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Faunistic records of Silphidae (Coleoptera) from Turkey

Faunistické údaje o mrchožroutovitých broucích (Coleoptera: Silphidae) z Turecka

Jiří HÁVA[1)], Jan RŮŽIČKA[2)] & Jan SCHNEIDER[3)]

[1)]Šluknovská 319, CZ-190 00 Praha 9, Czech Republic
[2)]Department of Ecology, Faculty of Forestry, Czech Agricultural University,
CZ-165 21 Praha 6, Czech Republic
[3)]Lípová 15, CZ-120 00 Praha 2, Czech Republic

Faunistics, Coleoptera, Silphidae, Turkey

Abstract. Records of 22 species of Silphidae, collected mainly by the Czech and Slovak entomologists in Turkey during the years 1990-1997, are presented. The first reliable records of *Phosphuga atrata atrata* (Linnaeus, 1758), *Dendroxena quadrimaculata* (Scopoli, 1772), *Oiceoptoma thoracica* (Linnaeus, 1758), *Nicrophorus confusus* Portevin, 1924, *N. fossor fossor* Erichson, 1837, *N. humator* (Gleditsch, 1767), *N. investigator* Zetterstedt, 1824, *N. vespilloides* Herbst, 1784 and *N. vestigator* Herschel, 1807 from Turkey are reported. The known distribution of *Ablattaria arenaria* (Kraatz, 1876), *A. laevigata* Fabricius, 1775, *Aclypea undata* (O. F. Müller, 1776) and *Silpha obscura* Linnaeus, 1758 in Turkey is figured. A check-list of all species of Silphidae known from Turkey is provided.

INTRODUCTION

Information about occurrence of carrion beetles in Turkey is scattered in many papers of Portevin (summarized in Portevin 1926), Hatch (1928), Hlisnikovský (1932), Shchegoleva-Barovskaya (1933) and Schawaller (1979, 1980, 1981, 1996). No paper detailing the distribution of Silphidae in Turkey has been published till now.

During the years 1990-1997, numerous collecting trips to Turkey undertaken mainly by Czech and Slovak entomologist resulted in a rich material that was placed at our disposal. Altogether, 355 specimens belonging to 22 species have been collected on more than 90 localities. An annotated list of the records is presented below.

MATERIAL AND METHODS

The names of localities are treated according to Anonymous (1990). All localities (see Fig. 1) are numbered in the order (1) from west to east and (2) from north to south. Distributional maps (Figs 2-4) present only localities of the material examined in this paper. Numbers of specimens are mostly given in the form: number of males / number of females. If not otherwise stated, the material was determined by J. Háva or J. Růžička or J. Schneider.

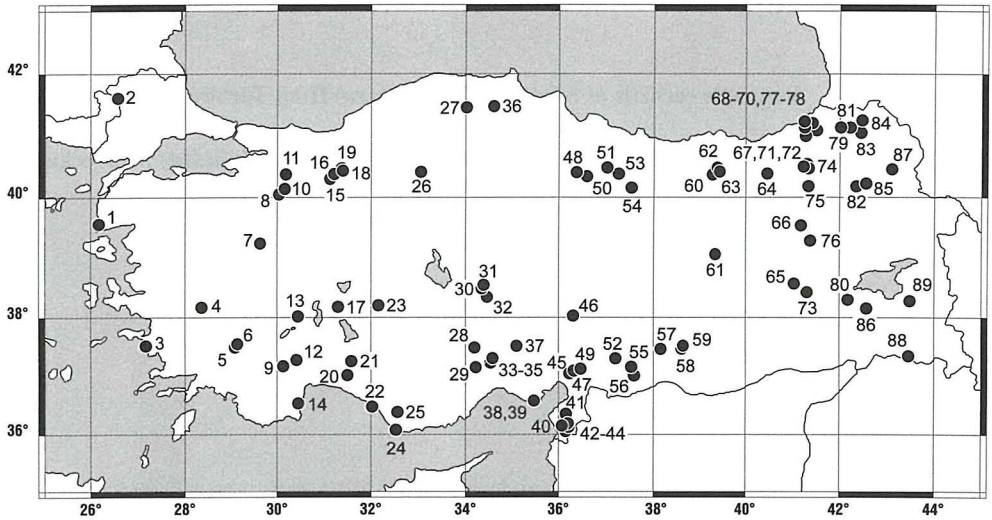


Fig. 1. The map of Turkey with indicated localities: 1 - Truva (Troja); 2 - Edirne; 3 - Efes; 4 - Sobran env., Porsuk Baraji; 5 - Hierapolis; 6 - Pamukkale; 7 - Kütahya; 8 - Küplü; 9 - Kemer; 10 - Besevler; 11 - Erdemli; 12 - Bucak env.; 13 - Barla; 14 - Antalya; 15 - Mudurnu; 16 - Abant; 17 - Engilli; 18 - Bolu; 19 - Bolu env., Abant Gölü [lake]; 20 - Akseki; 21 - Kesecik; 22 - Gündoğmuş; 23 - Karakurt; 24 - Anamur; 25 - Ermenek; 26 - Saçakbeli Geçidi [pass]; 27 - Yaraligöz [mt.]; 28 - Zengen; 29 - Bolkar Dağlari; 30 - Gümüşkent; 31 - Hacıbektaş; 32 - Göre; 33 - Kegemelı; 34 - Pozantı; 35 - Fındıklı; 36 - Dranoz; 37 - Demirkazık; 38 - Yumurtalık İskelesi; 39 - Yumurtalik; 40 - Antakya; 41 - Belen Geçidi; 42 - Altınözü; 43 - Demirköprü; 44 - Tell Acana; 45 - Yarpuz; 46 - Göksun; 47 - Hasanbeyli; 48 - Erbaa; 49 - Kömürler; 50 - Niksar; 51 - Akkuş; 52 - Pazarcık; 53 - Harçbeli Geçidi [pass]; 54 - Koyulhisar; 55 - Halfeti; 56 - Birecik; 57 - Adiyaman; 58 - Narince; 59 - Nemrut Dağı [mts]; 60 - Zigana Geçidi [pass]; 61 - Tunceli; 62 - Maçka; 63 - Sumelas; 64 - Sivrikaya; 65 - Buglan Geçidi [pass]; 66 - Erzurum; 67 - Yaylalar; 68 - Hopa Geçidi [pass]; 69 - Kobak; 70 - Biçakçilar; 71 - Parchalı; 72 - Sarıgöl; 73 - Muş; 74 - Yusufeli; 75 - Tortum; 76 - Erzincan; 77 - Borçka; 78 - Artvin, Alaca Dağı [mts]; 79 - Konakli; 80 - Tatvan; 81 - Şavşat; 82 - Sarıkamiş; 83 - Ardahan; 84 - Posof; 85 - Yalnizçam Pass; 86 - Göründü; 87 - Susuz; 88 - Hakkâri; 89 - İspir.
Obr. 1. Mapa Turecka s vyznačenými lokalitami (viz výše).

LIST OF COLLECTIONS AND THEIR ABBREVIATIONS

IR - collection of Ingvar Rydh, Olofström, Sweden;
JB - coll. Jiří Brokeš, Litomyšl;
JH - coll. Jiří Háva, Praha;
JK - coll. Jiří Krátký, Hradec Králové;
JR - coll. Jan Růžička, Praha;
JS - coll. Jan Schneider, Praha;
MB - coll. Milan Boukal, Vysoké Mýto;
MK - coll. Milan Kuboň, Ostrava;
MS - coll. Miroslav Snížek, České Budějovice;
PK - coll. Petr Kabátek, Praha;
PV - coll. Pavel Vonička, Liberec;
RN - coll. Roman Nerger, Čelákovice;
SL - coll. Stig Lundberg, Luleå, Sweden;
SN - coll. Shûhei Nomura, Tokyo, Japan;
ŠA - coll. Jaroslav Šafanda, Praha;
VS - coll. Vladimír Skoupý, Žilina nr. Kamenné Žehrovice;
ZC - coll. Zdeněk Černý, Mírovice;
ZM - coll. Zdeněk Malinka, Opava;
ZS - coll. Zdeněk Švec, Praha;
ZZ - coll. Zdeněk Znamenáček, Praha;
SMNS - Staatliches Museum für Naturkunde, Stuttgart (W. Schawaller).

RESULTS

Phosphuga atrata atrata (Linnaeus, 1758)

Material examined. Turkey: Abant, 1.vi.1991, V. Skoupý lgt, 1/- (JS); Ordu env., Harsbelli Geçidi [pass], 1590 m, 6.vi.1994, M. Janata lgt, -/1 (JS); 25 km N of Sarıgöl, Biçakçilar,

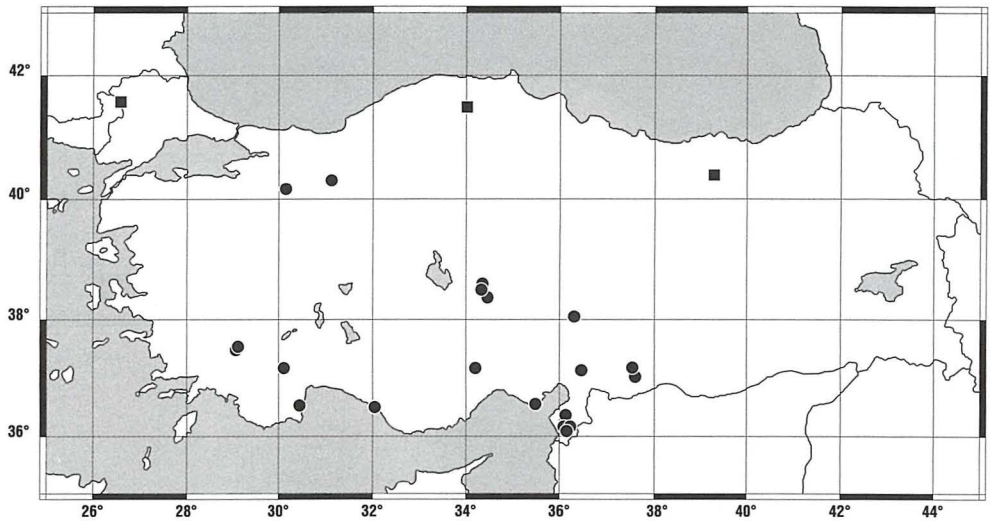


Fig. 2. Distribution of *Ablattaria arenaria* (Kraatz) (circles) and *A. laevigata* Fabricius (squares) in Turkey.
Obr. 2. Rozšíření druhů *Ablattaria arenaria* (Kraatz) (kolečka) a *A. laevigata* Fabricius (čtverečky) v Turecku.

13.vii.1996, M. Šárovec lgt., 1/- (JR); Borçka env., vii.1990, J. Háva senior lgt., 3/1 (JH). Palaearctic species. The first reliable records from Turkey.

Ablattaria arenaria (Kraatz, 1876)

Material examined. Turkey: Denizli env., Hierapolis, 13.iv.1992, O. Hovorka lgt., -/1 (SN); Pamukkale, 28.iv.1992, O. Kapler lgt., -/1 (JR); Antalya env., Kemer, 18-31.v.1991, I. Rydh lgt., -/1 (IR); Gölpazarı env., Besevler, 450 m, 28-30.v.1996, I. Smatana lgt., 1/- (JR); Antalya 5, 3.vi.1992, I. Rydh lgt., -/1 (IR); Mudurnu env., 20.v.1996, I. Smatana lgt., 2/- (JR); Gündoğmuş, 12.vi.1992, S. Lundberg lgt., -/1 (SL); Bolkar Dağları [mts], Damlama, 2.v.1992, P. Vonička lgt., -/1 (PV); Gümüşkent, 20.iv.1992, O. Kapler lgt., -/1 (JS); Hacıbektaş, 20.iv.1992, M. Kocian lgt., -/1 (JR); Nevşehir env., Göre, 21.iv.1992, M. Kocian lgt., -/1 (JR); Deveciuşağı env., Yumurtalık İskelesi, 14.v.1995, R. Reitmaier lgt., 2/- (JH); ditto, 25.v.1993, M. Šárovec lgt., 1/2 (JH); ditto, 25.v.1993, P. Průdek lgt., 1/- (JR); Antakya env., 23.iv.1992, M. Boukal lgt., -/1 (MB); İskenderun env., Belen Geçidi [pass], 9.vi.1992, Z. Švec lgt., 1/2 (JS,SN); Altınözü, 22.iv.1992, O. Kapler lgt., -/1 (JR); Antakya env., Demirköprü, 9.vi.1992, R. Nerger lgt., 1/2 (RN); ditto, 14.v.1995, J. Mertlik lgt., -/2 (JS); Antakya env., Tell Acana, 14.v.1995, T. Kopecký lgt., -/1 (JH); Göksun, 8.iv.1992, M. Šárovec lgt., -/1 (JH); Bahçe env., Kömürler, 2.v.1995, P. Sekerka lgt., 1/- (ZZ); Birecik env., Halfeti, 3.v.1994, M. Janata lgt., 1/1 (JS); ditto, 10.iv.1992, O. Hovorka lgt., -/1 (JR); Birecik, 9.iv.1992, O. Hovorka lgt., 1/1 (JS).

Known from Greece, Crete, Cyprus, Israel, Iraq, Iran and south-western Caucasus; from Turkey mentioned by Portevin (1926), Hatch (1928) and Schawaller (1979). The species is distributed mainly in central and western part of southern Turkey; however, two records are known also from north-western Turkey (Fig. 2).

Ablattaria laevigata Fabricius, 1775

Material examined. Turkey: Edirne, 16.v.1993, P. Průdek lgt., -/1 (JR); ditto, J. Krátký lgt., 1/- (JK); ditto, 3.vii.1993, F. Kantner lgt., -/1 (JR); Küre Dağları [mts], Yaraligöz [mt.], 4.vi.1991, V.

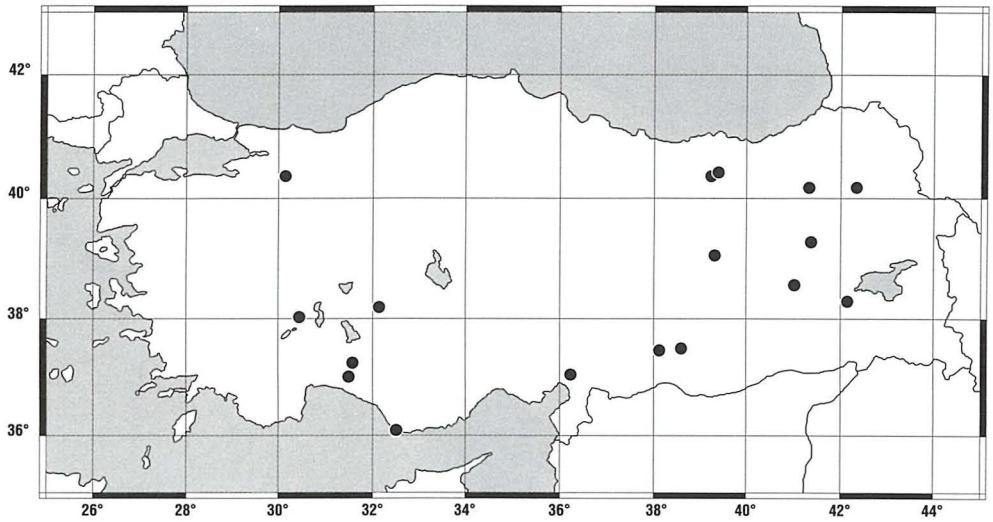


Fig. 3. Distribution of *Aclypea undata* (O. F. Müller) in Turkey.
Obr. 3. Rozšíření druhu *Aclypea undata* (O. F. Müller) v Turecku.

Skoupý lgt., 1/1 (JS); road Trabzon - Zigana Geçidi [pass], 13.vi.1993, J. Šafanda lgt., 2/- (JH, ŠA); Kalkanlı Dağları [mts], Zigana Geçidi [pass], 1850-1900 m, 2.viii.1993, H. Willberg lgt., -/1 (JS). Known from central and southern Europe; from Turkey mentioned by Portevin (1926), Hatch (1928) and Schawaller (1979). The species is known only from extreme north of Turkey (Fig. 2).

Dendroxena quadrimaculata (Scopoli, 1772)
Material examined. Turkey: Tunceli, vi.1993, J. Šafanda lgt., 1/1 (ŠA).
European species. The first reliable record from Turkey.

Aclypea undata (O. F. Müller, 1776)
Material examined. Turkey: N of Erdemli, Merain, 1100 m, 9.-11.vi.1992, I. Rydh lgt., 1/- (IR); Barla Dağı [mts], 29.iv.1992, Z. Malinka lgt., 1/- (ZM); ditto, 29.iv.1992, O. Kapler lgt., 2/- (JR); Akseki, 2.vi.1996, Z. Švec lgt., -/1 (JR); Kesecik env., 19 km S of Ilgaz, 1300 m, 30.v.1994, J. Fryman lgt., 1/- (JH); Karakurt env., vi.1990, S. Pokorný lgt., 1/- (JS); ditto, 1.vii.1993, O. Hovorka lgt., -/3 (JR); Anamur env., Melleç river, 26.iv.1992, M. Janata lgt., 1/1 (JS); Yarpuz, 4.vi.1989, I. Rydh lgt., 1/- (IR); Nemrut Dağı [mts], Adiyaman, 9.vi.1996, M. Snížek lgt., 1/3 (JR, MS); Nemrut Dağı [mts], Narince, 2.-8.vi.1995, M. Johanides lgt., -/1 (JH); Nemrut Dağı [mts], Karadut, 14.v.1997, Z. Martinová lgt., -/1 (ZZ); Nemrut Dağı [mts], 2.vi.1994, Z. Černý lgt., 1/- (ZC); ditto, 2200 m, 1.-2.vi.1994, J. Rolčík lgt., 2/- (JS); Zigana Geçidi [pass], 13.vi.1993, M. Janata lgt., 1/1 (JS); Tunceli, 15.vi.1993, J. Šafanda lgt., -/1 (ŠA); road Maçka - Sumelas, 5.vii.1993, F. Kantner lgt., 3/1 (JR); road Trabzon - Sumelas, 4.vii.1996, M. Šárovec lgt., -/2 (JH, JS); Kagkar Dağı [mts], Sumelas, v.1995, Husout lgt., 7/2 (JS); Buglan Geçidi [pass], 1640 m, 13.vi.1991, M. Janata lgt., 2/2 (JS); Tortum, 3.iv.1992, Z. Švec lgt., 1/- (JR); Erzincan env., Karakaya Dağı [mts], 21.vi.1992, M. Janata lgt., 2/- (JS); Tatvan, 6.vi.1992, Z. Švec lgt., -/1 (JS); Güllü Dağları [mts], Sarıkamiş, 8.vi.1992, M. Janata lgt., 1/- (JS).

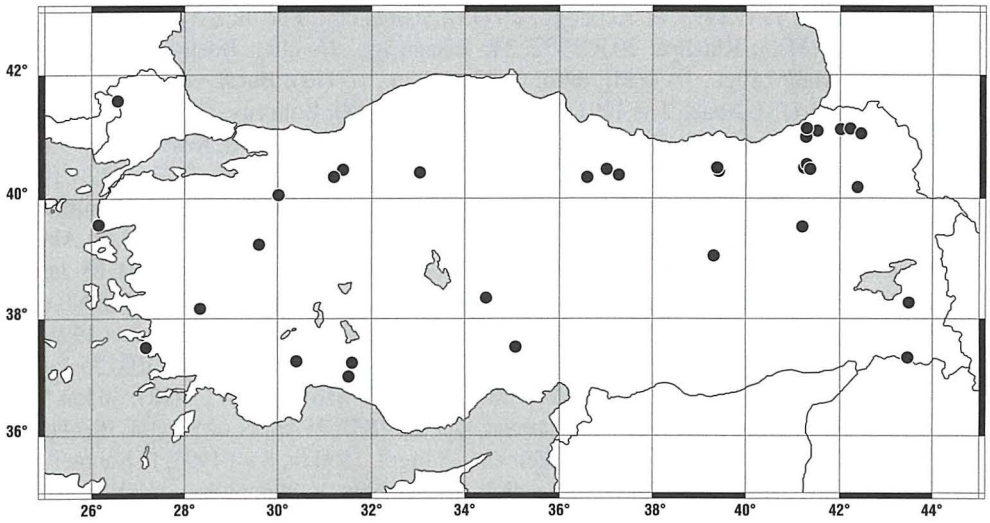


Fig. 4. Distribution of *Silpha obscura* Linnaeus in Turkey.
Obr. 4. Rozšíření druhu *Silpha obscura* Linnaeus v Turecku.

Palaearctic species; from Turkey mentioned by Portevin (1926), Hatch (1928), Nikolaev (1990) and Schawaller (1996). The species is distributed mainly in western and southern part of Turkey (Fig. 3).

Thanatophilus rugosus (Linnaeus, 1758)
Material examined. Turkey: Barla env., 5.vii.1993, M. Kuboň lgt., /-1 (MK); Pozantı, 2.vi.1991, M. Janata lgt., 4/6 (JS); Pozantı env., Fındıklı, 16.iv.1992, O. Hovorka lgt., -/3 (JS); Pazarcık env., 5.vi.1994, M. Šárovec lgt., 1/- (JH); Koyulhisar, 10.vi.1991, V. Skoupý lgt., 2/4 (JH, JS); Nemrut Dağı [mts], vi.1995, J. Mička lgt., 1/5 (JS); İspir, 2000 m, 1.vii.1996, I. Marvan & J. Odehnal lgt., 1/- (JR).
Palaearctic species; from Turkey mentioned by Portevin (1926), Hatch (1928) and Schawaller (1981).

Thanatophilus sinuatus (Fabricius, 1775)
Material examined. Turkey: Maçka, vi.1994, P. Kabátek lgt., 1/1 (PK); 30 km N of Sarıgöl, Kobak, 14.vii.1996, M. Šárovec lgt., -/1 (JR); 25 km N of Sarıgöl, Biçakçilar, 13.vii.1996, M. Šárovec lgt., 1/- (JR); Van Gölü [lake], 5 km E of Göründü, 29.vi.1993, M. Kuboň lgt., 1/- (MK); İspir, 2000 m, 1.vii.1996, I. Marvan & J. Odehnal lgt., 1/- (JR).
Palaearctic species; from Turkey mentioned by Portevin (1926), Hatch (1928) and Schawaller (1981).

Thanatophilus terminatus (Hummel, 1824)
Material examined. Turkey: Göre, 21.iv.1992, O. Kapler lgt., 3/2 (JS); Kegemelı, 17.iv.1992, M. Šárovec lgt., 1/- (JH); Nemrut Dağı [mts], Narince, 2-8.vi.1995, J. Mička lgt., -/2 (JS).
Known from Crimea, Syria to Iran and Turkestan; from Turkey reported by Schawaller (1981).

Silpha obscura Linnaeus, 1758
Material examined. Turkey: Truva (Troja), 2.vii.1988, R. Sauer lgt., -/1 (JS); ditto, 29.iv.1992, P. Vonička lgt., -/1 (PV); Edirne, 16.v.1993, P. Průdek lgt., -/2 (JR); ditto, 16.v.1993, J. Krátký

lgt., 2/1 (JK); Efes, 19.iv.1993, D. Keith lgt., 2/- (JS); Sobran env., Porsuk Baraji, 8.vii.1993, M. Kuboň lgt., -/1 (MK); Kütahya, 30.iv.1992, M. Kocian lgt., 1/- (JR); Bozüyük env., Küplü, 30.iv.1992, Z. Malinka lgt., 1/- (ZM); ditto, O. Kapler lgt., 1/- (JS); Bucak env., 18.vi.1996, P. Zahradník lgt., 1/- (JS); Abant, 1.vi.1991, V. Skoupý lgt., -/4 (JS); Bolu env., 22.vi.-8.vii.1993, O. Hovorka lgt., -/1 (JR); Akseki, 1200 m, 12-23.vi.1994, I. Rydh lgt., 2/- (IR); Kesecik env., 19 km S of Ilgaz, 1300 m, 30.v.1994, Z. Švec lgt., 1/1 (ZS); Saçakbeli Geçidi [pass], 1473 m, 29.v.1994, Z. Černý lgt., 1/- (JS); Göre, 21.iv.1992, O. Kapler lgt., 1/- (JS); Ala Dağları [mts], Demirkazık, 1600 m, 2.vii.1993, P. Bulirsch lgt., 1/1 (JS); Niksar, vi.1991, J. Šafanda lgt., 1/- (ŠA); Akkuş, vi.1991, J. Šafanda lgt., 2/- (ŠA); Ordu env., Harçbeli Geçidi [pass], 1590 m, 6.vi.1994, M. Janata lgt., 1/1 (JS); Tunceli env., Karaoğlan Dağ [mt.], 4.vi.1993, J. Šafanda lgt., 7/8 (JH,ŠA); road Trabzon - Maçka, vi.1994, P. Kabátek lgt., 1/- (PK); road Trabzon - Sumelas, 2.vi.1995, R. Reitmaier lgt., -/1 (JH); 15 km N of Erzurum, 12.vi.1996, M. Snížek lgt., 2/- (JR); 35 km of Sarıgöl, Kaçkar Dağı [mts], Yaylalar, 3000 m, 18.vii.1996, M. Šárovec lgt., 1/- (JR); 30 km N of Sarıgöl, Kobak, 2800 m, 14.vii.1996, M. Šárovec lgt., 5/5 (JH); 25 km N of Sarıgöl, Biçakçilar, 13.vii.1996, M. Šárovec lgt., -/1 (JR); Yusufeli env., Sarıgöl, 1800 m, 8.vii.1993, F. Kantner lgt., 1/1 (JR); ditto, M. Šárovec lgt., 2/1 (JH); Yusufeli env., vi.1994, V. Skoupý lgt., 1/- (VS); Artvin env., Alaca Dağı [mts], vi.1994, M. Janata lgt., 2/1 (JS); 20 km N of Ardanuç, Konakli, 10.vii.1996, M. Šárovec lgt., 20/21 (JH); Şavşat, 1600 m, 23.vi.1992, D. Keith lgt., 2/3 (JS); dtto, 18.v.1997, Z. Martinová lgt., -/1 (ZZ); Şavşat env., Çamlıca, 18.vi.1992, M. Janata lgt., 4/6 (JS); Güllü Dağları [mts], Sarıkamis, 8.vi.1992, M. Janata lgt., 1/3 (JS); Ardahan, 17.-18.v.1997, Z. Martinová lgt., 5/1 (ZZ); Hakkâri env., 15 km E of Kotranis, 1600 m, 20.vi.1987, Hillman & Moberg lgt., 1/- (SL); 10 km N of İspir, 1600 m, 27.vii.1992, D. Keith lgt., -/2 (JS).
Palaearctic species; from Turkey mentioned by Portevin (1926), Hatch (1928) and Schawaller (1980). Distributed throughout all the territory of Turkey (Fig. 4).

Silpha tristis Illiger, 1798
Material examined. Turkey: 25 km N of Sarıgöl, Biçakçilar, 13.vii.1996, M. Šárovec lgt., 1/- (JR); road Yusufeli - Sarıgöl, 1800 m, 8.vii.1993, F. Kantner lgt., 2/- (JS); 20 km N of Ardanuç, Konakli, 10.vii.1996, M. Šárovec lgt., -/1 (JH).
Known from Europe, Caucasus and Iran; from Turkey mentioned by Hatch (1928).

Oiceoptoma thoracica (Linnaeus, 1758)
Material examined. Turkey: road Maçka - Sumelas, 5.vii.1993, F. Kantner lgt., -/1 (JR); Ovit Dağı [mts], Sivrikaya, vi.1994, V. Skoupý lgt., 1/- (JH).
Palaearctic species. The first reliable records from Turkey.

Necrodes littoralis (Linnaeus, 1758)
Material examined. Turkey: Göksun, 8.iv.1992, M. Šárovec lgt., -/1 (JH).
Palaearctic species; from Turkey mentioned by Portevin (1926) and Hatch (1928).

Nicrophorus antennatus Reitter, 1884
Material examined. Turkey: Hasanbeyli, 29.v.-1.vi.1995, J. Mička lgt., 1/- (JH); Nemrut Dağı [mts], Narince, 2.-8.vi.1995, J. Mička lgt., 2/1 (JS); Nemrut Dağı [mts], 7.vi.1992, R. Nerger lgt., 1/3 (JH); ditto, 2200 m, 1.-2.vi.1994, J. Rolčík lgt., 1/- (JS); ditto, 2.vi.1994, Z. Černý lgt., 1/- (ZC); Muş, 1500 m, 18.vi.1991, M. Janata lgt., 1/- (JS).

Known from Europe, Caucasus, Turkestan, Mongolia and Manzhuria; from Turkey mentioned by Hlisnikovský (1932).

Nicrophorus confusus Portevin, 1924

Material examined. Turkey: NE of Ardahan, montane steppe between Damal and Posof, 7.viii.1978, W. Heinz lgt., W. Schawaller det., 1 spec. (SMNS); Bilbilan env., Yalnizçam Geçidi [pass], 2000-2600 m, 13.viii.1978, W. Heinz lgt., W. Schawaller det., 2 spec. (SMNS).
Known from Tian Shan mts and Caucasus. The first reliable records from Turkey.

Nicrophorus fossor fossor Erichson, 1837

Material examined. Turkey: Erbaa, 15.vi.1994, V. Skoupý lgt., 3/2 (JH, JS); Akkuş env., Dumankepe, 1005 m, vii.1991, D. Keith lgt., 2/1 (JS); 20 km of Ardanuç, Konakli, 10.vii.1995, M. Šárovec lgt., -/1 (JS).
Palaearctic species. The first reliable records from Turkey.

Nicrophorus germanicus (Linnaeus, 1758)

Material examined. Turkey: Sultan Dağları [mts], Engilli, 26.iv.1990, J. Mertlik lgt., -/1 (JS); Toros Dağları [mts], Ermenek, 1250 m, 7.vi.1987, Hillman & Moberg lgt., 1/- (SL); Zengen, 28.iv.1995, P. Pucholt lgt., 1/- (JS); Kurşunlu env. [only ambiguously located], 23.v.-13.vi.1996, Z. Hanousek & J. Hron lgt., 7/2 (JH).
Known from Europe, Caucasus, Syria and Turkestan; from Turkey mentioned by Portevin (1926), Hatch (1928), Hlisnikovský (1932) and Shchegoleva-Barovskaya (1933).

Nicrophorus humator (Gleditsch, 1767)

Material examined. Turkey: Bolu env., Abant Gölü [lake], 1200 m, 4.-23.vi.1996, J. Vávra lgt., 1/- (JR); Dranoz, 6.vi.1991, V. Skoupý lgt., -/1 (JS); Hasanbeyli, 29.v.-1.vi.1995, J. Mička lgt., 1/- (JH); Nemrut Dağı [mts], Narince, 2.-8.vi.1995, J. Mička lgt., -/1 (JS); Nemrut Dağı [mts], 27.vi.1993, R. Nerger lgt., -/1 (RN); Kurşunlu env. [only ambiguously located], 23.v.-13.vi.1996, Z. Hanousek & J. Hron lgt., 1/- (JH).
Known from Europe, north Africa, Caucasus, Iran and Turkestan. The first reliable records from Turkey.

Nicrophorus investigator Zetterstedt, 1824

Material examined. Turkey: Kalkanlı Dağları [mts], Zigana Geçidi [pass], 26.vi.1996, M. Kalabza lgt., 1/- (JS).
Holarctic species. The first reliable record from Turkey.

Nicrophorus nigricornis Faldermann, 1835

Material examined. Turkey: Susuz env., 6.vi.1994, V. Skoupý lgt., 2/3 (JS,VS).
Known from France, Switzerland, Austria, Slovenia, Caucasus and Bulgaria; from Turkey mentioned by Hlisnikovský (1932).

Nicrophorus vespillo (Linnaeus, 1758)

Material examined. Turkey: Akkuş env., Dumankepe, 1005 m, vii.1991, D. Keith lgt., 1/2 (JS); Hopa Geçidi [pass], 4.vii.1996, V. Skoupý lgt, 7/4 (JH).
Palaearctic species; from Turkey mentioned by Portevin (1926).

Nicrophorus vespilloides Herbst, 1784

Material examined. Turkey: Nemrut Dağı [mts], 7.vi.1992, J. Stránský lgt., -/1 (JH).

Holarctic species. The first reliable record from Turkey.

Nicrophorus vestigator Herschel, 1807

Material examined. Turkey: Abant, 1.vi.1991, V. Skoupý lgt., -/1 (JS).

Palaearctic species. The first reliable record from Turkey.

Table 1. Species of Silphidae (Coleoptera) listed from Turkey (the following abbreviations are used: HA - Hatch, HL - Hlisnikovský, P - Portevin, S - Schawaller, SB - Shchegoleva-Barovskaya, HRS - this paper; * before species name - first reliable record from Turkey).

Tabulka 1. Druhy čeledi Silphidae (Coleoptera), uváděné z Turecka (použity následující zkratky: HA - Hatch, HL - Hlisnikovský, P - Portevin, S - Schawaller, SB - Shchegoleva-Barovskaya, HRS - tento článek; * před jménem druhu - první konkrétní údaj pro Turecko).

species / druh	reference(s) / citace
* *Phosphuga atrata atrata* (Linnaeus, 1758)	HRS
Ablattaria arenaria (Kraatz, 1876)	P 1926, HA 1928, S 1979, HRS
Ablattaria laevigata Fabricius, 1775	P 1926, HA 1928, S 1979, HRS
* *Dendroxena quadrimaculata* (Scopoli, 1772)	HRS
Aclypea undata (O. F. Müller, 1776)	P 1926, HA 1928, S 1996, HRS
Thanatophilus rugosus (Linnaeus, 1758)	P 1926, HA 1928, S 1981, HRS
Thanatophilus sinuatus (Fabricius, 1775)	P 1926, HA 1928, S 1981, HRS
Thanatophilus terminatus (Hummel, 1824)	S 1981, HRS
Silpha obscura Linnaeus, 1758	P 1926, HA 1928, S 1980, HRS
Silpha tristis Illiger, 1798	HA 1928, HRS
* *Oiceoptoma thoracica* (Linnaeus, 1758)	HRS
Necrodes littoralis (Linnaeus, 1758)	P 1926, HRS
Nicrophorus antennatus Reitter, 1884	HL 1932, HRS
* *Nicrophorus confusus* Portevin, 1924	HRS
* *Nicrophorus fossor fossor* Erichson, 1837	HRS
Nicrophorus germanicus (Linnaeus, 1758)	P 1926, HA 1928, HL 1932, SB 1933, HRS
* *Nicrophorus humator* (Gleditsch, 1767)	HRS
* *Nicrophorus investigator* Zetterstedt, 1824	HRS
Nicrophorus nigricornis Faldermann, 1835	HL 1932, HRS
Nicrophorus vespillo (Linnaeus, 1758)	P 1926, HRS
* *Nicrophorus vespilloides* Herbst, 1784	HRS
* *Nicrophorus vestigator* Herschel, 1807	HRS

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SOUHRN

Článek předkládá výsledky studia 355 exemplářů mrchožroutovitých brouků, sebraných převážně českými a slovenskými entomology v letech 1990 až 1997 v Turecku. Celkem bylo nalezeno 22 druhů čeledi Silphidae. První konkrétní údaje z území Turecka jsou uvedeny pro následujících devět druhů: *Phosphuga atrata atrata* (Linnaeus, 1758), *Dendroxena quadrimaculata* (Scopoli, 1772), *Oiceoptoma thoracica* (Linnaeus, 1758), *Nicrophorus confusus* Portevin, 1924, *N. fossor fossor* Erichson, 1837, *N. humator* (Gleditsch, 1767), *N. investigator* Zetterstedt, 1824, *N. vespilloides* Herbst, 1784 a *N. vestigator* Herschel, 1807. Na základě studovaného materiálu jsou u následujících čtyř druhů výsledky doplněny i o mapky nálezů na území Turecka: *Ablattaria arenaria* (Kraatz, 1876), *A. laevigata* Fabricius, 1775, *Aclypea undata* (O. F. Müller, 1776) a *Silpha obscura* Linnaeus, 1758. Článek je doplněn seznamem druhů, známých z území Turecka, spolu s přehledem literárních citací u každého druhu.