erzurum: Oltu, Anzavderesi, 950 m, 31.VIII.1996; Olur, Süngübayır, 1850 m, 24.VII.1996, leg. İ. ASLAN; Üniversite, 1850 m, 6.VI.1982; 19.VI.1980, leg. H. ÖZİŞİK; 21.VI.1994; 24.VIII.1993, leg. İ. ASLAN.

General distribution: Caucasus, Turkey, Southern Russia, Iran, Kazakhstan, Himalayas.

E. hirtipennis (MELSHEIMER, 1847)

Crepidodera hirtipennis MELSHEIMER, Proc. Acad. Nat. Sci. Philadelphia, 3: 165; *Epitrix hirtipennis*: DÖBERL, 1996; TURANLI and KISMALI, 1996.

Distribution in Turkey: Asian Turkey: İzmir (69), Urla (İzmir) (70).

General distribution: America, Europe (Greece, Italy), Asian Turkey.

American species, introduced in Western Palearctic subregion, tobacco pest (69, 70).

E. intermedia FOU DRAS, 1860

E. intermedia FOU DRAS, Ann. Soc. Ent. Fr. (n.s.), 7: 55; *Epitrix intermedia*: HEIKERTINGER, 1930, 1948–1950 (1950); CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15, 57), Bafra (Samsun), Keşap, Esbiye (Giresun) (2).

Material examined: Erzincan: Kemaliye, 17.VI.1982, leg. H. ÖZİŞİK; Erzurum: Tortum, Aşağı Meydanlar, 1750 m, 7.VIII.1996; Uzundere, Dikyar, 1450 m, 9.VI.1996; 17.VI.1995; 30.VI.1996; Şelale, 1100 m, 9.VI.1996, leg. İ. ASLAN.

General distribution: Eastern, Southeastern and Southern Europe, Caucasus, Turkey.

E. pubescens (KOCH, 1803)

Haltica pubescens KOCH, Ent. Hefte, 2: 37; *Epitrix pubescens*: WEISE, 1897; BODEMEYER, 1900; GRUEV and KASAP, 1985; *Epitrix pubescens*: APFELBECK, 1916; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1948–1950 (1950).

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli), İstanbul Boğazı (17, 38); Asian Turkey: Anatolia (11), Bilecik (35), İstanbul, Eskişehir Çiftlik (19), Asia Minor (13, 57), Manyas Kuş Cenneti (Balıkesir) (6).

Material examined: Erzurum: Ilıca, Kandilli, 1600 m, 22.VIII.1996; İspir, Madenköprübaşı, 1450 m, 7.VII.1996; Oltu, Anzavderesi, 950 m, 31.VIII.1996; Pasinler, 1600 m, 6.VIII.1994; Tortum, Aşağı Meydanlar, 7.VIII.1996; Uzundere, Dikyar, 1450 m, 30.VI.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Kazakhstan, Western Siberia.

Genus *Hermaeophaga* FOUDRAS, 1859

H. mercurialis (FABRICIUS, 1792)

Galleruca mercurialis FABRICIUS, Ent. Syst. 1, 2: 33; *Hermaeophaga mercurialis*: HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15).

Material examined: Ordu, 21.VI.1991, leg. G. TOZLU.

General distribution: Europe, Caucasus, Turkey.

H. ruficollis (LUCAS, 1849)

Haltica ruficollis LUCAS, Explor. Scient. Algerie, p. 546; *Hermaeophaga ruficollis*: CSIKI and HEIKERTINGER, 1940; KRAL, 1967; MEDVEDEV, 1970, *Orthocrepis ruficollis*: GRUEV, 1992.

Distribution in Turkey: Asian Turkey (38), Asia Minor (15), Karataş, Kozan, Mt. Gavur, Misis (Adana) (20), Karahisali (Adana), Urabat (Bolu) (2).

Material examined: Antalya: Side, 11.IX.1992, leg. G. GILLERFORS.

General distribution: Europe, Caucasus, Turkey, Near East, Kazakhstan, Central Asia, Africa southward to Sudan, Arabia, Sri Lanka.

Genus *Hippuriphila* FOUDRAS, 1860

H. modeeri (LINNAEUS, 1761)

Chrysomela modeeri LINNAEUS, Fn. Suec., 2: 167; *Hippuriphila modeeri*: CSIKI and HEIKERTINGER, 1940; KRAL, 1967.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Mollafeneri (İstanbul) (20).

General distribution: Europe, Caucasus, Turkey, Siberia, Mongola.

Genus: *Longitarsus* LATREILLE in BERTHOLD, 1827

L. absynthii KUTSCHERA, 1862

L. absynthii KUTSCHERA, Wien, Ent. Monatschr., 6: 103, 217; BODEMEYER, 1900; HEIKERTINGER, 1930; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Ereğli (Konya) (35), Asia Minor (15), Mogan Lake (6).

General distribution: Europe, Caucasus, Turkey, Transcaspiya, Kazakhstan, Central Asia, Mongolia.

L. aeneicollis (FALDERMANN, 1837)

Haltica aeneicollis FALDERMANN, Nouv. Mém. Moscou, 5: 346, 539; *Longitarsus suturalis*: WEISE, 1897; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985; ÖZBEK et al., 1996.

Distribution in Turkey: Asian Turkey: Anatolia (11), Beledik (on Cakit Çayı) (19), Asia Minor (13), Gülek Boğazı (Adana), Paşabahçe, Pamukpınar, Ilıca nr., Yıldızeli (Sivas) (6), İspir, Pazaryolu (Erzurum), Kağızman (Kars), Iğdır (10).

Material examined: Antalya: Termosos, 1.VI.1992, leg. G. GILLERFORS; Erzincan: Bahçeli, 14.VII.1994, leg. İ. ASLAN; Kemaliye, Sıralıkonak, 21.V.1982, leg. H. ÖZİŞİK; Kars: Göle, Balçesme, 19.VIII.1997, leg. İ. ASLAN; Kağızman, 10.VII.1982, leg. H. ÖZİŞİK; Erzurum: İspir, 24.VII.1993, 1600 m; Madenköprübaşı, 1400 m, 24.VII.1993; Olur, Süngübayır, 1850 m, 24.VII.1996; Palandöken, 2300 m, 9.VII.1996; Pazaryolu, 1200 m, 23.VII.1993; Şenkaya, Turnalı, 1750 m, 25.VII.1996; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Eastern Mediterranean, Afghanistan, Iran, Kazakhstan, Central Asia.

L. albinea (FOUDRAS, 1860)

Teinodactyla albinea FOUDRAS, Ann. Soc. Linn. Lynn (n.s.), 6: 239, 310; *Longitarsus albinea*: SAHLBERG, 1913; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Mersin, Bolkar Mt. (Niğde) (36), Konya yolu, Develi (Kayseri) (6).

Material examined: Antalya: Side, 12.VI.1992, leg. G. GILLERFORS; Aydın, 24.IV.1969, leg. WITTMER (ex coll. L. Medvedev); Erzurum: Aşkale, Pınrakapan, 1900 m, 13.VIII.1997; İspir, Madenköprübaşı, 1400 m, 7.VII.1996; Uzundere, Dikyar, 20.VII.1997, leg. İ. ASLAN.

General distribution: Southern and Eastern Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Central Asia.

L. alfieri (PIC, 1923) s. str.

L. alfieri PIC, Echange, 39: 7; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Akseki (Antalya) (31).

Material examined: Erzurum: Pasinler, 1600 m, 13.VI.1996, leg. İ. ASLAN.

General distribution: Eastern Mediterranean, Turkey, Iran, Afghanistan, Central Asia.

L. alfieri furthi GRUEV, 1982

L. alfieri furthi GRUEV, Dt. Entom. Z., N.F., 29: 471–472.

Material examined: Erzurum: Oltu, Guryaparak, 2000 m, 30.VIII.1996; Olur, Süngübayır, 1850 m, 24.VII.1996; Tortum, Yumaklı, 14.VIII.1997, leg. İ. ASLAN.

General distribution: Bulgaria, Greece (Crete), Macedonia, Serbia, Spain, Ukraine (Crimea), Georgia (Caucasus).

NEW TO TURKEY.

L. anatolicus WEISE, 1900

L. anatolicus WEISE, Deutsche Ent. Zeitschr., p. 138; BODEMEYER, 1900; SAHLBERG, 1913; BIONDI, 1995; *L. anchusae anatolica* HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985; GRUEV, 1987.

Distribution in Turkey: Asian Turkey: Akşehir (Konya) (locus typicus) (8, 23, 35, 71), Ankara (23), Konya, Tarsus (Mersin) (35), West Anatolia, İzmit (36); Asia Minor (13, 15), Söğütözü, Etimesgut, Temelli, Çubuk Barajı, Ayaş (Ankara), Kulu (Konya), Aksaray, Sivas (6), Boğazkale (Çorum), Çayözü (Yozgat), Yaka (Isparta), Tarsus, Çamlıyayla (İçel), Göksun (Kahramanmaraş), Tercan (Erzincan), Ercek Gölü, Başkale, Gürpınar (Van), Eski Malatya (Malatya), Pınarbaşı (Kayseri), Boğazlıyan (Yozgat), Bitlis, Muş, Karaman (8).

Material examined: Diyarbakır, Silvan, 17.IV.1995, leg. E. YILDIRIM; Erzurum: Uzundere, Dikyar, 1450 m, 24.V.1994; 8.IX.1996, leg. İ. ASLAN; İçel: Erdemli, Aydınlar, 9.VI.1992, leg. G. GILLERFORS; Kahramanmaraş: 20 km Buoni, 1.V.1969 and Gölbaşı, 8.V.1969, leg. WITTMER (ex coll. L. Medvedev).

General distribution: Azerbaijan, Turkey, Iran, Israel.

L. anchusae (PAYKULL, 1799)

Galeruca anchusae PAYKULL, En. Suec., 2: 101; *Longitarsus anchusae*: MEDVEDEV, 1970; BIONDI, 1995.

Distribution in Turkey: Asian Turkey: Karahisali (Adana) (2), Ilgaz Dağı Geçidi (Kastamonu), Ardahan nr. and Göle (8).

Material examined: Erzurum: Horasan, Karaçuha, 1600 m, 21.V.1980; Ilica, Kandilli, 1600 m, 25.VI.1982, leg. H. ÖZİŞİK; 25.VI.1994; Oltu, Ballica, 14.V.1997; Olur, Süngübayır, 1850 m, 11.V.1994; 13.V.1995; 15.V.1995; 21.V.1994; 20.VII.1994; Uzundere, Dikyar, 1450 m, 29.IV.1996; Gölbaşı Yaylası, 2100 m, 16.VI.1995, leg. İ. ASLAN; Üniversite, 1850 m, 17.V.1980, 16.VI.1982 leg. H. ÖZİŞİK; 25.VI.1990, leg. İ. ASLAN; İçel: Erdemli, Aydınlar, 9.VI.1992, leg. G. GILLERFORS.

General distribution: Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, Kazakhstan, Central Asia, Siberia.

L. aramaicus LEONARDI, 1979

L. aramaicus LEONARDI, Atti Soc. Ital. Sci. Nat. Mus. civ. Stor. nat. Milano, 120, 3–4: 296–300; BIONDI, 1992.

Distribution in Turkey: Asian Turkey: Atatürk Orman Çiftliği, Beynam (Ankara) (7).

General distribution: Eastern Mediterranean, Turkey.

L. artvinus GRUEV et ASLAN, 1998

L. artvinus GRUEV et ASLAN, 1998, Türk. entomol. derg., 22 (3): 163–169.

Distribution in Turkey: Asian Turkey: Yusufeli (Artvin, locus typicus) (72).

General distribution: Turkey.

L. atricillus (GYLLENHAL, 1813)

Haltica atricilla GYLLENHAL, Ins. Suec., 3: 540.

Material examined: Bayburt, Derinöz, 23.VII.1991, leg. H. BOSTAN; Erzurum: Uzundere, Dikyar, 1450 m, 8.IX.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Transcaspia, Iran, Turkmenistan, North Africa.

NEW TO TURKEY.

L. audisioi BIONDI, 1992

L. audisioi BIONDI, *Fragm. Entomol.*, Roma, 23, 2: 342–345.

Distribution in Turkey: Asian Turkey: Sümela (Trabzon; locus typicus) (7).

General distribution: Turkey

L. ballotae (MARSHAM, 1802)

Chrysomela ballotae MARSHAM, *Ent. Brit.*, 1: 105; *Longitarsus ballotae*: BODEMEYER, 1900; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Konya (35), Asia Minor (13), Southeastern Turkey (2), Akşehir (Konya), Bağlum Köyü, Temelli (Ankara) (6).

Material examined: Erzurum: Üniversite, 1850 m, 24.IV.1982, leg. H. ÖZİŞİK; 21.VI.1994, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, Mongolia, Yemen.

L. bertii LEONARDI, 1973

L. bertii LEONARDI, *Atti Soc. Ital. Sci. Nat. Mus. civ. Stor. nat. Milano*, 114, 4: 465–473; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey (73); Asian Turkey: Gökdağ (73), Aksaray (6).

Material examined: Gümüşhane: Kelkit, 9. VII. 1995, leg. İ. ASLAN; Erzurum: Olur, Süngübayır, 1850 m, 26.VII.1995; Pasinler, 1600 m, 23.VI.1989; 6.VII.1994, leg. İ. ASLAN.

General distribution: Southeastern Europe, Caucasus, Turkey, Eastern Mediterranean, Iran.

L. brisouti HEIKERTINGER, 1912.

L. brisouti HEIKERTINGER, *Ent. Blatter*, 8: 293–297; GRUEV et al., 1994.

Distribution in Turkey: Asian Turkey: The University, Kandilli, Karaçuha, Horasan (Erzurum), Sandıklı, Kemaliye (Erzincan) (9).

Material examined: Erzurum: Horasan, Karaçuha, 1600 m, 31.V.1980, leg. H. ÖZİŞİK; Ilica, Kandilli, 1600 m, 25.VI.1994; Söğütlü, 1800 m, 12.VIII.1993; Üniversite, 1850 m, 21.VI.1994; 9.VII.1992, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Southern Russia, Turkey.

L. bytinskii FURTH, 1979.

L. bytinskii FURTH, *Israel Journ. Ent.*, 13: 91–93.

Material examined: Erzurum, Oltu, Güryaprak, 1950 m, 30.VIII.1996, leg. İ. ASLAN.

General distribution: Armenia, Israel.

NEW TO TURKEY.

L. echii (KOCH, 1803)

Haltica echii KOCH, *Ent. Hefte*, 2: 52; *Longitarsus echii* var. *peregrinus*: WEISE, 1881–1893 (1893).

Distribution in Turkey: Asian Turkey: Anatolia (22).

General distribution: Central and Southern Europe, Turkey, Afghanistan, North Africa, Atlantic Islads.

L. exoletus (? spp.) *rufulus* (FOUDRAS, 1860)

Teinodactyla rufula FOU DRAS, *Ann. Soc. Linn. Lyon* (s.n.), 6: 240, 397; *Longitarsus exoletus rufulus*: HEIKERTINGER, 1930; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MOHR, 1977; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15), Bythin Olimp, Ereğli, Akdağ (19), Anatolia, Kahramanmaraş (74), Gıcık Köyü, Bağlum Köyü, Mogan Lake, Ayaş (Ankara), Bünyan (Kayseri) (6).

Material examined: Gümüşhane: Karamustafa, 7.VII.1995; Kelkit, 9.VII.1995, leg. İ. ASLAN; Erzurum: Ilica, Kandilli, 1600 m, 22.VIII.1996; İspir, Zeyrek, 1700 m, 18.VIII.1995; Oltu, 1350 m, 10.VII.1989; Pasinler, 1600 m, 6.VIII.1994; 9.VIII.1992; Söğütlü, 1800 m, 12.VIII.1992; Tortum, Karlı, 2200 m, 16.VIII.1995; Uzundere, Dikyar, 1450 m, 30.VI.1996; Üniversite, 1850 m, 21.VI.1994; 25.VII.1994; 2.VIII.1993, leg. İ. ASLAN.

General distribution: Northern Mediterranean, Caucasus, Asian Turkey, Syria, Cyprus.

L. fallax WEISE, 1888.

L. linnaei var. *fallax* WEISE, *Naturgesch. Ins. Deutschl., Col.*, 6: 929–931; *Thyamis dimidiata*: ANONYMOUS, 1907; *Longitarsus nitens*: LEONARDI, 1973; *L. dimidiatus*: GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (26); Asian Turkey: Asia Minor (73), Eryaman, Etimesgut, Ayaş, Karşıyaka (Ankara), Ilica (Sivas), Kulu (Manisa) (6).

Material examined: Artvin: Şavşat, 22.V.1997; Erzurum: Oltu, Ballica, 14.V.1997, leg. İ. ASLAN; Erzincan, 9.V.1982, leg. H. ÖZİŞİK.

General distribution: Southern and Southeastern Europe, Caucasus, Turkey, Iran, Iraq, Eastern Mediterranean, Kazakhstan, Central Asia, North Africa.

L. foudrasi WEISE, 1893.

L. foudrasi WEISE, Nautgesch. Ins. Deutschl., Col. 6: 987, 1020; GRUEV et al., 1994.

Distribution in Turkey: Asian Turkey: Aşağı Meydanlar, Tortum (Erzurum) (9).

Material examined: Erzurum: Oltu, Güryaprak, 2000 m, 30.VIII.1996; Olur, Güngöründü, 1900 m, 21.VIII.1992; Tortum, Aşağı Meydanlar, 1750 m, 7.VIII.1996; 24.VIII.1993; Yumaklı, 14.VIII.1997; Uzundere, Dikyar, 1450 m, 30.VI.1996; Üniversite, 1850 m, 25.VI.1996, leg. İ. ASLAN; Sağırın, 5.VI.1989, leg. G. GILLERFORS.

General distribution: Central and Southern Europe, Caucasus, Turkey, Siberia, North Africa.

L. fuscoaeus REDTENBACHER, 1859

L. fuscoaeus REDTENBACHER, Fn. Austr., p. 535; HEIKERTINGER, 1912–1914 (1914); CSIKI and HEIKERTINGER, 1940; WARCHALOWSKI, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Adana (24), Asia Minor (13), Namrun (Mersin) (75), Gicik Köyü, Mogan Lake, Ayaş, Karşıyaka (Ankara), Bünyan (Kayseri) (6).

Material examined: Erzurum: Olur, Süngübayır, 1850 m, 13.V.1995; 20.VII.1995, leg. İ. ASLAN; Üniversite, 1850 m, 7.V.1983, leg. H. ÖZİŞİK.

General distribution: Central and Southern Europe, Caucasus, Turkey, Eastern Mediterranean.

L. ganglbaueri HEIKERTINGER, 1912.

L. ganglbaueri HEIKERTINGER, Ent. Blatter, 8: 292; GRUEV et al., 1994.

Distribution in Turkey: Asian Turkey (9).

Material examined: Erzurum: Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Mongolia, Siberia.

L. hittita BIONDI, 1995

L. hittita BIONDI, Nouv. Revue Ent. (N.S.), 12, 4: 262–265.

Distribution in Turkey: Asian Turkey: Temelli (Ankara; locus typicus), Ankara, Akköy Barajı (Kayseri), Tercan (Erzincan), Tutak (Ağrı), Çumra (Konya) (8).

General distribution: Turkey.

L. iconiensis WEISE, 1900.

L. iconiensis WEISE, Deutsche Ent. Zeitschr., p. 137; HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; BIONDI, 1995; *L. angorensis*: GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Konya (locus typicus) (8, 23), Asia Minor (13, 15), Temelli (Ankara) (6).

General distribution: Turkey.

L. jacobaeae (WATERHOUSE, 1858)

Thymis jacobaeae WATERHOUSE, Cat. Brit. Col., p. 94 (part).

Material examined: Bayburt: Oruçbey, 17.VIII.1996, leg. İ. ASLAN; Erzurum: Aşkale, Pınrakapan, 13.VIII.1997, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Kazakhstan, Kyrgyzstan, Mongolia, Siberia.

NEW TO TURKEY.

L. jailensis HEIKERTINGER, 1913.

L. jailensis HEIKERTINGER, Ent. Blatter, 9, 3–4: 145, 1930; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GRUEV, 1992.

Distribution in Turkey: European Turkey: Belgrat Ormanları (38); Asian Turkey: İstanbul Boğazı (15); Eskişehir (19), Asia Minor (13).

General distribution: Southeastern Bulgaria, Turkey, Ukraine (Crimea).

L. juncicola (FOUDRAS, 1860)

Teinodactyla juncicola FOU DRAS, Ann. Soc. Linn. Lyon (n.s.). 6: 239, 301; *Longitarsus juncicola*: LEONARDI, 1973; GRUEV et al., 1994.

Distribution in Turkey: Asian Turkey: Akbaş (Hatay), Eskişehir (73), Esiroğlu (Trabzon) (9).

Material examined: Erzurum: Uzundere, Dikyar, 1450 m, 8.IX.1996, Leg. İ. ASLAN; Trabzon: Esiroğlu, 6.VIII.1992, leg. İ. AYDIN.

General distribution: Central and Southern Europe, Caucasus, Turkey, North Africa.

L. karlheinzi WARCHALOWSKI, 1972.

L. karlheinzi WARCHALOWSKI, Pol. Pis. Ent., 42, 2: 314–316, 1996; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Eğridir (Isparta; locus typicus) (76, 77), Akseki (Antalya) (31).

General distribution: Ukraine (Crimea), Turkey, Iran, Israel.

L. kopdagiensis GRUEV et ASLAN, 1998.

L. kopdagiensis GRUEV et ASLAN, 1998, Türk. entomol. derg. 22 (3): 163–169.

Distribution in Turkey: Asian Turkey: Kopdağı (Bayburt; locus typicus) (72).

General distribution: Turkey.

L. kutscherae (REY, 1892)

Thyamis kutscherae REY, Ent. Annual, p. 199; *Logitarsus kutscherae*: WARCHALOWSKI, 1969.

Distribution in Turkey: Asia Minor (78).

Material examined: Erzurum: 4.VIII.1992; Ilica, Atlıkonak, 11.IX.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Siberia, China, Korea, Algeria.

L. lateripunctatus personatus WEISE, 1893.

L. lateripunctatus var. *personatus* WEISE, Naturgesch. Ins. Deurtschl., Col. 6: 964; *L. lateripunctatus personatus*: DOGUET, 1989; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Turkey (79); Asian Turkey (31).

General distribution: Central, Southern and Southeastern Europe, Caucasus, Turkey, Eastern Mediterranean.

L. ledouxi DOGUET, 1979

L. ledouxi DOUGET, L'Entomologiste, 35, 2: 52–53.

Distribution in Turkey: Asian Turkey: Ovit Dağı Geçidi (Rize; locus typicus) (77, 80).

General distribution: Caucasus, Turkey.

L. lewisii (BALY, 1874)

Thyamis lewisii BALY, Trans. Ent. Soc. London, p. 199; *Longitarsus lewisii*: LEONARDI et DOGUET, 1990.

Distribution in Turkey: Asian Turkey: Hopa (Artvin), Ardeşen (Rize) (81).

Material examined: Erzurum: Köşkköyü, 2000 m, 20.VI.1996; Kandilli, 22.VIII.1996; Olur, Süngübayır, 24.VIII.1996, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Afghanistan, Central Asia, Siberia, Mongolia, China, Japan, Vietnam.

L. linnaei (DUFTSCHMID, 1825)

Haltica linnaei DUFTSCHMID, Fn. Austr., 3: 265; *Longitarsus linnaei*: APFELBECK, 1901, 1916; TÖLG,

1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970.

Distribution in Turkey: European Turkey: Yedikule (İstanbul) (17, 28); Asian Turkey: Eskişehir Çiftlik (19), Asia Minor (13), Kozan (Adana) (2).

Material examined: Artvin; Ardanuç, Akarsu, 900 m, 7.VII.1994; Şavşat, 22.VI.1997, leg. İ. ASLAN; Diyarbakır: Silvan, 17.IV.1995, leg. E. YILDIRIM; Erzurum: Oltu, Zerdenes, 14.V.1997; Uzundere, Dikyar, 1450 m, 24.V.1994; 8.IX.1996, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean.

L. longipennis KUTSCHERA, 1836.

L. longipennis KUTSCHERA, Wien. Ent. Monatschr., 7: 293, 306; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Asia Minor (13).

Material examined: Antalya: 20 km, S. Elmalı, 2.VI.1992, leg. G. GILLERFORS; Erzurum: Olur, Süngübayır, 1850 m, 24.VII.1996; Üniversite, 1850 m, 21.VI.1994; 27.VI.1992; 9.VII.1992, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Kazakhstan, Central Asia, Siberia.

L. luridus (SCOPOLI, 1763)

Chrysomela lurida SCOPOLI, Ent. Carniol., p. 70; *Thyamis lurida*: ANONYMOUS, 1907; *Longitarsus syriacus*: HEIKERTINGER, 1930; *L. luridus*: TÖLG, 1938; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (26); Asian Turkey: Asia Minor (15), Eskişehir Çiftlik (19), Demetevler, Söğütözü (Ankara), Kırşehir, Yozgat, Paşabahçe, Gemerek, Kangal (Sivas) (6).

Material examined: Antalya: Termesos, 6.VI.1989; 1.VI.1992; Side, 1.VI.1989, leg. G. GILLERFORS; Artvin: Yusufeli, 21.VII.1997; Bayburt, 11.VIII.1991, leg. İ. ASLAN; Erzurum: Çat, Bozyazı, 1700 m, 11.VIII.1994; İspir, Gölyurt Geçidi, 8.VIII.1994; Ilica, Atlıkonak, 1750 m, 11.IX.1996; Kandilli, 1600 m, 25.VI.1982; 22.VIII.1996; Oltu, Anzavderesi, 950 m, 31.VIII.1996; Güryaprak, 2000 m, 30.VIII.1996; Olur, Süngübayır, 1850 m, 21.V.1994; 20.VII.1995; 24.VII.1996; 26.VII.1995; 27.VII.1994; Pasinler, 1600 m, 9.VIII.1992, leg. İ. ASLAN; 9.VIII.1983, leg. H. ÖZİŞİK; Rabat, 2200 m, 15.VIII.1995; Tortum, Aşağı Meydanlar, 1750 m, 7.VIII.1996; Karlı, 2200 m, 18.V.1995; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 19.IV.1991, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Near East, Eastern Mediterranean, Kazakhstan, Central Asia, Siberia, Mongolia.

L. lycopi (FOUDRAS, 1860)

Teinodactyla lycopi FOUDRAS, Ann. Soc. Linn. Lyon (n.s.), 6: 234, 305; *Longitarsus lycopi*: APFELBECK, 1901; SAHLBERG, 1913; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; LEONARDI, 1973; GRUEV and KASAP, 1985; ÖZBEK et al., 1996.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (38); Asian Turkey: Mersin (36), Anatolia, Bolkar Mt. (19), Asia Minor (13), Amanos Dağları, Yarpuz (Hatay), Gülek Boğazı, Belemelik (Mt. Tauros) (Adana), Bythin Olymp, Eskişehir; Eskişehir Çiftlik (73), Çubuk Barajı II (Ankara), Manyas Kuş Cenneti (Balıkesir), Uludağ (Bursa) (6), Ispir (Erzurum), Üzümlü (Erzincan) (10).

Material examined: Artvin: Yusufeli, 21.VII.1997, leg. İ. ASLAN; Aydın: 5.VII.1997, leg. H. ÖZBEK; Giresun, 1982, leg. H. ÖZBEK, Erzincan, 1980, leg. H. ÖZBEK; Erzurum: Dumlu, 1900 m, 28.VII.1994; Ispir, 1500 m, 24.VII.1994; Ilica, Kandilli, 25.VI.1992; Oltu, Çamlıbel, 1750 m, 7.IX.1995; Uzunoluk, 1400 m, 30.VIII.1996; Olur, Süngübayır, 1850 m, 26.VIII.1995; Palandöken, 2300 m, 9.VII.1996; Pasinler, Kotandüzü, 2100 m, 28.V.1995; 28.V.1996; Rabat, 2200 m, 13.VI.1996; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 9.VI.1991, leg. İ. ASLAN; Mersin, 11.VI.1992, leg. İ. RYDH.

General distribution: Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, Kazakhstan, Central Asia, Saudi Arabia, Yemen.

L. melanocephalus (DE GEER, 1775)

Chrysomela melanocephala DE GEER, Mém. Hist. Ins., 5: 348; *Thyamis picipes*: ANONYMOUS, 1907; *Longitarsus melanocephalus*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985; ÖZBEK et al., 1996.

Distribution in Turkey: Turkey (26); European Turkey: Belgrat Ormanları (İstanbul) (19); Asian Turkey: Eskişehir Çiftlik (19), Asia Minor (13), Temelli, Tüney Köyü, Kalecik (Ankara) (6), Erzincan, Üzümlü (Erzincan), Oltu (Erzurum), Yusufeli (Artvin), Iğdır (10).

Material examined: Artvin: Yusufeli, 21.VII.1997; Bayburt, 10.VII.1992, leg. İ. ASLAN; Erzincan, 16.VI.1982, leg. H. ÖZBEK; Erzurum: Aşkale, Pınrakapan, 13.VIII.1997; Ilica, Kandilli, 1600 m,

22.VIII.1996; Oltu, Anzavderesi, 950 m, 30.VIII.1996; Ballıca, 14.V.1997; Çamlıbel, 1750 m, 7.IX.1995; Uzunoluk, 1400 m, 30.VIII.1996; Olur, Süngübayır, 1850 m, 24.VII.1996; Pasinler, Büyükdere, 1900 m, 28.V.1996; Şenkaya, Turnalı, 1750 m, 25.VII.1996; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Israel, Kazakhstan, Central Asia, Siberia.

L. membranaceus (FOUDRAS, 1880).

Teinodactyla membranacea FOUDRAS, Ann. Soc. Linn. Lyon (n.s.), 6: 240, 332; *Longitarsus membranaceus*: LEONARDI, 1975.

Distribution in Turkey: Asian Turkey: Gülek Boğazı (Adana) (82).

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean.

L. minusculus (FOUDRAS, 1860)

Teinodactyla minuscula FOUDRAS, Ann. Soc. Linn. Lyon (n.s.), 6: 238, 266; *Longitarsus minusculus*: GRUEV, 1992.

Distribution in Turkey: Asian Turkey (38).

General distribution: Central and Southern Europe, Caucasus, Turkey, Northwest Africa.

L. niger (KOCH, 1803)

Haltica niger KOCH, Ent. Hefte, 2: 57; *Longitarsus niger*: HEIKERTINGER, 1930; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Eskişehir Çiftlik (19), Asia Minor (13, 15).

Material examined: Erzurum: Ilica, Kandilli, 1600 m, 25.VI.1992; Pasinler, 1600 m, 4.VI.1993; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 6.VI.1992; 21.VI.1994, leg. İ. ASLAN; İstanbul: Beykoz, 1.IX.1902, (ex coll. British Museum).

General distribution: Europe, Caucasus, Turkey.

L. nigrofasciatus (GOEZE, 1777)

Chrysomela nigrofasciata GOEZE, Ent. Beytr., p. 312; *Longitarsus nigrofasciatus*: TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; LEONARDI, 1972; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Bursa, Bythin Olymp (19), Asia Minor (13), Eskişehir (83), Kayaş, Hasanoğlan, Ayaş (Ankara), Uludağ (Bursa) (6).

Material examined: Erzurum: Köşkköyü, 2000 m, 1.VI.1996; Olur, Güngöründü, 1900 m, 21.VIII.1992; Süngübayır, 20.VII.1994; Şenkaya, Ormanlı, 1300 m, 20.V.1994; Uzundere, Dikyar, 1450 m, 31.VII.1993; Üniversite, 1850 m, 15.V.1992; 21.VI.1994, leg. İ. ASLAN; Mersin: Erdemli 1100 m, 11.VI.1992, leg. İ. RYDH.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, Western Siberia, Northwest Africa.

L. nimrodi FURTH, 1979

L. nimrodi FURTH, Israel Journal Ent., 13: 108–110; BIONDI, 1992.

Distribution in Turkey: Asian Turkey: Sümela (Trabzon) (7).

Material examined: Erzurum: Uzundere, Dikyar, 30.VI.1996, leg. İ. ASLAN; Kandilli, 22.VIII.1996, leg. İ. ASLAN.

General distribution: Austria, Bulgaria, Italy, Slovenia, Israel, Turkey.

L. obliteratus (ROSENHAUER, 1847)

Teinodactyla obliterata ROSENHAUER, Beitr. Ins. Eur., p. 61; *Longitarsus obliteratus*: TÖLG, 1938; MEDVEDEV, 1970; GRUEV and DÖBERL, 1997; *L. obliteratus meridionalis*: CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Akdağ (Adana) (19), Asia Minor (13), Soğukoluk, Iskenderun (Hatay) (2), Burdur Lake, Beşkonak, Akseki (Antalya) (31).

Material examined: Antalya: Beşkonak, 6.VI.1992, leg. G. GILLERFORS; Erzurum: Tortum, Aşağı Meydanlar, 1750 m, 7.VIII.1996; Yumaklı, 14.VIII.1997; Uzundere, 13.VII.1997; Dikyar, 1450 m, 8.IX.1996, leg. İ. ASLAN; İstanbul: Beykoz, 1.IX.1902 (ex coll. British Museum).

General distribution: Western and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean.

L. ochroleucus (MARSHAM, 1802)

Chrysomela ochroleuca MARSHAM, Ent. Brit., 1: 202; *Longitarsus ochroleucus*: SAHLBERG, 1913; WITTMER, 1935; KERVILLE, 1939; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985.

Distribution in Turkey: Turkey (84); Asian Turkey: İzmir, Yamanlar (İzmir), Mersin (36, 54), Asia Minor (13), Gömaç İstasyonu (Kayseri) (6).

Material examined: Erzincan: Kemaliye, Sıralıkonak, 20.VI.1982, leg. H. ÖZİŞİK.

General distribution: Europe, Caucasus, Turkey, Northwest Africa.

L. parvulus (PAYKULL, 1799)

Galeruca parvula PAYKULL, Fn. Suec., 2: 102; *Longitarsus parvulus*: CSIKI and HEIKERTINGER, 1940; ÖZBEK et al., 1996.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Kağızman (Kars) (10).

Material examined: Erzurum: Pasinler, 1600 m, 4.VIII.1993; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Eastern Mediterranean, Siberia, Northwest Africa, Macaronesia.

L. pellucidus (FOUDRAS, 1860)

Teinodactyla pellucida FOU DRAS, Ann. Soc. Lyon (n.s.), 8: 240, 322; *Longitarsus pellucidus*: SAHLBERG, 1913; HEIKERTINGER, 1930; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; GRUEV and KASAP, 1985; ÖZBEK et al., 1996.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15), Efes (İzmir) (36), Akdağ, Hasandağı (Adana) (19), between Amasya and Ezinepazarı, between Tokat and Almus (2), Bağlum (Ankara), Sivas (6), İspir, Oltu, Pazaryolu (Erzurum), Üzümlü (Erzincan), Yusufeli (Artvin), Kağızman (Kars), Iğdır (10).

Material examined: Artvin, Borçka, 8.VII.1992; Yusufeli, 21.VII.1997; Bayburt: Aydıntepe, 30.VI.1991; Kopdağı, 13.VIII.1997, leg. İ. ASLAN; Gümüşhane: Torul, 6.VII.1995; Kelkit, 9.VII.1995, leg. İ. ASLAN; Erzurum: Abdurrahman Gazi, 2200 m, 12.VIII.1992; Dutçu, 1900 m, 30.VI.1993; İspir, Madenköprübaşı, 1400 m, 6.VI.1980; 7.VII.1996, leg. İ. ASLAN; Köprüköy, 1550 m, 2.VII.1984; Oltu, 1350 m, 7.VI.1989; 16.VI.1988; 10.VII.1989; 11.VII.1988, leg. H. ÖZBEK; Çamlıbel, 1750 m, 7.VII.1995; 14.VII.1996; Palandöken, 2300 m, 19.VII.1993; Pasinler, 1600 m, 6.VII.1994; 4.VIII.1993, leg. İ. ASLAN; Şenkaya, 1600 m, 8.VII.1988; 10.VII.1988; 19.VII.1988, leg. H. ÖZBEK; Paşalı, 1200 m, 12.VI.1996; Tortum, Karlı, 2200 m, 16.VIII.1995; Üniversite, 1850 m, 25.VI.1996; 2.VII.1993; 2.VIII.1993; 9.VIII.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, Mongolia.

L. picicollis WEISE, 1900

L. picicollis WEISE, in: BODEMEYER, Quer durch Kleinasien in den Bulghar Dagh, p. 165; HEIKERTINGER,

1930; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Bozdağ (İzmir), Zeytin (Kahramanmaraş), Asia Minor (13, 15), Çubuk Barajı (Ankara) (6).

Material examined: Erzurum: Ilica, Kandilli, 1600 m, 25.VI.1996 leg. İ. ASLAN; Üniversite, 1850 m, 28.V.1984, leg. H. ÖZİŞİK; 21.VI.1994, leg. İ. ASLAN.

General distribution: Southeastern Europe, Caucasus, Turkey, Iran, Afghanistan, Kazakhstan, Central Asia.

L. pinguis WEISE, 1888

L. pinguis WEISE, Naturgesch. Ins. Deutschl., Col. 6: 235, 936; MOHR, 1962.

Distribution in Turkey: Asian Turkey: İstanbul (85), Asia Minor (86).

General distribution: Eastern and Southeastern Europe, Germany, Caucasus, Turkey, Syria.

L. pratensis (PANZER, 1794)

Altica pratensis PANZER, Fn. Germ., 21, Nr. 16; *Longitarsus pratensis*: APFELBECK, 1901, 1916; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985; LEONARDI and DOGUET, 1990; GRUEV and MERKL, 1992.

Distribution in Turkey: European Turkey: İstanbul, Yeşilköy (Kırklareli) (17, 28, 90), Bahçeköy (Belgrat Ormanları) (19); Asian Turkey: Faikli (Ankara), Sivas, Hafik (Sivas), Aksaray (6), Eskişehir Yolu, Hopa (Artvin), Ardeşen (Rize), Kastamonu (81), Erzincan, Akşehir (Konya) (87).

Material examined: Erzincan, 16.V.1982, leg. H. ÖZİŞİK; Erzurum: Çat, Taşağıl, 2100 m, 11.VIII.1994; Oltu, Anzavderesi, 950 m, 5.VII.1995; 31.VIII.1996; Çamlıbel, 1750 m, 7.IX.1995; Güryaprak, 2000 m, 30.VIII.1996; Olur, Süngübayır, 1850 m 24.VII.1996; 26.VII.1995; Tortum, Karlı, 2200 m, 16.VIII.1995; Uzundere, Dikyar, 1450 m, 4.IX.1994; 8.IX.1996; Üniversite, 1850 m, 20.VII.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Israel, Kasakhstan, Central Asia, Northwest Africa, Macaronesia.

L. quadriguttatus (PONTOPPIDAN, 1765)

Chrysomela quadriguttata PONTOPPIDAN, Nat. Dan., p. 203; *Longitarsus quadriguttatus*: GRUEV, 1992; BIONDI, 1992.

Distribution in Turkey: Asian Turkey (38), Çağış (Balıkesir) (7).

Material examined: Diyarbakır: Silvan, 17.IV.1995, leg. E. YILDIRIM; Erzurum: Tortum, 1600 m, 4.VII.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey.

L. rectilineatus (FOUDRAS, 1860)

Tainodactyla rectilineata FOU DRAS, Ann. Soc. Linn. Lyon (n.s.), 6: 237; *Longitarsus rectilineatus*: GRUEV and KRAL, 1975.

Distribution in Turkey: Mogan Lake (Ankara) (88).

Material examined: Erzurum: İspir, 1500 m, 24.VII.1992; 24.VII.1993; 24.VII.1991; Madenköprübaşı, 1400 m, 24.VII.1991; Üniversite, 1850 m, 21.VI.1994; leg. İ. ASLAN; İstanbul: Beykoz, 25.IV.1930, leg. BİRO (ex coll. Budapest Museum).

General distribution: Eastern, Southern and Southeastern Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, Northwest Africa.

L. reichei (ALLARD, 1860)

Tainodactyla reichei ALLARD, Ann. Soc. Ent. Fr., 3, 8: 90, 132.

Material examined: Erzurum: Oltu, Anzavderesi, 950 m, 31.VIII.1996; Dutlu, 1250 m, 26.VI.1997, leg. İ. ASLAN; Şenkaya, Gaziler, Soğanlı Dağı, Çakırbaba Geçidi, 2450 m, 13.VIII.1998, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Iran.

NEW TO TURKEY.

L. salviae GRUEV, 1975

L. salviae GRUEV, Acta zool. Bulgarica, 1: 89–90.

Material examined: Gümüşhane: Torul, 6.VII.1995, leg. İ. ASLAN; Erzurum: Oltu, Çamlıbel, 1750 m, 12.VIII.1998; Pasinler, 1600 m, 8.VIII.1995; Şenkaya, Gaziler, 14.VIII.1998, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Southern Russia.

NEW TO TURKEY.

L. scutellaris (REY, 1874)

Thyamis scutellaris REY, in: MULSANT and REY, Ann. Soc. Linn. Lyon (n.s.), 20: 231; *Longitarsus scutellaris*: GRUEV et. al., 1994.

Distribution in Turkey: Abdurrahman Gazi (Erzurum) (9).

Material examined: Artvin: Yusufeli, 21.VII.1997; Erzurum: Merkez, Abdurrahmangazi, 2100 m,

12.VII.1993; Oltu, Anzavderesi, 950 m, 31.VIII.1996; Çamlıbel, 1750 m, 7.IX.1995; Uzundere, Dikyar, 1450 m, 30.VII.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey.

L. succineus (FOUDRAS, 1860)

Teinodacyla succinea FOU DRAS, Ann. Soc. Linn. Lyon (n.s.), 6: 249, 330; *Longitarsus succineus*: CSIKI and HEIKERTINGER, 1940; GRUEV, 1992.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Istanbul (38).

Material examined: Erzurum: Dumlu, 1900 m, 28.VII.1994; Oltu, Uzunoluk, 1400 m, 30.VIII.1996; Pasinler, 1600 m, 17.VII.1993; Üniversite, 1850 m, 21.VI.1994; 5.IX.1990, leg. İ. ASLAN; İçel: Erdemli, Aydınlar, 6.VI.1992, leg. G. GILLERFORS.

General distribution: Europe, Caucasus, Turkey, Near East, Eastern Mediterranean, Kazakhstan, Central Asia, Siberia, Mongolia, Korea, Japan, Himalayas, Northwest Africa.

L. suturellus (DUFTSCHMID, 1825)

Haltica suturella DUFTSCHMID, Fn. Austr., 3: 262; *Longitarsus suturellus*: TUATAY et al., 1972.

Distribution in Turkey: Asian Turkey: Ceylanpınar (Şanlıurfa) (21).

Material examined: Erzincan: Kemaliye, Sandıkköyü, 21.VII.1984, leg. H. ÖZİŞİK; Erzurum: Kandilli, 25.VI.1992; Üniversite, 21.VI.1994, leg. İ. ASLAN.

General distribution: All Europe, All Asia.

L. tabidus (FABRICIUS, 1775)

Altica tabida FABRICIUS, Syst. Ent, p.155; *Thyamis verbasci*: ANONYMOUS, 1907; *Longitarsus tabidus*: HEIKERTINGER, 1930; TÖLG; 1938; CSIKI and HEIKERTINGER, 1940; ÖZBEK et al., 1996.

Distribution in Turkey: Turkey (26); Asian Turkey: Asia Minor (13, 15), Bursa (19), Kağızman (Kars) (10).

Material examined: Antalya: Kemer, 31.V.1991, and Perge, 30.V.1991, leg. G. GILLERFORS; Erzurum: Dumlu, 1900 m, 28.VII.1994; Ilica, Kandilli, 1600 m, 22.VIII.1996; Narman, 1400 m, 30.VI.1989; Ilica, Rizekent, 1900 m, 18.VIII.1995; Olur, Süngübayır, 1850 m, 1.IX.1993; Pasinler, 1600 m, 15.VI.1996, 27.VIII.1996, leg. İ. ASLAN; Kars, 16.VI.1982, leg. H. ÖZİŞİK.

General distribution: Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, Kazakhstan, Central Asia, Mongolia, Northwest Africa.

L. trepidus WARCHALOWSKI, 1973

L. trepidus WARCHALOWSKI, Pol. Pis. Ent., 43: 674–676; GRUEV and KASAP, 1985; BIONDI, 1992; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Gıcık Köyü (Ankara), Kayseri (6), between Ardahan and Göle, Tufanbeyli (Adana), Balaban, Darende (Malatya), Başkale (Mersin), Toroslar, Halkapınar, İvrizgöl (Konya) (7), Yarpuz, Akseki (Antalya) (31).

Material examined: Erzurum: Ilica, Rizekent, 1800 m, 18.VIII.1995; Pasinler, Rabat, 2200 m, 15.VIII.1995, leg. İ. ASLAN.

General distribution: Iran, Turkey, Caucasus, Afghanistan.

L. truncatellus WEISE, 1890

L. truncatellus WEISE, Wien. Ent. Zeit., 9: 115; FURTH, 1979.

Distribution in Turkey: Asian Turkey: İzmir (89).

General distribution: Greece, Turkey, Jordan, Israel.

L. violentus WEISE, 1893

L. violentus WEISE, Naturgesch. Ins. Deutschl., Col. 6: 1016; WARCHALOWSKI, 1974.

Distribution in Turkey: Asian Turkey: Asia Minor (90).

General distribution: Caucasus, Turkey, Iran, Afghanistan, Kazakhstan, Central Asia, Siberia, Mongolia, Northern China.

Genus: *Mantura* STEPHENS, 1831

M. chrysanthem (KOCH, 1803)

Haltica chrysanthem KOCH, Ent. Hefte, 2: 45; *Mantura chrysanthem*: MEDVEDEV, 1975.

Distribution in Turkey: Asian Turkey: Yatağan, Marmaris (Muğla) (3).

General distribution: Europe, Turkey, Northwest Africa.

M. cylindrica MILLER, 1880

M. cylindrica MILLER, Verh. zool–bot. Ges. Wien, 30: 2, CSIKI and HEIKERTINGER 1940; HEIKERTINGER, 1951.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Amasya (46).

General distribution: Southeastern Europe, Italy, Turkey.

M. rustica (LINNAEUS, 1766)

Chrysomela rustica LINNAEUS, Syst. Nat., ed. 12: 595; *Mantura rustica*: APFELBECK, 1901, 1916; HEIKERTINGER, 1951; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul, Yeşilköy (Kırklareli) (17, 28), İstanbul (46); Asian Turkey: İstanbul Boğaziçi (46), Bağlum Köyü, Faikli (Ankara), Mt. Sultan (Konya), Gürün (Sivas), Yerköy (Yozgat) (6).

Material examined: Erzurum: Ilica, Kandilli, 1650 m, 25.VI.1994; Pasinler, 1600 m, 4.VI.1993; Uzundere, Dikyar, 1450 m, 24.V.1994; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Afghanistan, Kazakhstan, Central Asia, Siberia, Mongolia, China.

Genus: *Mniophila* STEPHENS, 1831

M. muscorum turcica MEDVEDEV, 1970

M. muscorum turcica MEDVEDEV, Rev. Suisse de Zool., 77, 2, 22: 317.

Distribution in Turkey: Asian Turkey: Rize (between Yolüstü and Rize, locus typicus), Hopa (Artvin), Arhavi (Rize) (2).

General distribution: Turkey.

Genus: *Neocrepidodera* HEIKERTINGER, 1911

N. crassicornis (FALDERMANN, 1837)

Haltica crassicornis FALDERMANN, Fn. Transc., 2: 313, 536; *Crepidodera crassicornis*: MEDVEDEV, 1970.

Distribution in Turkey: Asian Turkey: Çarşamba (Samsun) (2).

Material examined: Erzurum: Hamamderesi, 1800 m, 10.VIII.1993; Olur, Süngübayır, 1850 m, 24.VII.1996; Uzundere, Dikyar, 1450 m, 21.VII.1993; 31.VII.1993, leg. İ. ASLAN.

General distribution: Southern and Southeastern Europe, Caucasus, Turkey, Kazakhstan.

N. ferruginea (SCOPOLI, 1763).

Chrysomela ferruginea SCOPOLI, Ent. Carniol., p. 70; *Crepidodera ferruginea* ANONYMOUS, 1907; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (26); Asian Turkey: Asia Minor (13), Bağlum Köyü, Sakarya, Kızılcahamam (Ankara), Ereğli (Konya), Pınarbaşı (Kayseri) (6).

Material examined: Antalya: Side, 12.VII.1992, leg. H. ÖZBEK; Erzurum: Abdurrahmangazi, 2100 m,

14.VII.1992; İspir, Madenköprübaşı, 1400 m, 7.VII.1996; Olur, Süngübayır, 1850 m, 26.VII.1995; 24.VII.1996; Palandöken, 2300 m, 18.VII.1979; Pasinler, 1600 m, 11.VIII.1992; 8.VIII.1995; Uzundere, 1100 m, 12.VIII.1993; Dikyar, 1450 m; 31.VII.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran.

N. impressa (FABRICIUS, 1801)

Galleruca impressa FABRICIUS, Syst. El., 1: 496; *Crepidodera impressa*: ANONYMOUS, 1907; *Asiolestia impressa*: DOGUET, 1994.

Distribution in Turkey: Turkey (2, 91).

General distribution: Southern Europe, Turkey, England, Mediterranean.

N. motschulskyi KONSTANTINOV, 1991

Asiolestia motschulskyi KONSTANTINOV, Journ. Zool., Moscow, 4: 143–144 GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Erzurum (31).

Material examined: Erzurum: Oltu, 1350 m, 23.VI.1993; Dutlu, 1200 m, 26.VI.1997; Palandöken, 2300 m, 6.VIII.1996; Şenkaya, Turnalı, 1750 m, 25.VII.1996, leg. İ. ASLAN; Üniversite, 1850 m, 27.VI.1983, leg. H. ÖZİŞİK.

General distribution: Europe, Caucasus, Turkey.

N. nigritula (GYLLENHAL, 1813)

Haltica nigritula GYLLENHAL, Ins. Suec., 3: 557; *Crepidodera nigritula*: HEIKERTINGER, 1948–1950 (1948).

Distribution in Turkey: European Turkey: İstanbul Boğazı (44).

General distribution: Europe.

N. transversa (MARSHAM, 1802)

Chrysomela transversa MARSHAM, Ent. Brit., 1: 203; *Crepidodera transversa*: TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Hasanoğlan (Ankara) (4, 6), Ladik (Samsun) (4), Beytepe (Ankara), Yıldızeli, Pamukpınarı (Sivas) (6).

Material examined: Erzurum: Oltu, Çamlıbel, 1750 m, 14.VII.1996; 7.IX.1995; Şenkaya, Turnalı, 1750 m, 16.IX.1996, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Cyprus,

Genus: *Ochrosis* FOUDRAS, 1860

O. ventralis (ILLIGER, 1807)

Haltica ventralis ILLIGER, Mag. Ins., 6: 58, 111; *Ochrosis krueperi*: WEISE, 1897; APFELBECK, 1901, 1916; PIC, 1909; *O. ventralis* var. *krueperi*: CSIKI and HEIKERTINGER, 1940; *O. ventralis krueperi*: KRAL, 1967; *O. ventralis krueperi*: GRUEV and KASAP, 1985; *O. ventralis*: ÖZBEK et al., 1996.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (17, 28); European Turkey (13); Asian Turkey: Anatolia (11), Akbaşı (Hatay) (92), Kayalı (İstanbul), Beynam, Ankara Barajı, Mogan Lake, Hasanoğlan (Ankara) (20), Bağlum Köyü, Çubuk Barajı (Ankara), Gömaç İstasyonu (Kayseri), Yıldızeli (Sivas) (6), Erzincan, İspir (Erzurum), Iğdır, Kağızman (Kars) (10).

Material examined: Erzurum: Aşkale, Pınrakapan, 13.VIII.1997; Ilica, Kandilli, 1650 m, 22.VIII.1996; İspir, Madenköprübaşı, 18.VI.1994; Üniversite, 21.VI.1994, leg. İ. ASLAN; Kars, 21.VI.1984, leg. H. ÖZİŞİK.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, North Africa, Macaronesia.

Genus: *Orestia* GERMAR, 1845

O. loebli BIONDI, 1992

O. loebli BIONDI, Fragm. Entomol., Roma, 23, 2: 346–348.

Distribution in Turkey: Asian Turkey: Zonguldak (Ereğli, Ballıköy; locus typicus) (7).

General distribution: Turkey.

O. olympica FRIVALDSZKY, 1884

O. olympica FRIVALDSZKY, Termeszetr. Füsetek, 8: 7; HEIKERTINGER, 1910, 1924, 1930, 1948–1950 (1950); CSIKI and HEIKERTINGER, 1940; BIONDI, 1992.

Distribution in Turkey: Asian Turkey: Bythin Olymp (locus typicus) (15, 22, 57, 93, 94), Bursa (93), Uludağ (Bursa) (7).

General distribution: Turkey.

O. oselliana LEONARDI, 1977

O. oselliana LEONARDI, Atti Soc. Ital. Sci. nat. Sci. nat. Mus. civ. Stor. nat e Acquario civ. Milano, 68, 1–2: 124–129.

Distribution in Turkey: Asian Turkey: Mt. Ilgaz (Bolu; locus typicus) (95).

General distribution: Turkey.

Genus: *Phyllotreta* CHEVROLAT, 1837

Ph. acutecarinata HEIKERTINGER, 1941

Ph. acutecarinata HEIKERTINGER, Kol. Rundschau, 27: 81; GRUEV, 1977, 1991.

Distribution in Turkey: Asian Turkey: Konya (96, 97).

General distribution: Eastern Europe, Turkey, Afghanistan.

Ph. astrachanica LOPATIN, 1977

Ph. diademata astrachanica LOPATIN, New and little known species of insects of the European part of the USSR–Leningard, p. 32–33; *Ph. astrachanica*: GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Atatürk Orman Çiftliği (Ankara) (6).

Material examined: Artvin: Zeytinlik, 9.VII.1998, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Kazakhstan, Cyprus.

Ph. atra (FABRICIUS, 1775)

Altica atra FABRICIUS, Syst. Ent., p. 116; *Phyllotreta atra*: BODEMEYER, 1900; CSIKI and HEIKERTINGER, 1940; KRAL, 1967; MEDVEDEV, 1970; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: Edirne (20); Asian Turkey: Sapanca (İzmit) (35), Asia Minor (13, 98), Ankara Barajı, Mogan Lake, Hasanoğlan (Ankara) (20), Elmalık, Bakacak, Mataracı (Bolu) (2), Bağlum Köyü, Atatürk Orman Çiftliği, Temelli, Kayaş (Ankara), Aksaray, Gömaç İstasyonu, Gezi, Bünyan (Kayseri), Seyfik Köyü, Hafik (Sivas) (6).

Material examined: It is very common in Erzurum provinces (Olur, Oltu, Narman, Uzundere, Tortum, Dumlu, Pazaryolu, İspir, Aşkale, Pasinler, Horasan, Çat, Tekman, Hınıs, Karayazı, Köprüköy), leg. İ. ASLAN and H. ÖZİŞİK; Bayburt: Demirözü, 23.VI.1992; Kopdağı, 13.VIII.1997, leg. İ. ASLAN, Trabzon, 20.V.1982, leg. H. ÖZBEK.

General distribution: Europe, Asia (excl. Japan), Morocco.

Ph. balcanica HEIKERTINGER, 1909

Ph. balcanica HEIKERTINGER, Verh. zool.–bot. Ges. Wien, 59: 291; 1911, 1930, 1941; CSIKI and HEIKERTINGER, 1940; *Ph. crassicornis*: BODEMEYER, 1900; *Ph. adanensis*: PIC, 1910; *Ph. adanensis* var. *anatolica*: PIC, 1910 a.

Distribution in Turkey: Asian Turkey: Sapanca (İzmit) (35, 55), Bursa (13, 99), Adana (13, 33, 55), Asia Minor (15, 98).

Material examined: Erzurum, Pasinler, Kotandüzü, 28.V.1996, leg. İ. ASLAN; Ordu: Merkez, 25.VII.1991; Çerliköyü, 29.VI.1992; Yaraşlı Köyü, 20.VI.1991, leg. G. TOZLU.

General distribution: Eastern, Southeastern and Southern Europe, Caucasus, Turkey, Afghanistan, Kazakhstan, Central Asia.

Ph. bolognai BIONDI, 1992

Ph. bolongai BIONDI, *Fragm. Entomol.*, Roma, 23, 2: 349.

Distribution in Turkey: Asian Turkey: Erzurum, Mt. Kop (locus typicus) (7).

General distribution: Turkey.

Ph. caucasicola HEIKERTINGER, 1941

Ph. caucasicola HEIKERTINGER, *Kol. Rudschau*, 27, 4–6: 88; KRAL, 1967.

Distribution in Turkey: Asian Turkey: Çamlıdere in Işit Mt. (Ankara) (20).

General distribution: Caucasus, Turkey, Iraq.

Ph. corrugata REICHE, 1858

Ph. corrugata REICHE, *Ann. Soc. Ent. Fr.*, 3, 6: 46; WEISE, 1897; BODEMEYER, 1900; MEDVEDEV, 1970; KISMALI, 1973; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Anatolia (11), Akşehir (Konya) (35), Adana, Karahisali (Adana), Soğukoluk, İskenderun (Hatay) (2), Bornova, Torbalı, Selçuk (İzmir) (1), Sivrihisar (Konya), Eryaman, Karşıyaka, Temelli, Kayaş, Ayaş (Ankara), Yerköy (Yozgat), Bünyan (Kayseri), Paşabahçe (Sivas) (6).

General distribution: Southern and Southeastern Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, North Africa.

Ph. cruciferae (GOEZE, 1777)

Chrysomela cruciferae GOEZE, *Ent. Beytr.*, 1: 312. *Phyllotreta cruciferae*: WEISE, 1897; BODEMEYER, 1900; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1941; KRAL, 1967; MEDVEDEV, 1970; KISMALI, 1973; GRUEV and KASAP, 1985; *Ph. pecciloceras*: GANGLBAUER, 1905.

Distribution in Turkey: Asian Turkey: Anatolia (11), Bozhoyük (Bilecik) (35), Karaköy (Çorum) (58), Konya, Bursa, Eskişehir, Belededik (19), Asia Minor (13, 98), Mt. Tauros, Bürücek (Adana) (20), Turhal, Ezinepazarı (Amasya), Elmalık, Bakacak (2), Çatalkaya, Halkpınarı, Narlıdere, Bergama, Çeşme, Bornova, Karşıyaka (İzmir) (1), Eryaman, Mogan Lake (Ankara), Akşehir (Konya), Kulu (Manisa), Bor (Niğde) (6).

Material examined: It is very common in Erzurum provinces (Olur, Oltu, Narman, Uzundere, Tortum, Dumlu, Pazaryolu, İspir, Aşkale, Pasinler, Horasan, Çat, Tekman, Hınıs, Karayazı, Köprüköy), leg. İ. ASLAN; Trabzon; Esiroğlu, 26.VII.1992, leg. İ. AYDIN.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, Mongolia, Africa southward to Sudan, India.

Ph. dacica HEIKERTINGER, 1941

Ph. dacica HEIKERTINGER, *Kol. Rudschau*, 27, 4–8: 89–90; BIONDI, 1992 a.

Distribution in Turkey: Asia Turkey: Konya (98, 100).

General distribution: Eastern and Southeastern Europe, Azerbaijan, Turkey.

Ph. diademata FOUDRAS, 1860

Ph. diademata FOUDRAS, *Ann. Soc. Linn. Lyon* (n.s.), p. 345, 369; BODEMEYER, 1900; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1941; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Sapanca (İzmit) (35), Pursak Çayı (Eskişehir) (19), Asia Minor (13, 98), Mogan Lake, Hasanoğlu (Ankara), Karataş (Adana) (20), Aksaray (6).

Material examined: Erzincan: 2.VI.1991; Erzurum: Dumlu, 1900 m, 28.VII.1994; İlica, Kandilli, 1650 m, 25.VI.1982; 22.VIII.1996; İspir, Madenköprübaşı, 1400 m, 7.VII.1996, leg. İ. ASLAN; Oltu, 1350 m, 20.VI.1988; 10.VIII.1989, leg. E. YILDIRIM; Pasinler, 1600 m, 6.VI.1994; Tortum, Aşağı Meydanlar, 1750 m, 21.V.1995; Üniversite, 1850 m, 31.VIII.1996, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Iraq, Afghanistan, Central Asia, India.

Ph. egridirensis GRUEV et KASAP, 1985

Ph. egridirensis GRUEV et KASAP, *Dsch. ent. Z.*, N.F., 32, 1–3: 60–61; BIONDI, 1992.

Distribution in Turkey: Asian Turkey: Yaka Köyü, Eğridir (Isparta; locus typicus) (6), Halkpınarı (Konya), Toros Dağları nr. Tufanbeyli (Adana) (7).

General distribution: Turkey, Iran.

Ph. erysimi WEISE, 1900

Ph. erysimi WEISE, *Deutsch. Ent. Zeitschr.*, p. 138; BODEMEYER, 1900; CSIKI and HEIKERTINGER, 1940; KRAL, 1967; MEDVEDEV, 1970; DOGUET, 1984; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey (98); Asian Turkey: Asia Minor (13, 35), Konya (23, 101), Mogan Lake (Ankara) (20), between Vakfikebir (Trabzon) and Kavak (Samsun) (2), Kulu (Manisa), Gıcık Köyü, Beytepe, Temelli, Ayaş (Ankara), Yaka Köyü, Eğridir (Isparta) (6).

Material examined: Antalya: 20 km, S. Elmalı, 2.VI.1992, leg. G. GILLERFORS; Bayburt, 11.VII.1992, leg. İ. ASLAN; Erzurum: Horasan, Karaçuha, 1600 m, 31.V.1981, leg. H. ÖZİŞİK; Ispir, Madenköprübaşı, 1400 m, 7.VII.1996; Ilica, Atlıkonak, 1750 m, 11.IX.1996; Kandilli, 1650 m, 25.VI.1992; 22.VIII.1996; Oltu, 1350 m, 4.VI.1992; Dutlu, 26.VI.1997; Olur, Süngübayır, 1850 m, 13.V.1995; 21.V.1995; 24.VII.1996; Palandöken, 2300 m, 6.VIII.1996; Pasinler, 4.VI.1993; Pazaryolu, 1200 m, 18.VI.1994; 27.VIII.1996; Şenkaya, Turnalı, 1750 m, 29.VI.1994; Uzundere, Gölbaşı Yaylası, 2100 m, 16.VI.1995; Üniversite, 1850 m, 17.V.1982; 21.VI.1994; 18.VII.1993; 24.VIII.1993, leg. İ. ASLAN.

General distribution: Eastern and Southeastern Europe, Caucasus, Turkey, Iran, Israel, Kazakhstan, Central Asia, Mongolia.

Ph. fallaciosa HEIKERTINGER, 1941

Ph. fallaciosa HEIKERTINGER, Kol. Rundschau, 27, 4–6: 76–77.

Distribution in Turkey: Asian Turkey: Bolkar Mt. (Niğde) (98).

General distribution: Mediterranean Europe, Asia and Africa.

Ph. judaea PIC, 1901

Ph. judaea PIC, Echange, 17: 27; GRUEV and KRAL, 1975.

Distribution in Turkey: Asian Turkey: Çeşme (Izmir) (88).

General distribution: Bulgaria, Turkey, Armenia, Iran, Israel, Jordan.

Ph. latevittata KUTSCHERA, 1860

Ph. latevittata KUTSCHERA, Wien. Ent. Monatschr., 4: 307; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Kağızman (Kars) (31).

Material examined: Erzurum: Oltu, Anzavderesi, 950 m, 5.VII.1995, leg. İ. ASLAN; Iğdır, D.Ü.Ç., 21.VI.1982, leg. H. ÖZİŞİK.

General distribution: Greek Islands, Italy, Malta, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, China.

Ph. maculicornis PIC, 1906

Ph. maculicornis PIC, Echange, 22: 35; HEIKERTINGER, 1941.

Distribution in Turkey: Asian Turkey: Asia Minor (98).

General distribution: Syria, Turkey.

Ph. nemorum (LINNAEUS, 1758)

Chrysomela nemorum LINNAEUS, Syst. Nat., ed. 10: 373; *Phyllotreta nemorum*: WEISE 1897; GANGLBAUER, 1905; ANONYMOUS, 1907; HEIKERTINGER, 1930, 1941; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; KRAL, 1967; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: Istanbul (26), Edine (20); Asian Turkey: Anatolia (11), Karaköy (Çorum), Bozhoyük (Bilecik) (58), Asia Minor (13, 15, 98), Pursak Çayı (Eskişehir) (19), Çamlıdere, Mt. Işık (Ankara) (20), Pamukpınar, Yıldızeli (Sivas) (6).

Material examined: Bayburt, 11.VII.1992, leg. İ. ASLAN; Erzincan, B. K. Arş. Enst., 7. VII.1993, leg. İ. ASLAN; Erzurum: Aşkale, 21.VII.1993, leg. İ. ASLAN; Narman, 1400 m, 30.VI.1989; Oltu, 1350 m, 7.VI.1989, leg. E. YILDIRIM; Olur, Süngübayır, 1850 m, 24.VII.1996, leg. İ. ASLAN; Şenkaya, 1500 m, 26.VII.1988; 10.VIII.1989; Pasinler, 1600 m, 4.VI.1983, leg. H. ÖZİŞİK; 9.VIII.1993; Tortum, Gökdere, 1300 m, 20.VI.1995; Uzundere, Dikyar, 1450 m, 17.VI.1995; Üniversite, 9.VI.1983; 21.VI.1994, leg. İ. ASLAN; Beikoz, IX. 1902 (ex coll. British Museum).

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, Siberia, Korea.

Ph. nigripes (FABRICIUS, 1775)

Altica nigripes FABRICIUS, Syst. Ent., p. 113; *Phyllotreta nigripes*: BODEMEYER, 1900; GANGLBAUER, 1905; SAHLBERG, 1913; HEIKERTINGER, 1930, 1941; CSIKI and HEIKERTINGER, 1940; KRAL, 1967; TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985; ÖZBEK et al., 1996.

Distribution in Turkey: European Turkey: Edirne (20); Asian Turkey: Karaköy, Bozhoyük (Bilecik) (58), Asia Minor (13, 15, 35, 36, 98), Mogan Lake, Hasanoğlan, Beynam (Ankara), Erciyes (Kayseri), İncesu, Bürücük, Mt. Tauros, Alahan (Adana) (20), Kavaklıdere (Ankara), Antakya (Hatay) (4), Ayaş, Karşıyaka, Atatürk Orman Çiftliği, Etimesgut, Temelli, Bağlum Köyü, Gıcık Köyü, Tüney Köyü, Kalecik (Ankara), Bünyan (Kayseri), Mt. Bolkar; Kulu (Manisa), Sorgun (Yozgat), Küllük Köyü (Sivas) (6), Kağızman (Kars) (10).

Material examined: Antalya: Termesos, 28.V.1989, leg. G. GILLERFORS; It is very common in Erzurum provinces (Olur, Oltu, Narman, Uzundere, Tortum, Dumlu, Pazaryolu, İspir, Aşkale, Pasinler, Horasan, Çat, Tekman, Hınıs, Karayazı, Köprüköy), leg. İ. ASLAN and H. ÖZİŞİK; Bayburt: Kopdağı, 13.VIII.1997; 17.VIII.1996, leg. İ. ASLAN; Erzincan: 12.VI.1982, leg. H. ÖZBEK; Kars, 18.VII.1980, leg. H. ÖZİŞİK; Sarıkamış, Kalebaşı, 21.VIII.1997; Iğdır: Aşağıçamurlu, 23.VIII.1997, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Afghanistan, Eastern Mediterranean, Kazakhstan, Central Asia, North Africa.

Ph. nodicornis (MARSHAM, 1802)

Chrysomela nodicornis MARSHAM, Ent. Brit., 1: 204; *Phyllotreta nodicornis*: HEIKERTINGER, 1930, 1941; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 15, 98), Eskişehir (19), Ankara, Beytepe (Ankara), Kulu (Manisa), Küllük (Sivas) (6).

Material examined: Erzurum: Pasinler, 15.VII.1987, leg. H. ÖZBEK.

General distribution: Central and Southern Europe, Caucasus, Turkey, India.

Ph. ochripes (CURTIS, 1837)

Haltica ochripes CURTIS, Brit. Ent., 14: 630; *Phyllotreta horticola*: ANONYMOUS, 1907; *Ph. ochripes*: APFELBECK, 1916; HEIKERTINGER, 1941; MEDVEDEV, 1970.

Distribution in Turkey: European Turkey: İstanbul (17, 26); Asian Turkey: Asia Minor (98), Görele (Giresun) (2).

General distribution: Europe, Caucasus, Turkey, Iran, Siberia.

Ph. oltuensis GRUEV et ASLAN, 1998

Ph. oltuensis GRUEV et ASLAN, 1998, Türk. entomol. derg., 22 (3): 163–169.

Distribution in Turkey: Anzavderesi, Oltu (Erzurum) 900 m (locus typicus) (72).

General distribution: Turkey.

Ph. ozbeki GRUEV et ASLAN, 1998

Ph. ozbeki GRUEV et ASLAN, 1998, Türk. entomol. derg., 22 (3): 163–169.

Distribution in Turkey: Kopdağı, Bayburt, 2300 m, (locus typicus) (72).

General distribution: Turkey.

Ph. pallidipennis REITTER, 1891

Ph. pallidipennis REITTER, Deutsche Ent. Zeitschr., p. 35; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Kayseri (6).

General distribution: Southeastern Europe, Caucasus, Turkey, Iran, Kazakhstan, Central, Asia, Siberia, Mongolia, Tibet.

Ph. pontoaegica GRUEV, 1982

Ph. pontoaegica GRUEV, Dt. Entomol. Z., N. F., 29, 1–3: 100; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Side, Gülnar (Mersin) (31)

General distribution: Bulgaria, Greece, Turkey.

Ph. praticola WEESE, 1887

Ph. praticola WEISE, Deutsche Ent. Zeitschr., 31: 311–333, KRAL, 1967; *Ph. fucata*: CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: İstanbul Boğazı (13) Erciyes (Kayseri) (20).

Material examined: It is very common in Erzurum provinces (Olur, Oltu, Narman, Uzundere, Tortum, Dumlu, Pazaryolu, İspir, Aşkale, Pasinler, Horasan, Çat, Tekman, Hınıs, Karayazı, Köprüköy), leg. İ. ASLAN.

General distribution: European Russia, Caucasus, Turkey, Iran, Afghanistan, Kazakhstan, Central Asia, Southern Siberia, Mongolia, China, India.

Ph. procera (REDTENBACHER, 1849).

Haltica procera REDTENBACHER, Fn. Austr., p. 530; *Phyllotreta procera*: WEISE, 1881–1893 (1888), 1897; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1941; KRAL, 1967.

Distribution in Turkey: Asian Turkey: Asia Minor (22, 98), Anatolia (11), Eskişehir (19), Ankara Barajı, Hasanoğlan, Mogan Lake (Ankara), Beyşehir Lake (Konya), Bürücek, Mt. Tauros (Adana) (20).

Material examined: Erzurum: Çat, 1700 m, 11.VIII.1994, leg. İ. ASLAN; Horasan, 1500 m, 23.VI.1989; Narman, 1400 m, 29.VI.1988; Oltu, 1350 m, 1.VIII.1989, leg. E. YILDIRIM; Çamlıbel, 1750 m, 7.IX.1995; Uzunoluk, 1450 m, 30.VIII.1996; Olur, Süngübayır, 1850 m, 13.V.1995; 10.VII.1994; 24.VII.1996; 26.VII.1994; 27.VII.1995; 20.VIII.1992; 1.IX.1993; Palandöken, 2300 m, 6.VIII.1996; 19.VIII.1993; Pasinler, 1600 m, 15.VII.1997; 17.VII.1990; 6.VIII.1994; Şenkaya, 1500 m,

10.VIII.1992; Turnalı, 1750 m, 28.VII.1996; Tortum, Aşağı Meydanlar, 1750 m, 24.VIII.1993; Üniversite, 1850 m, 2.VIII.1992, leg. İ. ASLAN; Erzincan: Kemaliye, 20.V.1983, leg. H. ÖZİŞİK.

General distribution: Central and Southern Europe, Caucasus, Turkey, Eastern Mediterranean, Iran, Central Asia.

Ph. punctulata (MARSHAM, 1802)

Chrysomela punctulata MARSHAM, Ent. Brit., p. 200; *Phyllotreta aerea*: APFELBECK, 1901, 1916; HEIKERTINGER, 1930, 1941; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (28), İstanbul (17); Asian Turkey: Asia Minor (13, 15), Eskişehir Çiftlik, Mudanya (Bursa), Marmara Denizi (İstanbul) (19).

Material examined: Girusen, 12.VII.1995, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Israel, Morocco.

Ph. sisymbrii WEISE, 1888

Ph. sisymbrii WEISE, Naturgesch. Ins. Deutschl., Col. 6: 860; HEIKERTINGER, 1941.

Distribution in Turkey: Asian Turkey: Asia Minor (11), Ankara (98).

Material examined: Erzurum: Köprüköy, Yağan, 1700 m, 10.VIII.1994, leg. İ. ASLAN; Şenkaya, Turnalı, 1750 m, 28.VII.1994, leg. E. YILDIRIM; Pasinler, Büyükdere, 1900 m, 10.VIII.1994, leg. İ. ASLAN.

General distribution: Caucasus, Turkey, Iran, Southern Russia.

Ph. striolata (FABRICIUS, 1803)

Crioceris striolata FABRICIUS, Index Syst. Eleuth., p. 38.

Material examined: Palandöken, Erzurum, 6.VIII.1996; Pasinler, 1600 m, 17.VI.1990; 6.VIII.1994, leg. İ. ASLAN.

General distribution: Europe, Palaearctic and Oriental Asia, Sumatra.

NEW TO TURKEY.

Ph. tetrastigma (COMOLLI, 1837)

Altica tetrastigma COMOLLI, Col. nov. prov. Novocom., p. 47.

Material examined: Artvin, Karagöl, Borçka, 15.VI.1995, leg. İ. ASLAN; Erzurum: Uzundere, Dikyar, 1450 m, 10.VII.1994, leg. İ. ASLAN.

General distribution: Europe, Western and Central Siberia.

NEW TO TURKEY,

Ph. toelgi HEIKERTINGER, 1941

Ph. toelgi HEIKERTINGER, Kol. Rundschau, 27, 4–6: 110–111.

Distribution in Turkey: Asian Turkey: Eskişehir (locus typicus) (98).

General distribution: Turkey.

Ph. undulata KUTSCHERA, 1860

Ph. undulata KUTSCHERA, Wien. Ent. Monatschr., 4: 301; WEISE, 1897; GANGLBAUER, 1905; HEIKERTINGER, 1930, 1941; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: European Turkey: İstanbul (19); Asian Turkey: Anatolia (11), Karaköy, Bozhoyük (Bilecik) (58), Asia Minor (13, 15, 98), Eskişehir Çiftlik (19).

Material examined: Erzurum: Ilica, Kandilli, 1650 m, 22.VIII.1996; İspir, Madenköprübaşı, 1400 m, 6.VI.1993; 7.VIII.1996; Palandöken, 2300 m, 9.VII.1996, leg. İ. ASLAN; Pasinler, 1600 m, 4.VI.1983; 1.VII.1983, leg. H. ÖZİŞİK; 9.VII.1994; 8.VIII.1995, Uzundere, Gölbaşı Yaylası, 2100 m, 13.VIII.1994; Dikyar, 1450 m, 21.V.1994; 17.VI.1995; 30.VI.1996; 10.VII.1994; Üniversite, 1850 m, 21.VI.1994, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Central Asia, Siberia.

Ph. variipennis (BOIELDIEU, 1859)

Haltica variipennis BOIELDIEU, Ann. Soc. Ent. Fr., 3, 7: 477; *Phyllotreta variipennis*: WEISE, 1897; ANONYMOUS, 1907; TÖLG, 1938; HEIKERTINGER, 1941; KRAL, 1967; KISMALI, 1973; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (26); Asian Turkey: Anatolia (11), Eskişehir Çiftlik, Küçük Çekmece (19), Asia Minor (98), Ankara Barajı (Ankara) (20), İzmir (1), Eğridir (Isparta) (6).

General distribution: Southern and Southeastern Europe, Turkey, Iran, Eastern Mediterranean, Northwest Africa, Macaronesia.

Ph. vilis WEISE, 1888

Ph. vilis WEISE, Naturgesch. Ins. Deutschl., Col. 6: 861; HEIKERTINGER, 1930, 1941; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: İzmir (22, 92), Asia Minor (13, 15, 98), Küçük Çekmece (19).

General distribution: Southeastern Europe, Italy, Turkey.

Ph. vittula (REDTENBACHER, 1849)

Haltica vittula REDTENBACHER, Fn. Austr., p. 532; *Phyllotreta vittula*: CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1911; KRAL 1967.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 98), Çamlıdere, Işık Mt, Ankara Barajı, Hasanoğlan (Ankara), (20).

Material examined: Erzurum: Merkez, Dutçu, 30.VI.1993; Ilica, Atlıkonak, 1700 m, 11.IX.1996; Kadilli, 1600 m, 22.VIII.1996; Rizekent, 1900 m, 18.VIII.1995; leg. İ. ASLAN; Oltu, 1350 m, 3.VI.1988, leg. H. ÖZBEK; Pasinler, 1600 m, 17.VIII.1993; 4.VIII.1993; 6.VIII.1994, leg. İ. ASLAN; 25.VIII.1983, leg. H. ÖZBEK; Rabat, 2200 m, 15.VIII.1995; 11.VII.1996, leg. İ. ASLAN; Söğütlü, 1800 m, 12.VIII.1983, leg. H. ÖZBEK; Şenkaya, 1500 m, 10.VII.1991; Uzundere, Dikyar, 1450 m, 8.IX.1996; Üniversite, 1850 m, 17.V.1995; 2.VIII.1993; 5.VIII.1996; 24.VIII.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Afghanistan, Kazakhstan, Central Asia, Siberia, Mongolia, Korea, China.

Ph. wiseana JACOBSON, 1901

Ph. wiseana JACOBSON, Oef. Finska Förh., 43: 141; KRAL, 1967.

Distribution in Turkey: Asian Turkey: Mogan Lake, Ankara Barajı (Ankara) (20).

Material examined: Bayburt: Kopdağı, 17.VIII.1996, leg. İ. ASLAN; Erzurum: 4.VIII.1983, leg. H. ÖZBEK; Palandöken, 7.VIII.1993; Üniversite, 2.VIII.1993; 9.VIII.1993, leg. İ. ASLAN.

General distribution: Southeastern Europe, Caucasus, Turkey, Iran, Kazakhstan.

Genus: *Podagrica* CHEVROLAT, 1837

P. fuscicornis (LINNAEUS, 1766)

Chrysomela fuscicornis LINNAEUS, Syst. Nat., ed. 12: 595; *Podagrica fuscicornis*: ANONYMOUS, 1907; SAHLBERG, 1913; GRUEV and KASAP, 1985.

Distribution in Turkey: European Turkey: İstanbul (26); Asian Turkey: Mt. Yamanlar (İzmir) (36), Manyas Kuş Cenneti (Balıkesir) (6).

General distribution: Central and Southern Europe, Caucasus, Turkey, Eastern Mediterranean.

P. malvae (ILLIGER, 1807)

Haltica malvae ILLIGER, Mag. Ins., 6: 63, 159; *Podagrica saracena*: WEISE, 1897; *P. malvae*: ANONYMOUS, 1907; SAHLBERG, 1913; TÖLG, 1938; KERVILLE, 1939; CSIKI and HEIKERTINGER, 1940; KRAL 1967; MEDVEDEV, 1970; TUATAY et al., 1972; TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985; *P. malvae* var. *saracena*: CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951.

Distribution in Turkey: European Turkey: Yeşilköy (Kırklareli) (38); Asian Turkey: Anatolia (11), Baraj, Kayseri, Tarsus, Mt. Bolkar (36), Konya, Bursa, Küçük Çekmece, Eskişehir (19), Asia Minor (13, 46, 54), Ankara Barajı (Ankara) (20), Silifke (Mersin), Southeastern Turkey (2), Ereğli (Konya), Kayseri, Manisa (21), Ayaş (Ankara) (4), Bağlum Köyü, Atatürk Orman Çiftliği, Çubuk Barajı (Ankara), Narlıdere (İzmir), Hafik (Sivas) (6).

Material examined: Artvin: Demirkent, Yusufeli, 450 m, 6.VII.1994, leg. İ. ASLAN; Iğdır, 19.VI.1981, leg. H. ÖZBEK; Giresun, 20.V.1980, leg. H. ÖZBEK; İzmir: Doğancay, 12.IV.1995, leg. İ. ASLAN; Erzurum: İspir, 1600 m, 8.VIII.1994; Alacabük, 1800 m, 8.VIII.1994; Akdağ, 2100 m, 8.VIII.1994; Madenköprübaşı, 1400 m, 18.VI.1994; 7.VII.1996; Oltu, Anzavderesi, 950 m, 31.VII.1996; Olur, Sünbübayır, 1850 m, 1.IX.1993, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean Transcaucasus.

P. menetriesi (FALDERMANN, 1837)

Triplax menetriesi FALDERMANN, Nouv. Mém. Moscou, 5: 399; *Podagrica menetriesi*: CSIKI and HEIKERTINGER, 1940; HEIKERTINGER, 1951; KRAL, 1967; TOMOV and GRUEV, 1975; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13, 46), Beyşehir Lake (Konya) (20), Karacabey (Bursa), Ararat, Karasu (Ağrı) (4), Alanya (Antalya), Çay (Afyon), Kırşehir, Aksaray, Gezi (Kayseri), Narlıdere (İzmir), Manyas Kuş Cenneti (Balıkesir) (6).

Material examined: Iğdır: Devlet Üretim Çiftliği, 18.VI.1981, leg. H. ÖZBEK; Erzurum: Uzundere, Dikyar, 1450 m, 24.V.1994, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iraq, Kazakhstan, Central Asia, China.

Genus: *Psylliodes* LATREILLE in BERTHOLD, 1827

P. affinis (PAYKUL, 1799)

Galeruca affinis PAYKULL, Fn. Suec., 2: 109;
Psylliodes affinis: GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Antakya (31).

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Western Siberia, Morocco.

P. aristus IABLOKOFF–KHNZORIAN, 1962

P. aristus IABLOKOFF–KHNZORIAN, Zoological Papers Acad. Sci. Armenian SSR, Zool. Inst., 12: 121–122; *P. kasyii*: GRUEV et al., 1994; ÖZBEK et al., 1996; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Kağızman (Kars), Yusufeli (Artvin) (9, 10, 31).

Material examined: Erzurum: Oltu, Ayvalı, 1050 m, 20.VIII.1992, leg. İ. ASLAN.

General distribution: Armenia, Georgia, Transcaucasus, Turkey, Iran.

P. attenuatus (KOCH, 1803)

Haltica attenuata KOCH, Ent. Hefte, 2: 34; *Psylliodes attenuata*: ANONYMOUS, 1907; HEIKERTINGER, 1926; CSIKI and HEIKERTINGER, 1940, *P. attenuata* var. *picicornis*: TÖLG, 1938.

Distribution in Turkey: Turkey (26); Asian Turkey: Asia Minor (13, 102), Eskişehir Çiftlik (19).

Material examined: Artvin: Şavşat, 22.V.1997, leg. İ. ASLAN; Erzurum: İspir, 1600 m, 8.VIII.1994, leg. İ. ASLAN.

General distribution: Europe, Palaearctic Asia.

P. chalcomerus (ILLIGER, 1807)

Haltica chalcomera ILLIGER, Mag. Ins., 6: 75, 173; *Psylliodes chalcomera*: ANONYMOUS, 1907; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; GRUEV and KASAP, 1985; *P. hyoscyami* var. *chalcomera*: APFELBECK, 1916; *P. chalcomerus*: KRAL, 1967.

Distribution in Turkey: European Turkey: İstanbul (17, 26), Edirne (20); Asian Turkey: Eskişehir, Küçük Çekmece (19), Adana (2), Tire (İzmir); Çifteler, Harasi, Hamidiye (Eskişehir), Demetevler, Bağlum, Lalahan, Mogan Lake, Beynam, Temelli, Ayaş, Çubuk, İmrahor, Karşiyaka (Ankara), Kızılca (Kırşehir), Konya, Gülşehir (Nevşehir), Boğazlıyan (Yozgat), Yıldızeli, Hafik Lake (Sivas) (6).

Material examined: Erzurum: Dumlu, 2000 m, 24.V.1994; Dutçu, 2000 m, 28.VII.1993; Ilıca,

Atlıkonak, 7.VII.1997; Kandilli, 1600 m, 25.VI.1993; İspir, Madenköprübaşı, 1450 m, 7.VII.1996; Şenkaya, Ormanlı, 20.V.1994; Üniversite, 17.V.1990; 17.VIII.1992, leg. İ. ASLAN; Kopdağı, Bayburt, 10.VIII.1991, leg. H. BOSTAN.

General distribution: Europe, Caucasus, Turkey, Iran, Kazakhstan, Central Asia, Eastern Mediterranean, Siberia, China.

P. chrysocephalus (LINNAEUS, 1758)

Chrysomela chrysocephala LINNAEUS, Syst. Nat., ed., 10: 372; *Psylliodes chrysocephala*: BODEMEYER, 1900; GANGLBAUER, 1905; ANONYMOUS, 1907; HEIKERTINGER, 1926; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; KILSMALI, 1973; GRUEV and KASAP, 1985; GRUEV, 1992; *P. chrysocephala* var. *peregrina*: HEIKERTINGER, 1916; CSIKI and HEIKERTINGER, 1940; *P. chrysocephala* fa. *collaris*: HEIKERTINGER, 1926.

Distribution in Turkey: Turkey (26); European Turkey: İstanbul (38); Asian Turkey: Haydarpaşa (İstanbul), Sapanca (İzmit), Bilecik, İzmir (35, 58), Akbaşı (Hatay), Adana (103), Asia Minor (13, 102), Eskişehir, Küçük Çekmece (19), Kavallıdere, Erdemli (Mersin), Urabat (Antakya) (2), Kemalpaşa, Ödemiş, Selçuk, Karaburun, Menemen (İzmir) (1), Manyas Kuş Cenneti (Balıkesir), İzmir, Lalahan (Ankara), Balcalı (Adana) (6).

Material examined: Antalya: Gündoğmuş, 3.VI.1989, leg. G. GILLERFORS; Erzurum: Oltu, Zerdenes, 20.V.1997; Tortum, 25.VI.1996, leg. İ. ASLAN; Mersin: Silifke, 15.V.1996, leg. H. ÖZBEK; Hatay, Yeşilköy, Dörtüol, 6.V.1995, leg. L. GÜLTEKİN.

General distribution: Europe, Caucasus, Turkey, Iran, Eastern Mediterranean, Northwest Africa.

P. circumdatus (REDTENBACHER, 1982)

Haltica circumdata REDTENBACHER, Quaed. Gen. et Spec. Col., p. 27; *Psylliodes circumdata* fa. *testaceoconcolor*: HEIKERTINGER, 1926. *P. circumdata* var. *festae*: HEIKERTINGER, 1930; CSIKI and HEIKERTINGER, 1940; *P. circumdata*: TÖLG, 1938; DOGUET, 1976; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Efes (İzmir) (102), Asia Minor (13, 15), Eskişehir Çiftlik (19), Amasya (37), Narlıdere (İzmir), Hara (Konya) (6).

Material examined: Antalya: Termesos, 1.VI.1992; Yarpuz, 4.VI.1989, leg. G. GILLERFORS; Erzincan, Üzümlü, 1300 m, 16.VI.1994, leg. İ. ASLAN; Erzurum: Uzundere, Dikyar, 1450 m, 24.V.1994, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Iran, Eastern Mediterranean.

P. cupreus (KOCH, 1803)

Haltica cuprea KOCH, Ent, Hefte, 2: 28; *Psylliodes cuprea*: AMONYMOUS, 1907; TÖLG, 1938; KERVILLE, 1939; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970; GRUEV and KASAP, 1985; YILDIRIM and ÖZBEK, 1992.

Distribution in Turkey: European Turkey: İstanbul (26); Asian Turkey: Küçük Çekmece, Bursa, Mudanya (Bursa) (19), İzmir (54), Asia Minor (13), between Kavak and Samsun, Vakfıkebir (Trabzon), Silifke, Kanlıdivane, Erdemli (Mersin), Misis (2), Narlıdere, Tire (İzmir), Balcalı (Adana) (6), Aşkale, Oltu, Horasan, Şenkaya (Erzurum) (56).

Material examined: Antalya: Gündoğmuş, 3.VI.1989, leg. G. GILLERFORS; Artvin: Oruçlu, 21.V.1997; Erzincan: 1250 m, 14.VI.1994; B. K. Arş. Enst., 7. VII.1993, leg. İ. ASLAN; Erzurum: Olur, Süngübayır, 1850 m, 1.X.1993; Üniversite, 1850 m, 20.VI.1992; 4.VI.1993; 21.VI.1994, leg. İ. ASLAN; Kars: Kağızman, 9.VII.1980, leg. H. ÖZİŞİK; İçel: Erdemli, Aydınlar, 9.VI.1992, leg. G. GILLERFORS.

General distribution: Europe, Caucasus, Turkey, Iran, Kazakhstan, Central Asia, Eastern Mediterranean, Siberia, Mongolia, Northwest Africa.

P. dulcamarae (KOCH, 1803)

Haltica dulcamarae KOCH, Ent. Hefte, 2: 24; *Psylliodes dulcamarae*: CSIKI and HEIKERTINGER, 1940; KRAL, 1967.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Beynam, Mogan Lake (Ankara), Mucur (Kırşehir) (20).

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Western Siberia, Mongolia.

P. ellipticus ALLARD, 1861

P. ellipticus ALLARD, Ann. Soc. Ent. Fr., 4, 1: 340; *P. elliptica*: HEIKERTINGER, 1921 a, 1930; CSIKI and HEIKERTINGER, 1940; ALKAN, 1961; TUATAY et al., 1972.

Distribution in Turkey: Asian Turkey: Tarsus (Mersin) (104), Asia Minor (13, 15), Konya (105), İkizhoyük (Kütahya), Kılavuzlar (Burdur) (21).

General distribution: Turkey, Israel, Syria, Jordan.

P. hyoscyami (LINNAEUS, 1758)

Chrysomela hyoscyami LINNAEUS, Syst. Nat., ed. 30: 372; *Psylliodes hyoscyami*: ANONYMOUS, 1907; TÖLG,

1938; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985.

Distribution in Turkey: Turkey (26); Asian Turkey: Ereğli (Konya) (19); Asia Minor (13), Küllük Köyü (Sivas) (6).

Material examined: Bayburt: 11.VII.1992, leg. İ. ASLAN; Demirözü, 23, VII.1991; Aydıntepe, 30.VI.1991, leg. H. BOSTAN; Erzurum: Narman, 1400 m, 8.VII.1995; Olur; Süngübayır, 1850 m, 20.VII.1994; 24.VII.1996; 26.VII.1995; Palandöken, 2300 m, 13.VII.1993; Pasinler, 1600 m, 1.VI.1993; 11.VII.1996; 6.VIII.1994; 8.VIII.1995; Büyükdere, 1950 m, 11.VII.1996, leg. İ. ASLAN; Söğütlü, 1800 m, 12.VIII.1980; Üniversite, 1850 m, 17.V.1983; 18.V.1983; 4.VI.1982, leg. H. ÖZİŞİK; 16.VI.1993; 21.VI.1994; 2.VIII.1993, leg. İ. ASLAN.

General distribution: Europe, Palaearctic Asia (excl. Japan).

P. illyricus LEONARDI et GRUEV, 1993

P. illyricus LEONARDI et GRUEV, Atti Soc. Ital. Sci. nat. Museo civ. Stor. nat. Milano, 133, 2: 15–20; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Erdemli (Mersin) (31).

General distribution: Southeastern Europe, Turkey.

P. inflatus REICHE, 1856

P. inflata REICHE, Ann. Soc. Ent. Fr., 3, 6: 50; HEIKERTINGER, 1921; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940; MEDVEDEV, 1970.

Distribution in Turkey: Asia Minor (13, 45), Akdağ (19), Adana, Misis (Adana), Kanlıdivane, Erdemli, Tarsus (Mersin) (2).

Material examined: Antalya: Akseki, 12.VI.1994, leg. I. RYDH; Antalya, 20 km, S. Elmalı, 2.VI.1992; Akseki, 29.V.1989, leg. G. GILLERFORS; Erzincan: Sırlıakonak, Kemaliye, 22.VI.1982, leg. H. ÖZİŞİK; Mersin, Silifke, 15.V.1996, leg. H. ÖZBEK; Diyarbakır, Silvan, 17.IV.1995, leg. E. YILDIRIM; Şanlıurfa: Ceylanpınar, 5.V.1996, leg. R. HAYAT.

General distribution: Mediterranean, Turkey, Iran.

P. instabilis FOU DRAS, 1860

P. instabilis FOU DRAS, Ann. Soc. Linn. Lyon (n.s.), 6: 150, 171; CSIKI and HEIKERTINGER, 1940; DOUGET, 1976; GRUEV and KASAP, 1985.

Distribution in Turkey: Asian Turkey: Asia Minor (13), Amasya (37), Ayaş (Ankara) (6).

Material examined: Antalya: 20 km, S. Elmalı, 2.VI.1992, and Akseki, 4.VI.1992, leg. G. GILLERFORS; Diyarbakır: Silvan, 17.IV.1995, leg. E. YILDIRIM; Erzurum: Çamlıbel, Oltu, 1700 m, 14.VII.1996, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Eastern Mediterranean, Northwest Africa.

P. isatidis HEIKERTINGER, 1912

P. cuprea var. *isatidis* HEIKERTINGER, in: REITTER, Fn. Germ., 6: 207; *P. isatidis*: DOGUET, 1976.

Distribution in Turkey: Asian Turkey: Amasya (37).

Material examined: Erzincan, 22.VI.1980, leg. H. ÖZİŞİK; Erzurum: Palandöken, 2300 m, 13.VII.1993; Üniversite, 21.VI.1994; 22.VI.1990, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Iran, Kazakhstan, Central Asia, Western Siberia, Mongolia.

P. kiesenwetteri KUTSCHERA, 1867

P. kiesenwetteri KUTSCHERA, Wien. Ent. Monatschr., p. 394; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Midyat (Mardin) (31).

General distribution: Southeastern Europe, Austria, Italy, Turkey.

P. luteolus (O. F. MÜLLER, 1776)

Altica luteola O. F. MÜLLER, Zool. Dan. Prodr., p. 84; *Psylliodes luteola*: WEISE, 1897; GANGLBAUER, 1905; HEIKERTINGER, 1926, 1930; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Anatolia (11), Mt. Erciyes (Kayseri), Ankara, Karaköy, Bozhoyük (Bilecik) (58), Asia Minor (13, 15, 102).

Material examined: Antalya: Yarpuz, 9.VI.1989, leg. G. GILLERFORS; Erzurum: Tortum Aşağı Meydanlar, 1750 m, 24.VIII.1993, leg. İ. ASLAN.

General distribution: Central and Southern Europe, Caucasus, Turkey, Eastern Mediterranean, Iran.

P. marcidus (ILLIGER, 1807)

Haltica marcida ILLIGER, Mag. Ins., 6: 175; *Psylliodes marcida*: MEDVEDEV, 1975.

Distribution in Turkey: Asian Turkey: Yalova (Denizli) (3).

General distribution: Europe, Mediterranean, Azores.

P. milleri KUTSCHERA, 1864

P. milleri KUTSCHERA, Wien. Ent. Monatschr., 8: 380, 390; TÖLG, 1938; CSIKI and HEIKERTINGER, 1940.

Distribution in Turkey: Asian Turkey: Akdağ (19), Asia Minor (13).

General distribution: Spain, Italy, Greece, Turkey, Cyprus.

P. napi (FABRICIUS, 1772)

Galleruca napi FABRICIUS, Ent. Syst., 1, 2: 29; *Psylliodes napi*: ANONYMOUS, 1907; GRUEV and KASAP, 1985; GRUEV and DÖBERL, 1997.

Distribution in Turkey: European Turkey (26); Asian Turkey: Bağlum, Soğuksu Milli Parkı (Ankara) (6), Kumluca (Antalya) (31).

Material examined: Erzurum: Üniversite, 1850 m, 17.V.1992; 4.IX.1993, leg. İ. ASLAN.

General distribution: Europe, Caucasus, Turkey, Kazakhstan, Siberia, Northwest Africa.

P. ozisiki LEONARDI et ARNOLD, 1995

P. ozisiki LEONARDI et ARNOLD, Atti Soc. it. Sci. nat. Museo civ. Stor. nat. Milano, 134/1993 (II): 303, 306–308.

Distribution in Turkey: Asian Turkey: Erzurum (University Campus, locus typicus), Kandilli (Erzurum) (106).

General distribution: Turkey, Armenia.

P. pallidicolor PIC, 1903

P. pallicolor PIC, Echange, p. 125; DOGUET, 1976, 1992; GRUEV and DÖBERL, 1997.

Distribution in Turkey: Asian Turkey: Amasya (37, 107), Akseki (Antalya) (31).

Material examined: İçel: Gülnar, 8.VI.1992, leg. G. GILLERFORS;

General distribution: Bulgaria, Greece, Spain, Turkey, Iraq, Syria, Israel, Lebanon.

P. saulcyi ALLARD, 1867

P. saulcyi ALLARD, Abeille, 3: 438, 469.

Material examined: Erzincan: Sıralıkoak, Kemaliye, 21.VI.1982, leg. H. ÖZİŞİK.

General distribution: Eastern Mediterranean, Northern Caucasus (Russia), Kazakhstan, Mongolia.

NEW TO TURKEY

P. sophiae HEIKERTINGER, 1914

P. sophiae HEIKERTINGER, Verh. zool.–bot. Ges. Wien, 64: 37; CSIKI and HEIKERTINGER, 1940; GRUEV and KASAP, 1985; *P. cyanoptera*: WEISE, 1897; HEIKERTINGER, 1926; MEDVEDEV, 1970; *P. cyanoptera* ab. *tricolor*: HEIKERTINGER, 1926.

Distribution in Turkey: Asian Turkey: Anatolia (11), Asia Minor (13, 102), Bafra (Samsun) (2), Gıcık Köyü, Beytepe, Demetevler, Ayaş, Gündül, Karagöl (Ankara), Cihanbeyli, İçeri, Çumra (Konya), Araplı Gecidi, Gülşehir (Nevşehir), Sarioğlan, Bünyan (Kayseri), Kızılca, Çuğun Barajı (Kırşehir) (6).

Material examined: Antalya: Korkuteli, 20.V.1991, leg. G. GILLERFORS; Artvin: Yusufeli, Kınalıçam, 21.V.1997; Bayburt: Kopdağı, 13.VIII.1997; Erzincan: Merkez, 1250 m, 14.VI.1994, leg. İ. ASLAN; Çağlayan, 28.VI.1980, leg. H. ÖZİŞİK; Hatay, 20.VII.1980; leg. H. ÖZBEK; Diyarbakır, Silvan, 17.IV.1995, leg. E. YILDIRIM; Erzurum: İspir, Alacabük, 1800 m; Narman, Samikale, 1500 m, 5.VII.1993; Oltu, Dutlu, 26.VI.1997; Kurupınar, 1200 m, 19.V.1996; Olur, Süngübayır, 16.VII.1997; Şenkaya, Altınova, 13.VI.1991; Ormanlı, 1500 m, 20.V.1994, leg. İ. ASLAN.

General distribution: Europe, Palaearctic Asia (excl. Japan), Morocco.

P. tauricus LEONARDI, 1971

P. tauricus LEONARDI, Atti Soc. ital. Sci. nat. e Museo civ. St. nat. Milano, 112, 4: 516, 518.

Distribution in Turkey: Asian Turkey: Gülek Boğazı (Adana) (locus typicus) (108).

General distribution: Turkey.

P. testaceoconcolor HEIKERTINGER, 1926

P. cuprea fa (var.). *testaceoconcolor* HEIKERTINGER, Kol. Rundschau, 12, 2: 105, 122, 133.

Material examined: Erzincan: Sandıkköyü, Kemaliye, 21.VIII.1981, leg. H. ÖZİŞİK.

General distribution: Azerbaijan, Israel, Lebanon, Cyprus.

NEW TO TURKEY

P. vindobonensis HEIKERTINGER, 1914

P. vindobonensis HEIKERTINGER, Verh. zool.–bot. Ges. Wien, 64: 97; LEONARDI, 1971.

Distribution in Turkey: Asian Turkey: Konya (108).

General distribution: Mountain species of Central and Southern Europe, Turkey.

Genus: *Sphaeroderma* STEPHENS, 1831*S. rubidum* (GRAELLS, 1858)

Argopus rubidus GRAELLS, Mem. Com. Map. geol. Esp., 97; *Sphaeroderma rubidum*: TÖLG, 1938; RUFFO, 1964; KISMALI, 1973.

Distribution in Turkey: European Turkey: Kadıköy (Istanbul) (109); Asian Turkey: Küçük Çekmece (19), Tire, Bornova (Izmir) (1).

General distribution: Europe, Caucasus, Turkey, Eastern Mediterranean, Northwest Africa, Madeira.

PRESENCE OF ALTICINAE SPECIES CURRENTLY KNOWN IN BOTH PARTS OF TURKEY

Names of species	European Turkey	Asian Turkey
<i>Altica ancyrensis</i>		+
<i>Altica bicarinata</i>		+
<i>Altica brevicollis</i>	+	+
<i>Altica bulgharensis</i>		+
<i>Altica carduorum</i>		+
<i>Altica cornivorax</i>	+	
<i>Altica deserticola</i>		+
<i>Altica globicollis</i>	?	+
<i>Altica hampei</i>		+
<i>Altica impressicollis</i>	+	+
<i>Altica jarmilae</i>		+
<i>Altica lythri</i>		+
<i>Altica oleracea</i>		+
<i>Altica palustris</i>		+
<i>Altica pontica</i>		+
<i>Altica quercetorum</i>	+	+
<i>Altica tamaricis</i>	+	+
<i>Anthobiodes turcicus</i>		+
<i>Aphthona abdominalis</i>		+
<i>Aphthona atrovirens</i>		+
<i>Aphthona bonvouloiri</i>	+	+
<i>Aphthona crassicornis</i>		+
<i>Aphthona euphorbiae</i>		+
<i>Aphthona flava</i>	+	
<i>Aphthona flaviceps</i>	+	+
<i>Aphthona franzi</i>		+
<i>Aphthona fuentei</i>		+
<i>Aphthona gracilis</i>		+
<i>Aphthona kuntzei</i>		+
<i>Aphthona lutescens</i>	+	+
<i>Aphthona maculata</i>		+
<i>Aphthona nigriceps</i>	+	+
<i>Aphthona nigriscutis</i>		+
<i>Aphthona nonstriata</i>	+	+

<i>Aphthona ovata</i>	+	+	<i>Dibolia rugulosa</i>	+
<i>Aphthona pygmaea</i>		+	<i>Dibolia schillingii</i>	+
<i>Aphthona rugipennis</i>		+	<i>Dibolia tricolor</i>	+
<i>Aphthona semicyanea</i>		+	<i>Dibolia zangezurica</i>	+
<i>Aphthona syriaca</i>		+		
<i>Aphthona valachica</i>		+	<i>Epitrix abeillei</i>	+
<i>Aphthona venustula</i>		+	<i>Epitrix atropae</i>	+
			<i>Epitrix caucasica</i>	+
<i>Batophila fallax</i>	+	+	<i>Epitrix hirtipennis</i>	+
<i>Batophila olexai</i>		+	<i>Epitrix intermedia</i>	+
			<i>Epitrix pubescens</i>	+
				+
<i>Chaetocnema arenacea</i>	+	+		
<i>Chaetocnema aridula</i>	+	+	<i>Hermaeophaga mercurialis</i>	+
<i>Chaetocnema breviscula</i>	+	+	<i>Hermaeophaga ruficollis</i>	+
<i>Chaetocnema chlorophana</i>	+	+		
<i>Chaetocnema concinna</i>		+	<i>Hippuriphila modeeri</i>	+
<i>Chaetocnema conducta</i>	+	+		
<i>Chaetocnema confusa</i>		+	<i>Longitarsus absynthii</i>	+
<i>Chaetocnema coyei</i>	+	+	<i>Longitarsus aeneicollis</i>	+
<i>Chaetocnema hortensis</i>		+	<i>Longitarsus albineus</i>	+
<i>Chaetocnema laevicollis</i>		+	<i>Longitarsus alferii</i> s. str.	+
<i>Chaetocnema major</i>	+	+	<i>Longitarsus alferii furthi</i>	+
<i>Chaetocnema mannerheimi</i>	+	+	<i>Longitarsus anatolicus</i>	+
<i>Chaetocnema montenegrina</i>		+	<i>Longitarsus anchusae</i>	+
<i>Chaetocnema obesa</i>	+	+	<i>Longitarsus aramaicus</i>	+
<i>Chaetocnema orientalis</i>	+	+	<i>Longitarsus artvinus</i>	+
<i>Chaetocnema procerula</i>	+	+	<i>Longitarsus atricillus</i>	+
<i>Chaetocnema sahlbergii</i>		+	<i>Longitarsus audisioi</i>	+
<i>Chaetocnema scheffleri</i>		+	<i>Longitarsus ballotae</i>	+
<i>Chaetocnema semicoerulea</i>		+	<i>Longitarsus bertii</i>	+
<i>Chaetocnema tibialis</i>		+	<i>Longitarsus brisouti</i>	+
<i>Chaetocnema turhalus</i>		+	<i>Longitarsus bytinskii</i>	+
			<i>Longitarsus echii</i>	+
<i>Crepidodera aurata</i>	+	+	<i>Longitarsus exoletus</i> (? spp.) <i>rufulus</i>	+
<i>Crepidodera aurea</i>	+	+	<i>Longitarsus fallax</i>	+
<i>Crepidodera fulvicornis</i>		+	<i>Longitarsus foudrasi</i>	+
<i>Crepidodera lamina</i>	+	+	<i>Longitarsus fuscoaeneos</i>	+
<i>Crepidodera plutus</i>		+	<i>Longitarsus ganglbaueri</i>	+
			<i>Longitarsus hittita</i>	+
<i>Derocrepis rufipes</i>		+	<i>Longitarsus iconiensis</i>	+
<i>Derocrepis serbica</i>		+	<i>Longitarsus jacobaeae</i>	+
<i>Derocrepis serbica anatolica</i>		+	<i>Longitarsus jailensis</i>	+
			<i>Longitarsus juncicola</i>	+
<i>Dibolia carpathica</i>		+	<i>Longitarsus karlheinzi</i>	+
<i>Dibolia cryptocephala</i>		+	<i>Longitarsus kopdagiensis</i>	+
<i>Dibolia cynoglossi</i>		+	<i>Longitarsus kutscherae</i>	+
<i>Dibolia depressiuscula</i>		+	<i>Longitarsus lateripunctatus personatus</i>	+
<i>Dibolia femoralis</i>		+	<i>Longitarsus ledouxi</i>	+
<i>Dibolia kralii</i>		+	<i>Longitarsus lewisii</i>	+
<i>Dibolia occultans</i>		+	<i>Longitarsus linnaei</i>	+
<i>Dibolia phoenicia</i>		+	<i>Longitarsus longipennis</i>	+
<i>Dibolia rufofemorata</i>		+	<i>Longitarsus luridus</i>	+

<i>Longitarsus lycopi</i>	+	+	<i>Phyllotreta cruciferae</i>	+
<i>Longitarsus melanocephalus</i>	+	+	<i>Phyllotreta dacica</i>	+
<i>Longitarsus membranaceus</i>		+	<i>Phyllotreta diademata</i>	+
<i>Longitarsus minusculus</i>		+	<i>Phyllotreta egridirensis</i>	+
<i>Longitarsus niger</i>		+	<i>Phyllotreta erysimi</i>	+
<i>Longitarsus nigrofasciatus</i>		+	<i>Phyllotreta fallaciosa</i>	+
<i>Longitarsus nimrodi</i>		+	<i>Phyllotreta judaea</i>	+
<i>Longitarsus obliteratus</i>		+	<i>Phyllotreta latevittata</i>	+
<i>Longitarsus ochroleucus</i>		+	<i>Phyllotreta maculicornis</i>	+
<i>Longitarsus parvulus</i>		+	<i>Phyllotreta memorum</i>	+
<i>Longitarsus pellucidus</i>		+	<i>Phyllotreta nigripes</i>	+
<i>Longitarsus picicollis</i>		+	<i>Phyllotreta nodicornis</i>	+
<i>Longitarsus pinguis</i>		+	<i>Phyllotreta ochripes</i>	+
<i>Longitarsus pratensis</i>	+	+	<i>Phyllotreta oltuensis</i>	+
<i>Longitarsus quadriguttatus</i>		+	<i>Phyllotreta ozbeki</i>	+
<i>Longitarsus rectilineatus</i>		+	<i>Phyllotreta pallidipennis</i>	+
<i>Longitarsus reichei</i>		+	<i>Phyllotreta pontoaegica</i>	+
<i>Longitarsus salviae</i>		+	<i>Phyllotreta praticola</i>	+
<i>Longitarsus scutellaris</i>		+	<i>Phyllotreta procera</i>	+
<i>Longitarsus succineus</i>		+	<i>Phyllotreta punctulata</i>	+
<i>Longitarsus suturellus</i>		+	<i>Phyllotreta sisymbrii</i>	+
<i>Longitarsus tabidus</i>		+	<i>Phyllotreta striolata</i>	+
<i>Longitarsus trepidus</i>		+	<i>Phyllotreta tetrastigma</i>	+
<i>Longitarsus truncatellus</i>		+	<i>Phyllotreta toelgi</i>	+
<i>Longitarsus violentus</i>		+	<i>Phyllotreta undulata</i>	+
			<i>Phyllotreta variipennis</i>	+
<i>Mantura chrysanthemi</i>		+	<i>Phyllotreta vilis</i>	+
<i>Mantura cylindrica</i>		+	<i>Phyllotreta vittula</i>	+
<i>Mantura rustica</i>	+	+	<i>Phyllotreta wiseana</i>	+
<i>Mniophila muscorum turcica</i>		+	<i>Podagrica fuscicornis</i>	+
			<i>Podagrica malvae</i>	+
<i>Neocrepidodera crassicornis</i>		+	<i>Podagrica menetriesi</i>	+
<i>Neocrepidodera ferruginea</i>	+	+		
<i>Neocrepidodera impressa</i>	?	?	<i>Psylliodes affinis</i>	+
<i>Neocrepidodera motschulskyi</i>		+	<i>Psylliodes aristus</i>	+
<i>Neocrepidodera nigritula</i>	+	+	<i>Psylliodes attenuatus</i>	+
<i>Neocrepidodera transversa</i>		+	<i>Psylliodes chalconeris</i>	+
			<i>Psylliodes chrysocephalus</i>	+
<i>Ochrosis ventralis</i>	+	+	<i>Psylliodes circumdatus</i>	+
			<i>Psylliodes cupreus</i>	+
<i>Orestia loebli</i>		+	<i>Psylliodes dulcamarae</i>	+
<i>Orestia olympica</i>		+	<i>Psylliodes ellipticus</i>	+
<i>Orestia oselliana</i>		+	<i>Psylliodes hyoscyami</i>	+
			<i>Psylliodes illyricus</i>	+
<i>Phyllotreta acutecarinata</i>		+	<i>Psylliodes inflatus</i>	+
<i>Phyllotreta astrachanica</i>		+	<i>Psylliodes instabilis</i>	+
<i>Phyllotreta atra</i>	+	+	<i>Psylliodes isatidis</i>	+
<i>Phyllotreta balcanica</i>		+	<i>Psylliodes kiesenwetteri</i>	+
<i>Phyllotreta bolognai</i>		+	<i>Psylliodes luteolus</i>	+
<i>Phyllotreta caucasicola</i>		+	<i>Psylliodes marcidus</i>	+
<i>Phyllotreta corrugata</i>		+	<i>Psylliodes milleri</i>	+

<i>Psylliodes napi</i>	+	+
<i>Psylliodes ozisiki</i>		+
<i>Psylliodes pallidicolor</i>		+
<i>Psylliodes saulcyi</i>		+
<i>Psylliodes sophiae</i>		+
<i>Psylliodes tauricus</i>		+
<i>Psylliodes testaceoconcolor</i>		+
<i>Psylliodes vindobonensis</i>		+
<i>Sphaeroderma rubidum</i>	+	+

The following records we consider as questionable or erroneous in Turkey.

Altica cyanea (WEBER, 1801); “? Asia Minor” (HEIKERTINGER, 1930: 1333 “*Haltica cyanea*”), “Asia Minor” (CHEN, S., 1934; Ann. Soc. Ent. Fr., 103: 180, “*Haltica cyanea*”).

Altica longicollis (ALLARD, 1860); “Turquie” (ANONYMOUS, 1907: 341 “*Graptodera longicollis*”).

Batophila aerata (MARSHAM, 1802); “Konstantinopel: Belgraderwald” (APFELBECK, 1916: 388, “*Glyptina aerata*”).

Longitarsus asperifoliarum WEISE, 1887; “Turkey and Doğu Akdeniz” (NİZAMLIOĞLU, 1964, after HOBERLANDT)

Longitarsus dorsalis (FABRICIUS, 1781); “Asia Minor” (HEIKERTINGER, 1930: 1328), “Polnisches Tschiftlik” (TÖLG, 1938: 239).

Longitarsus ferrugineus (FOUDRAS, 1860; “Goek Dagh” (HEIKERTINGER, 1912–1914 [1912]: 44,

“*Longitarsus waterhousei*”), “Asia Minor” (HEIKERTINGER, 1930: 1326, “*Longitarsus waterhousei*”).

Podagraca fuscipes (FABRICIUS, 1775); “Turquie” (ANONYMOUS, 1907: 342).

Psylliodes aereus FOU DRAS, 1860; “Asia Minor” (SHAPIRO, 1963; Trudy Biol. Fac. Gos. Univ., Kharkov, Ukraine, 36: 105, “*Psylliodes aerea*”).

Psylliodes cucullatus (ILLIGER, 1807); “Constantinople” (ANONYMOUS, 1907: 342, “*Psylliodes cucullata*”).

Psylliodes picinus (MARSHAM, 1802); “Türkei” (CSIKI and HEIKERTINGER, 1940: 563, “*Psylliodes picina*”).

Psylliodes pyritosus KUTSCHERA, 1864; “Tekir, Osmaniye–Gaziantep” (MEDVEDEV, 1975: 16, “*Psylliodes pyritosa*”).

Psylliodes turcica HEIKERTINGER, 1914; “Bornova (İzmir), Afyon (GÜL–ZÜMREOĞLU, 1972).

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References

1. Kısmalı, Ş. İzmir İli ve Çevresinde Kültür Bitkilerinde Zarar Yapan Chrysomelinae ve Halticinae (Chrysomelidae: Coleoptera) Altfamilyalarına ait türler, Tanımları, Konukçuları, Yayılışları ve Kısa Biyolojileri Üzerine Araştırmalar. E.Ü. Ziraat. Fak. Derg. Seri A, 10 (2): 341–378, 1973.
2. Medvedev, L. A List of Chrysomelidae collected by Dr. W. Wittmer in Turkey (Coleoptera). Rev. Suisse de Zool., 77: 309–319, 1970.
3. Medvedev, L. Chrysomelidae collected by Dr. W. Wittmer in Turkey and Iran. Mitt. Entomol. Ges. Basel, N.F., 25 (1): 12–19, 1975.
4. Tomov, V. and B. Gruev. Chrysomelidae (Coleoptera) collected by K.M. Guichard in Turkey, Greece and Yugoslavia. Trav. Sci. Univ. Plovdiv, Bulgaria. Biol., 13 (4): 133–151, 1975.
5. Gruev, B. and V. Tomov. Zur Kenntnis einiger in der Türkei, Jugoslawien und Griechenland vorkommender Arten der Familie Chrysomelidae (Coleoptera) aus der Zoologischen Staatssammlung München. Spixiana, 2 (3): 259–267, 1979.
6. Gruev, B. and H. Kasap. A list of some Alticinae from Turkey with descriptions of two new species (Coleoptera, Chrysomelidae). Dtsch. ent. Z., N.F., 32 (1–3): 59–73, 1985.
7. Biondi, M. Note sui crisomelidi alticini della fauna di Turchia, con descrizione di tre nuove specie (Coleoptera, Chrysomelidae, Alticinae). Fragm. Entomol., Roma, 23 (2): 341–354, 1992.
8. Biondi, M. The *Longitarsus anchusae* in Near East and description of a new species (Coleoptera, Chrysomelidae, Alticinae). Nouv. Reuve Ent. (N.S.), 12 (4): 259–271, 1995.

9. Gruev, B., H. Özbek and I. Aslan. Leaf-beetles (Coleoptera, Chrysomelidae) new to the fauna of Turkey. *Türk. entomol. derg.*, 18 (4): 193–196, 1994.
10. Özbek, H., Ş. Güçlü and R. Hayat. Kuzeydoğu Tarım Bölgesinde taş çekirdekli meyve ağaçlarında bulunan fitofag ve predatör böcek türleri II. *Tr. J. Agricultural ve Forestry*, 20: 267–282, 1996.
11. Weise, J. in: ESCHERICH, K., 1897, Zoologische Ergebnisse einer von der L. Kathariner nach Central-Kleinasien unternommenen Reise. IV. Teil. Coleopteren. *Entomologische Zeitung, Stettin*, 58, 1–3 (1): 59–63, 1897.
12. Weise, J. Neue Chrysomeliden aus Angora. *Entomologische Zeitung, Stettin*, p. 63–69, 1897a.
13. Csiki, E. and F. Heikertinger. Chrysomelidae, Halticinae, in: Junk, W. and Schenkling, S., *Coleopterorum catalogus*, 's-Gravenshage (1911–1940), pars 59: 1–215, 1940.
14. Kral, J. Zur Kenntnis der palaarktischen *Altica*-Arten V (Coleoptera, Phytophaga, Alticinae). *Ent. Blätter*, 65 (2): 72–85, 1969.
15. Heikertinger, F. Halticinae, in: Winkler, A., *Catalogus coleopterorum regionis palaearticae*. Wien. Pars 11: 1317–1352, 1930.
16. Kral, J. Zur Kenntnis der palaarktischen *Altica*-Arten VII (Coleoptera, Phytophaga, Alticinae). *Ent. Blätter*, 75 (1–2): 98–108, 1979.
17. Apfelbeck, V. Die Komponenten der Balkanfauna aus der Familie der Chrysomelidae (Col.). *Wissensch. Mitt. aus Bosn. und der Herz.*, 13: 354–396, 1916.
18. Kral, J. Zur Kenntnis der palaarktischen *Altica*-Arten I. (Coleoptera Phytophaga, Alticinae). *Ent. Blätter*, 60 (2): 126–133, 1964.
19. Tölg, F. Feststellungen von Nahrungspflanzen kleinasiatischer Halticinen und Ceuthorrhynchinen. *Kol. Rundschau*, 24 (6): 234–241, 1938.
20. Kral, J. Wissenschaftlichen Ergebnis der zoologischen Expedition des Nationalmuseums in Prag nach der Türkei, Coleoptera, Alticinae. *Acta Entomol. Mus. Nat.*, 37: 261–268, 1967.
21. Tuatay, N., A. Kalkendelen and N. Aysev. *Nebat Koruma Böcek Kataloğu*. T.C. Tarım Bakanlığı, Zirai Mücadele ve Zirai Karantina Gen. Müd. Yayınları, Ankara, p. 55–57, 1972.
22. Weise, J. Chrysomelidae, in: *Naturgeschichte Insekten Deutschlands*. Coleoptera. VI. Berlin, 1161 pp, 1881–1893.
23. Weise, J. Neue Coleopteren aus Kleinasien. *Deutsche Entomol. Zeitschrift*, 1: 132–140, 1900.
24. Heikertinger, F. Biogeographische Skizzen über palaarktische Halticinen (Col.). *Entomologische Mitteilungen*, 1/1912: 236–241; 3/1914: 18–23, 1912–1914a.
25. Mohr, K. H. Zur Zoogeographie zweier im Gebiet der DDR vorkommender *Haltica* Arten (Col., Chrys. Halticinae). *Entomologische Nachrichten*, 19 (1–2): 15–19, 1975.
26. Anonymous. Collections du Musee d'Histoire Naturelle de Son Altesse Royale FERDINAND I Prince de Bulgarie, Par la Direction. *Sophia Imprimerie de l'Etat.*, 337–343, 1907.
27. Ogloblin, D.A. Einige neue *Haltica*-Formen aus der palaarktischen Region. *Revue Russe d'Entom.*, 19: 91–96, 1925.
28. Apfelbeck, V. Bericht über eine entomologische Forschungsreise nach der Türkei und Griechenland im Jahre 1900. *Wissensch. Mitt. aus Bosn. und der Herz.*, 8, 447–469, 1901.
29. Döberl, M. Bemerkungswerte Alticinenfunde aus Westeuropa (Col., Chrysomelidae). *Entomologische Nachrichten und Berichte*, 38, 3: 179–182, 1994.
30. Konstantinov, A. and N. Vadenberg. Handbook of Palearctic flea beetles (Alticinae). *Ass. Publishers Gainesville*, 238–439, 1996.
31. Gruev, B. and M. Döberl. General distribution of the flea beetles in the Palearctic subregion (Coleoptera, Chrysomelidae: Alticinae). *Scopolia*, 37, 1–496, 1997.
32. Heikertinger, F. Bestimmungstabelle der palaarktischen *Aphthona* Arten. *Kol. Rundschau*, 30: 123–208, 1944.
33. Pic, M. Descriptions ou diagnoses et notes diverses. *Echange*, 26: 25, 1910.
34. Lopatin, I. On the fauna of chrysomelid beetles of the subfamily Alticinae (Coleoptera, Chrysomelidae) of Iran. Results of the Czechoslovak–Iranian expeditions in 1970–1977, *V. Reuve d'Ent.* 1'URSS, 69 (3): 598–608, 1990.
35. Bodemeyer, H.E. Quer durch Klein Asien in der Bulghar Dagh. Eine Naturwissenschaftliche Studienreise, 169 pp, 1900.
36. Sahlberg, J. *Coleoptera Mediterranea que in Aegypto, Palaestina, Syria, Caramania at que in Anatolia occidentali anno 1904*. *Öfversigt Finska Vatenkaps. Soc. Förh.*, 55, A (19): 1–281, 1913.
37. Doguet, S. Alticinae recoltés en Turquie et en Iran par le Dr. W. Wittmer (Col., Chrysomelidae). *Mitteilungen der Entomologischen Gesellschaft Basel, N.F.*, 26 (3) 91–94, 1976.
38. Gruev, B. Geographical distribution of Lamprosomatinae, Eumolpinae, Chrysomelinae, Alticinae, Hispinae and Cassidinae (Coleoptera, Chrysomelidae) on the Balkan Peninsula. *Plovdiv University Press*, 512 pp, 1992.
39. Heikertinger, F. Skinen zur Systematik und Nomenklatur der palaarktische Halticinen. *Ent. Blätter*, 8/1912: 291–297; 9/1913: 145–149; 10/1914: 78–85, 1912–1914.
40. Leonardi, C. Ricerche coleotterologiche sul litorale ionico della Puglia, Lucania e Calabria campogne 1956, 1957, 1958. XVII: *Coleoptera, Chrysomelidae, Alticinae. Atti Soc. Ital. Sc. Nat.e Museo Civ. St. Nat. Milano*, 117 (1–2): 46–58, 1976.

41. Weise, J. in BODEMEYER: Baitrage zur Kaferfauna von Klein Asien. Dt. Ent. Zeit., p. 417–434, 1906.
42. Scherer, G. Coleoptera aus Nordostafrika. Chrysomelidae: Alticinae. Notulae Entomologicae, 52: 1–17, 1972.
43. Weise, J. *Aphthona semicyanea* var. *phrigeria* nov. Dt. Ent. Zeit., p. 240, 1901.
44. Heikertinger, F. Bestimmungstabelle der palaarktischen Arten der *Crepidodera* Verwandtschaft weitestens Sinnes. Kol. Rundschau, 31: 15–146, 1948 (1948–1950).
45. Heikertinger, F. Die palaarktischen Arten der Halticinengattung *Batophila* Foudr. (Glyptina Lec.). Kol. Rundschau, 9 (10–12): 89–98, 1921.
46. Heikertinger, F. Bestimmungstabelle der palaarktischen Arten der Gattungen *Podagrica* Foudr., *Mantura* Steph. und *Chaetocnema* Steph. Kol. Rundschau, 32: 133–216, 1951.
47. Nizamlioğlu, K. Türkiye Ziraatına Zararlı Olan Böcekler ve Mücadelesi. Forma 3. Sanayi Bitkileri Zararlıları Fas. 10: 96–167, 1964.
48. Onat, G. Türkiye'de pancar zararlısı olarak tespit edilen böcekler. Şeker Derg., No: 87: 57–62, 1973.
49. Tokmakoğlu, O. Şeker Pancarı Hastalık ve Zararlıları Atlası. Türkiye Şeker Fab., A.Ş. Yay., No: 190: 145 pp., 1974.
50. İyriboz, N. Şeker Pancarı Hastalıkları. Resimli Ay Matbaası, İstanbul, 164 pp., 1934.
51. Gediz, A. Türkiye Şeker Pancarı Haşeratları ve Mücadele Usülleri. Kenan Basımevi ve Klişe Fab., İstanbul, 115 pp, 1940.
52. Pic, M. Notes entomologiques diverses. Echange, 23: 111–112, 1907.
53. Pic, M. Descriptions ou diagnoses et notes diverses. Echange, 25: 137–138, 177, 179, 1909a.
54. Kerville, H.G. Voyage zoologique d'Henri Gadeau de Kerville Asie Mineure (Avril–Mai 1912). Tome 1. Paris, Paul Lechevalier, p. 106–108, 1939.
55. Heikertinger, F. Skizzen zur Verbreitungsgeographie der palaarktischen Halticinen (Coleoptera). Deutsch. entomol. Nationalbibliothek, 2: 172–174, 190–192, 1911.
56. Yıldırım, E. and H. Özbek. Erzurum Şeker Fabrikasına bağlı şekerpancari üretim alanlarındaki zararlı ve yararlı böcek türleri. Türkiye II. Entomoloji Kongresi, 28–31 Ocak 1992, Adana, 621–635, 1992.
57. Heikertinger, F. Bestimmungstabelle der palaarktischen Arten der *Crepidodera* Verwandtschaft weitestens Sinnes. Kol. Rundschau, 31: 15–146, 1950 (1948–1950).
58. Ganglbauer, K. L. Ergebnisse einer naturwissenschaftlichen Reise zum Erdschas Dagh (Klein Asien). Ausgeführt Dr. A. Penther und Dr. E. Lederbauer. Ann. Nat- thst Wien, 20. Coleoptera, p. 246–290, 1905.
59. Gül-Zümreoğlu, S. İzmir Bölge Zirai Mücadele Araştırma Enstitüsü Böcek ve Genel Zararlılar Kataloğu 1928–1969 (1. Kısım). T.C. Tarım Bakanlığı, Zirai Mücadele ve Zirai Karantina Gen. Müd. Yayınları, İzmir, p. 48–52, 1972.
60. Konstantinov, A. Review of Palearctic species of *Crepidodera* Chevrolat (Coleoptera, Chrysomelidae, Alticinae). Spixiana, 19 (1): 21–37, 1996.
61. Pic, M. Notes diverses, descriptions et diagnoses. Echange, 34: 17–19, 1918.
62. Heikertinger, F. Monographie der Halticinengattung *Derocrepis* Wiese (Coleoptera, Chrysomelidae). Wiener Entomol. Zeitung, 42 (4–10): 95–178, 1925.
63. Allard, E. Essai monographique sur les Galérucites anisopodes Latr. ou description des Altises d'Europe et des bords de la Mer Méditerranée. Ann. Soc. Ent. Fr., 3-e Ser., 8: 39–144, 1860.
64. Pic, M. Contribution a l'etude du genre *Derocrepis* Weise. Echange, 27: 108–110, 1911.
65. Gruev, B. To the knowledge of *Derocrepis serbica anatolica* Heikertinger, 1922 (Coleoptera, Chrysomelidae: Alticinae). Trav. Sci. Univ. Plovdiv, Animalia, 31, (6): 25–26, 1995.
66. Mohr, K. H. Revision der palaarktischen Arten der Gattung *Dibolia* Latreille, 1829 (Coleoptera, Chrysomelidae, Halticinae). Pol. Pis. Ent., 51: 393–469, 1981.
67. Pic, M. Notes entomologiques et descriptions. Echange, 18: 121–125, 131, 1903.
68. Heikertinger, F. Beobachtungen über geographische Einflüsse auf Form und Färbung bei Halticinen (Coleoptera). Deutsch. entomol. Nationalbibliothek, 2: 118–120, 1911a.
69. Döberl, M. Auffällige Ausbreitung einiger Alticinen-Arten in Westeuropa (Coleoptera, Chrysomelidae, Alticinae). Verh. 14. SIEEC, München, p. 276–281, 1996.
70. Turanlı, F. and Ş. Kısmalı. Urla (İzmir) ilçesi tütün alanlarında yeni bir tütün zararlısı *Epitrix hirtipennis* Melshheimer (Coleoptera, Chrysomelidae). III. Entomoloji Kongresi, 24–28 Eylül, 1996 Ankara, p. 243–250, 1996.
71. Gruev, B. A contribution to the knowledge of females of some Old World *Longitarsus* species (Coleoptera, Chrysomelidae, Alticinae) on the basis of their spermatheca. Ent. Rev. Japon, 42, (1): 55–61, 1987.
72. Gruev, B. and I. Aslan. Four new species of Alticinae (Coleoptera, Chrysomelidae) from Turkey. Türk. entomol. derg., 22 (3): 163–169, 1998.
73. Leonardi, C. Note corologica e tassonomica su alcuni *Longitarsus* con citazione di due specie nuove per l'Italia (Coleoptera, Chrysomelidae). Atti Soc. Ital. Sc. Nat. e Museo Civ. St. Nat. Milano, 114 (1): 5–42, 1973.

74. Mohr, K.H. Verzeichnis der von Herrn W. Heinz Muche im Kaukasus und in Mittelasien gesammelten Chrysomelidae (Coleoptera, Phytophaga). Faun. Abh. Mus. Tuerk. Dresden, 6 (27): 307–311, 1977.
75. Warchalowski, A. Die Geographischen Rassen von *Longitarsus fuscoaeneus* Redt. und *Longitarsus corynthius* (Reiche) (Coleoptera, Chrysomelidae). Pol. Pis. Ent., 37 (4): 625–632, 1967.
76. Warchalowski, A. Neue asiatische Arten aus der Gattung *Longitarsus* Latr. (Coleoptera, Chrysomelidae). Pol. Pis. Ent., 42 (2): 313–318, 1972.
77. Warchalowski, A., Übersicht der westpalaarktischen Arten der Gattung *Longitarsus* Berthold, 1827 (Coleoptera: Chrysomelidae: Halticinae). International Journal of Invertebrate Taxonomy (Supplement), Wroclaw, Poland, BS., 266 pp, 1996.
78. Warchalowski, A. Beitrag zur Kenntnis der koreanischen Halticinae (Coleoptera, Chrysomelidae). Ann. Zool. Pol. Akad. Nauk, 27 (11): 225–236, 1969.
79. Doguet, S. *Longitarsus lateripunctatus personatus* WEISE, 1893. nouv. statut. (Col., Chrysomelidae). Nouv. Revue Ent. (N.S.), 6, (2): 172, 1989.
80. Doguet, S. Notes systématiques et écologiques sur divers Chrysomelidae paléarctiques, description de deux espèces nouvelles. L'Entomologiste, 35 (2): 49–55, 1979.
81. Leonardi, C. and S. Doguet. Studio critico sui *Longitarsus* del gruppo *pratensis* (Panzer) (Coleoptera, Chrysomelidae). Atti Soc. Ital. Sc. Nat. e Museo Civ. St. nat. Milano, 131 (2): 13–74, 1990.
82. Leonardi, C. Note su alcuni *Longitarsus* con descrizione di due nuove specie e citazione di quattro entità nuove per la fauna europea (Coleoptera Chrysomelidae). Atti Soc. Ital. Sc. Nat. e Museo Civ. St. Nat. Milano, 116 (3–4): 199–217, 1975.
83. Leonardi, C. La spermateca nella sistematice del genere *Longitarsus* (Coleoptera Chrysomelidae). Atti Soc. Ital. Sc. Nat. e Museo Civ. St. Nat. Milano, 113 (1): 5–27, 1972.
84. Wittmer, W. Resultati scientifici delle cacce entomologiche di S. A. S. il Principe Alessandro della Torre e Tasso nelle Isole dell'Egeo. IV. Chrysomelidae et Cerambycidae. Boll. Lab. Zool. gen. agr. R. Ist. Sup. Agr. in Portici, Spoleto, 28: 282–289, 1935.
85. Bodemeyer, B. Über meine entomologischen Reisen: Stuttgart, p. 85–96, 1927.
86. Mohr, K.H. Bestimmungstabelle und Faunistik der mitteleuropäischen *Longitarsus* Arten. Ent. Blätter, 58 (2): 55–111, 1962.
87. Gruev, B. and O. Merkl. To the geographic distribution of the *Longitarsus pratensis* group (Coleoptera, Chrysomelidae, Alticinae). Folia Entomol. Hungarica, 52: 15–20, 1992.
88. Gruev, B. and J. Kral. Einige Alticiden, neu für Bulgarien, nebst taxonomischen Veerungen (Chrysomelidae, Phytophaga, Coleoptera). Entomologische Nachrichten, 19: 161–163, 1975.
89. Furth, D. Zoogeography and host plants of *Longitarsus* in Israel, with descriptions of six new species (Coleoptera, Chrysomelidae). Is. Jour. Ent., 13: 79–124, 1979.
90. Warchalowski, A. Die in der Mongolei erbeuteten Halticinae (Coleoptera, Chrysomelidae). Fragm. Faunist. Pol. Akad. Nauk, 20 (5): 53–60, 1974.
91. Doguet, S. Coléoptères Chrysomelidae Alticinae. Faune de France, 80, (2), 694 pp, 1994.
92. Pic, M. Sur divers Alticides de la Turquie d'Asie Principalement et de l'Europe Méridionale (Coleoptera, Phytophaga). Bull. Soc. ent. Fr., 109: 226–228, 1909.
93. Heikertinger, F. Halticinae in: "Bericht der Sektion für Koleopterologie". Verh. zool.–bot. Ges. Wien, 60, 1910.
94. Heikertinger, F. Monographie der Halticinengattung *Orestia* Germ. (Col., Chrysom). Verh. zool.–bot. Ges. Wien, 74: 56–125, 1924.
95. Leonardi, C. Considerazioni su alcune *Orestia* con destrizione di una nuova specie dell' Asia Minore (Coleoptera, Chrysomelidae). Nature, Soc. ita. Sci. nat. e Museo civ. Stor. nat. e Aquaro civ. Milano, 68 (1–2): 123–131, 1977.
96. Gruev, B. Neue Agnaben Über einigen palaarktischen Blattkafer und Beschreibung von zwei neuen Alticinae aus Bulgarien (Coleoptera, Chrysomelidae). Acta Zool. Bulgarica, 8: 65–73, 1977.
97. Gruev, B. New distributional data about some species of Chrysomelidae (Coleoptera) in the Palearctic region. Trav. Sci. Univ. Plovdiv. Bulgaria, Biol., 29, (6): 43–45, 1991.
98. Heikertinger, F. Bestimmungstable der palaarktischen *Phyllotreta* Arten. Kol. Rundschau, 27: 25–122, 1941.
99. Pic, M. Sur divers Phytophages paléarctiques et exotiques (Coleoptera). Bull. Soc. ent. Fr., p. 305–307, 1910a.
100. Biondi, M. Osservazioni su alcuni tipi di Chrysomelidae Alticinae conservati nel Museo regionale di Scienze naturali di Torino (Coleoptera). Boll. Mus. reg. Sci. nat. Torino, 10 (2): 307–331, 1992a.
101. Doguet, S. Désignation de lectotypes pour *Phyllotreta erysimi* Weise (Coleoptera, Chrysomelidae). Nouv. Revue Ent. (N.S.), 1, (1): 104, 1984.
102. Heikertinger, F. Bestimmungstabelle der Halticinengattung *Psylliodes* aus dem palaarctischen Gebiete. II. Die helltarbigen Arten. Kol. Rundschau, 12: 101–138, 1926.
103. Heikertinger, F. Zur Kenntnis der Halticinengattung *Psylliodes* (Coleoptera, Chrysomelidae). Ant. Blätter, 1–3: 29–47, 1916.
104. Heikertinger, F. Bestimmungstabelle der Halticinengattung *Psylliodes* aus dem palaarktischen Gebiete mit Ausschluss Japans und der Kanarischen Inseln. Kol. Rundschau, 9 (1): 39–62, 1921.a

105. Alkan, B. Konya Hububat tarlalarında ilk defa rastlanan bir toprak pire böceği *Psylliodes elliptica* All. Koruma, (3), 21: 5–6, 1961.
106. Leonardi, C. and Arlond, U. Due nuove specie di *Psylliodes* della regione mediterranea orientale (Coleoptera, Chrysomelidae). Atti Soc. it. Sci. nat. e Museo civ. Stor. nat. Milano, 134/1993 (2): 299–311, 1995.
107. Doguet, S. Description d'une nouvelle espèce méditerranéenne de *Psylliodes* (Coleoptera, Chrysomelidae). Nouv. Revue Ent. (N. S), 9, (4): 357–364, 1992.
108. Leonardi, C. Considerazioni sulle *Psylliodes* del gruppo naip e descrizione di una nuova specie (Coleoptera, Chrysomelidae). Atti Soc. Ital. Sc. Nat. e Museo Civ. St. Nat. Milano, 112 (4): 485–533, 1971.
109. Ruffo, S. Contributi alla conoscenza della distribuzione dei coleotteri chrysomelidi nella regione Appenninica. 2. Alticini: generi *Sphaeroderma*, *Argopus*. Mem. Mus. Civ. St. Nat. Verona, 12: 97–106, 1964.