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ADDITIONAL NOTES ON THE HETEROPTERA FAUNA OF NEVŞEHİR PROVINCE (TURKEY)

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ABSTRACT

As a result of revised literatures for determination of the Heteroptera fauna of Nevşehir and a short touristic excursion in Nevşehir, 191 Heteroptera species were established.

Key Words: Nevşehir, Heteroptera, Fauna

NEVŞEHİR İLİ (TÜRKİYE) HETEROPTERA FAUNASINA KATKILAR

ÖZET

Nevşehir Heteroptera faunasının tespiti için yapılan literatür taraması ve bölgede düzenlenen kısa bir turistik gezi sonucunda Nevşehir’de 191 Heteroptera türünün yaşadığı tespit edilmiştir.

Anahtar Kelimeler: Nevşehir, Heteroptera, Fauna

1. GİRİŞ

Nevşehir Anadolu’nun orta kesiminde yer alır. Daha önceki çalışmalar incelendiğinde, Hoberlandt (1), Tuatay vd., (2), Önder (3), Pehlivan (4), Lodos, Önder (5), Önder, Lodos (6), Heiss, Pericart (7), Çakır (8), Abbas (9), Ahmad, Önder (10), Çakır, Önder (11), Yardım (12), Boz (13), Awad, Önder (14), Lodos vd. (15, 16, 17)’nin Nevşehir’den toplanan 155 Heteroptera türünden bahsettikleri tespit edilmiştir. Bu çalışma ile bilinen Heteroptera türlerine 36 tür eklenmiştir.

2. MATERYAL ve METOT

Bu çalışmada, 1992 yılının Temmuz ayında Avanos, Ürgüp ve Uçhisar (Nevşehir ili)’da düzenlenen kısa bir turistik gezi sonucunda toplam 51 Heteroptera türü toplanmıştır. Örnekler öldürme kavanozlarında öldürüldükten sonra yumuşatılmış ve iğnelenmiştir. Tüm örnekler Gazi Üniversitesi Zooloji Müzesinde (GÜZM) muhafaza edilmektedir.

Familiyaların sistematik listesi “Catalogue of the Heteroptera of the Palaearctic region” (18, 19, 20)’a göre düzenlenmiştir.

3. SONUÇLAR

(M=Erkek, MM=Erkekler, F= Dişi, FF=Dişiler)

TINGIDAE

Catoplatus nigriceps Horv., 1905

2FF, Uçhisar, 24/07/1992, 1300 m.

1. INTRODUCTION

Nevşehir is in the central part of Turkey. According to initial records, Hoberlandt (1), Tuatay et al.(2), Önder (3), Pehlivan (4), Lodos & Önder (5), Önder & Lodos (6), Heiss & Pericart (7), Çakır (8), Abbas (9), Ahmad, & Önder (10), Çakır & Önder (11), Yardım (12), Boz (13), Awad & Önder (14), Lodos et al. (15, 16, 17) it was reported that 155 Heteropteran species collected from Nevşehir were mentioned. 36 species were added to the Heteroptera fauna of Nevşehir with the present study.

2. MATERIAL and METHODS

In this study, 51 Heteropteran species were collected during a short touristic excursion in July, 1992 from Avanos, Ürgüp, Uçhisar district (Nevşehir province). Heteroptera species were collected by sweeping. Specimens were put into killing jars and then softened and pinned. All the specimens were deposited in Gazi University Zoology Museum (GUZM).

The systematic list of the families was given according to the “Catalogue of the Heteroptera of the Palaearctic region” (18, 19, 20).

3. RESULTS

(M=Male, MM=Males, F= Female, FF=Females)

TINGIDAE

Catoplatus nigriceps Horv., 1905

2FF, Uçhisar, 24/07/1992, 1300 m.

***Dictyla triconula* (Sdst., 1954)**

1M, Ürgüp, 22/07/1992, 1120 m., 2MM, 2FF, Avanos, 23/07/1992, 950 m.

***Monosteira lobulifera* Rt., 1888**

4MM, 5FF, Avanos, 23/07/1992, 1300 m.

MIRIDAE***Dereaocoris rutilus* (H.-S., 1838)**

1M, Avanos, 21/07/1992, 1100 m., 1F, Ürgüp, 22/07/1992, 1100 m.

***Brachycoleus decolor* Rt., 1887**

3FF, Uçhisar, 24/07/1992, 1300 m.

***Oncotylus setulosus* (H.-S., 1837)**

1M, 1F, Avanos, 20/07/1992, 980 m., 1 M, 1F, 1000 m., 2MM, 2FF, 23/07/1992, 1130 m., 2MM, 5FF, Uçhisar, 24/07/1992, 1300 m.

NABIDAE***Nabis punctatus* C., 1847**

1F, Avanos, 21/07/1992, 1130 m, 1M, 23/07/1992, 980 m.

REDUVIIDAE***Rhinocoris punctiventris* H.-S., 1846**

1F, Avanos, 20/07/1992, 1000 m., 2FF, 21/07/1992, 1130 m., 1M, 23/07/1992, 1050 m.

***Reduvius pallipes* (Klg., 1839)**

1F, Avanos, 21/07/1992, 1130 m.

BERYTIDAE***Berytinus minor* (H.-S., 1835)**

1F, Avanos, 23/07/1992, 950 m., 1M, Uçhisar, 24/07/1992, 1370 m.

LYGAEIDAE***Lygaeus equestris* (L., 1758)**

1M, Avanos, 20/07/1992, 1050 m., 1M, 2FF, 23/07/1992, 980 m.

***Spilostethus saxatilis* (Scop., 1763)**

1M, Avanos, 21/07/1992, 950 m.

***Lygaeosoma reticulatum* (H.-S., 1838)**

1M, 1F, Avanos, 23/07/1992, 970 m.

***Nysius ericae* (Schl., 1829)**

5MM, Avanos, 20/07/1992, 1050 m., 3MM, 3FF, Uçhisar, 24/07/1992, 1370 m.

***Piocoris erythrocephalus* (P. & S., 1825)**

2MM, 1F, Avanos, 23/07/1992, 950 m.

***Heterogaster affinis* H.-S., 1835**

1M, Uçhisar, 24/07/1992, 1370 m.

***Oxycarenus pallens* (H.-S., 1850)**

1M, Uçhisar, 23/07/1992, 1300 m., 2FF, Avanos, 23/07/1992, 950 m.

Rhyparochromus concors* (Hv., 1878)**Dictyla triconula* (Sdst., 1954)**

1M, Ürgüp, 22/07/1992, 1120 m., 2MM, 2FF, Avanos, 23/07/1992, 950 m.

***Monosteira lobulifera* Rt., 1888**

4MM, 5FF, Avanos, 23/07/1992, 1300 m.

MIRIDAE***Dereaocoris rutilus* (H.-S., 1838)**

1M, Avanos, 21/07/1992, 1100 m., 1F, Ürgüp, 22/07/1992, 1100 m.

***Brachycoleus decolor* Rt., 1887**

3FF, Uçhisar, 24/07/1992, 1300 m.

***Oncotylus setulosus* (H.-S., 1837)**

1M, 1F, Avanos, 20/07/1992, 980 m., 1 M, 1F, 1000 m., 2MM, 2FF, 23/07/1992, 1130 m., 2MM, 5FF, Uçhisar, 24/07/1992, 1300 m.

NABIDAE***Nabis punctatus* C., 1847**

1F, Avanos, 21/07/1992, 1130 m, 1M, 23/07/1992, 980 m.

REDUVIIDAE***Rhinocoris punctiventris* H.-S., 1846**

1F, Avanos, 20/07/1992, 1000 m., 2FF, 21/07/1992, 1130 m., 1M, 23/07/1992, 1050 m.

***Reduvius pallipes* (Klg., 1839)**

1F, Avanos, 21/07/1992, 1130 m.

BERYTIDAE***Berytinus minor* (H.-S., 1835)**

1F, Avanos, 23/07/1992, 950 m., 1M, Uçhisar, 24/07/1992, 1370 m.

LYGAEIDAE***Lygaeus equestris* (L., 1758)**

1M, Avanos, 20/07/1992, 1050 m., 1M, 2FF, 23/07/1992, 980 m.

***Spilostethus saxatilis* (Scop., 1763)**

1M, Avanos, 21/07/1992, 950 m.

***Lygaeosoma reticulatum* (H.-S., 1838)**

1M, 1F, Avanos, 23/07/1992, 970 m.

***Nysius ericae* (Schl., 1829)**

5MM, Avanos, 20/07/1992, 1050 m., 3MM, 3FF, Uçhisar, 24/07/1992, 1370 m.

***Piocoris erythrocephalus* (P. & S., 1825)**

2MM, 1F, Avanos, 23/07/1992, 950 m.

***Heterogaster affinis* H.-S., 1835**

1M, Uçhisar, 24/07/1992, 1370 m.

***Oxycarenus pallens* (H.-S., 1850)**

1M, Uçhisar, 23/07/1992, 1300 m., 2FF, Avanos, 23/07/1992, 950 m.

1 M, Avanos, 21/07/1992, 1130 m.

***Rhyparochromus lynceus* (F., 1775)**

1M, 1F, Ürgüp, 22/07/1992, 1100 m., 1M, Avanos, 20/07/1992, 1050 m., 1M, 21/07/1992, 1130 m., 1F, 21/07/1992, 1100 m., 2MM, Uçhisar, 24/07/1992, 1300 m.

***Emblethis denticollis* Hv., 1878**

1M, Avanos, 21/07/1992, 1130 m.

PYRRHOCORIDAE

***Pyrrhocoris apterus* (L., 1758)**

1M, Ürgüp, 22/07/1992, 1090 m.

COREIDAE

***Syromastus rhombeus* (L., 1758)**

3MM, Avanos, 20/07/1992, 1000 m.

***Centrocoris spiniger* (F., 1781)**

1M, Avanos, 23/07/1992, 980 m.

***Coriomeris affinis* (H.-S., 1839)**

1M, Avanos, 21/07/1992, 1130 m.

ALYDIDAE

***Camptopus illustris* Horv., 1899**

1M, Avanos, 23/07/1992, 980 m.

***Camptopus lateralis* (Gm., 1817)**

1F, Avanos, 21/07/1992, 1100 m., 1F, 21/07/1992, 1130 m., 1F, Uçhisar, 24/07/1992, 1370 m.

***Camptopus tragacanthae* Klnt., 1845**

1M, Avanos, 21/07/1992, 1130 m., 1M, Ürgüp, 22/07/1992, 1100 m., 1F, Uçhisar, 24/07/1992, 1370 m.

RHOPALIDAE

***Corizus hyosciami* (L., 1758)**

1M, 1F, Uçhisar, 24/07/1992, 1370 m., 1F, Avanos, 21/07/1992, 1100 m., 1F, Ürgüp, 22/07/1992, 1090 m.

***Liorhyssus hyalinus* (F., 1794)**

1M, 1F, Uçhisar, 24/07/1992, 1370 m.

***Rhopalus parumpunctatus* Schl., 1829**

1M, 2FF, Avanos, 21/07/1992, 1130 m., 1M, 23/07/1992, 950 m., 3M, 2F, Uçhisar, 24/07/1992, 1370 m.

***Rhopalus rufus* Schl., 1829**

1M, 1F, Uçhisar, 24/07/1992, 1370 m.

***Brachycarenum tigrinus* Schl., 1829**

1F, Avanos, 21/07/1992, 1130 m.

***Maccevethus lutheri* Wgn., 1953**

1M, Avanos, 23/07/1992, 980 m.

***Stictoplerus pictus* (Fb., 1861)**

1M, Avanos, 23/07/1992, 980 m., 2MM, 2FF, Uçhisar, 24/07/1992, 1370 m.

***Chrosoma schillingi* Ct., 1830**

1M, 1F, Avanos, 20/07/1992, 1000 m., 1M, 2F, 21/07/1992, 1130 m., 1F, 23/07/1992, 980 m., 1M, Uçhisar, 24/07/1992, 1300 m.

***Rhyparochromus concors* (Hv., 1878)**

1 M, Avanos, 21/07/1992, 1130 m.

***Rhyparochromus lynceus* (F., 1775)**

1M, 1F, Ürgüp, 22/07/1992, 1100 m., 1M, Avanos, 20/07/1992, 1050 m., 1M, 21/07/1992, 1130 m., 1F, 21/07/1992, 1100 m., 2MM, Uçhisar, 24/07/1992, 1300 m.

***Emblethis denticollis* Hv., 1878**

1M, Avanos, 21/07/1992, 1130 m.

PYRRHOCORIDAE

***Pyrrhocoris apterus* (L., 1758)**

1M, Ürgüp, 22/07/1992, 1090 m.

COREIDAE

***Syromastus rhombeus* (L., 1758)**

3MM, Avanos, 20/07/1992, 1000 m.

***Centrocoris spiniger* (F., 1781)**

1M, Avanos, 23/07/1992, 980 m.

***Coriomeris affinis* (H.-S., 1839)**

1M, Avanos, 21/07/1992, 1130 m.

ALYDIDAE

***Camptopus illustris* Horv., 1899**

1M, Avanos, 23/07/1992, 980 m.

***Camptopus lateralis* (Gm., 1817)**

1F, Avanos, 21/07/1992, 1100 m., 1F, 21/07/1992, 1130 m., 1F, Uçhisar, 24/07/1992, 1370 m.

***Camptopus tragacanthae* Klnt., 1845**

1M, Avanos, 21/07/1992, 1130 m., 1M, Ürgüp, 22/07/1992, 1100 m., 1F, Uçhisar, 24/07/1992, 1370 m.

RHOPALIDAE

***Corizus hyosciami* (L., 1758)**

1M, 1F, Uçhisar, 24/07/1992, 1370 m., 1F, Avanos, 21/07/1992, 1100 m., 1F, Ürgüp, 22/07/1992, 1090 m.

***Liorhyssus hyalinus* (F., 1794)**

1M, 1F, Uçhisar, 24/07/1992, 1370 m.

***Rhopalus parumpunctatus* Schl., 1829**

1M, 2FF, Avanos, 21/07/1992, 1130 m., 1M, 23/07/1992, 950 m., 3M, 2F, Uçhisar, 24/07/1992, 1370 m.

***Rhopalus rufus* Schl., 1829**

1M, 1F, Uçhisar, 24/07/1992, 1370 m.

***Brachycarenum tigrinus* Schl., 1829**

1F, Avanos, 21/07/1992, 1130 m.

***Maccevethus lutheri* Wgn., 1953**

1M, Avanos, 23/07/1992, 980 m.

***Stictoplerus pictus* (Fb., 1861)**

1M, Avanos, 23/07/1992, 980 m., 2MM, 2FF, Uçhisar, 24/07/1992, 1370 m.

***Chrosoma schillingi* Ct., 1830**

1M, 1F, Avanos, 20/07/1992, 1000 m., 1M, 2F, 21/07/1992, 1130 m., 1F, 23/07/1992, 980 m., 1M,

PLATASPIDAE***Coptosoma scutellatum* (G., 1787)**

1F, Avanos, 24/07/1992, 1100 m.

SCUTELLARIDAE***Eurygaster maurus* (L., 1758)**

2MM, Avanos, 20/07/1992, 1050 m., 2MM, 20/07/1992, 1000 m., 1M, 2FF, 23/07/1992, 980 m., 2MM, 2FF, Uçhisar, 24/07/1992, 1370 m.

***Odontotarsus plicatulus* Hv., 1906**

1M, Avanos, 20/07/1992, 1050 m.

***Psacasta marmottani* Pt., 1887**

2FF, Avanos, 20/07/1992, 1000 m.

PENTATOMIDAE***Aelia acuminata* (L., 1758)**

1F, Avanos, 23/07/1992, 950 m.

***Aelia albobittata* Fb., 1868**

17MM, 1F, Avanos, 20/07/1992, 1000 m.

***Carpocoris fuscispinus* (Bh., 1851)**

1M, 2FF, Avanos, 23/07/1992, 980 m. 1M, Uçhisar, 23/07/1992, 1370 m.

***Carpocoris pudicus* (Pd., 1761)**

1M, 1F, Avanos, 20/07/1992, 1000 m., 1M, 1F, 20/07/1992, 1050 m., 2M, 1F, 21/07/1992, 1100 m., 2MM, 21/07/1992, 1130 m., 2M, 23/07/1992, 950 m., 1M, 2FF, 23/07/1992, 980 m., 4MM, Ürgüp, 22/07/1992, 1090 m., 1F, Uçhisar, 24/07/1992, 1390 m., 2MM, 1F, 24/07/1992, 1370 m.

***Codophila varia* (F., 1787)**

1M, 4FF, Avanos, 23/07/1992, 980 m.

***Dolycoris baccarum* (L., 1758)**

1M, 1F, Avanos, 20/07/1992, 1050 m., 2MM, 23/07/1992, 950 m., 3MM, Uçhisar, 24/07/1992, 1370 m., 2MM, Ürgüp, 24/07/1992, 1090 m.

***Eurydema ornatum* (L., 1758)**

7MM, 5FF, Avanos, 20/07/1992, 1050 m., 2FF, 21/07/1992, 1050 m., 5MM, 1F, 21/07/1992, 1130 m., 2MM, 23/07/1992, 950 m., 1F, Ürgüp, 22/07/1992, 1090 m., 1F, 1F, Uçhisar, 24/07/1992, 1300 m., 2MM, 1F, 24/07/1992, 1370 m.

***Holcostethus vernalis* (W., 1804)**

1F, Ürgüp, 22/07/1992, 1090 m., 1M, 1F, Avanos, 23/07/1992, 980 m.

***Sciocoris luteolus* Fb., 1861**

1F, Avanos, 23/07/1992, 980 m.

***Ancyrosoma leucogrammes* (Gl., 1789)**

2FF, Avanos, 20/07/1992, 1000 m., 3MM, 21/07/1992, 1130 m., 1F, 21/07/1992, 1040 m., 1F, 23/07/1992, 950 m.

***Graphosoma semipunctatum* (F., 1775)**

Uçhisar, 24/07/1992, 1300 m.

PLATASPIDAE***Coptosoma scutellatum* (G., 1787)**

1F, Avanos, 24/07/1992, 1100 m.

SCUTELLARIDAE***Eurygaster maurus* (L., 1758)**

2MM, Avanos, 20/07/1992, 1050 m., 2MM, 20/07/1992, 1000 m., 1M, 2FF, 23/07/1992, 980 m., 2MM, 2FF, Uçhisar, 24/07/1992, 1370 m.

***Odontotarsus plicatulus* Hv., 1906**

1M, Avanos, 20/07/1992, 1050 m.

***Psacasta marmottani* Pt., 1887**

2FF, Avanos, 20/07/1992, 1000 m.

PENTATOMIDAE***Aelia acuminata* (L., 1758)**

1F, Avanos, 23/07/1992, 950 m.

***Aelia albobittata* Fb., 1868**

17MM, 1F, Avanos, 20/07/1992, 1000 m.

***Carpocoris fuscispinus* (Bh., 1851)**

1M, 2FF, Avanos, 23/07/1992, 980 m. 1M, Uçhisar, 23/07/1992, 1370 m.

***Carpocoris pudicus* (Pd., 1761)**

1M, 1F, Avanos, 20/07/1992, 1000 m., 1M, 1F, 20/07/1992, 1050 m., 2M, 1F, 21/07/1992, 1100 m., 2MM, 21/07/1992, 1130 m., 2M, 23/07/1992, 950 m., 1M, 2FF, 23/07/1992, 980 m., 4MM, Ürgüp, 22/07/1992, 1090 m., 1F, Uçhisar, 24/07/1992, 1390 m., 2MM, 1F, 24/07/1992, 1370 m.

***Codophila varia* (F., 1787)**

1M, 4FF, Avanos, 23/07/1992, 980 m.

***Dolycoris baccarum* (L., 1758)**

1M, 1F, Avanos, 20/07/1992, 1050 m., 2MM, 23/07/1992, 950 m., 3MM, Uçhisar, 24/07/1992, 1370 m., 2MM, Ürgüp, 24/07/1992, 1090 m.

***Eurydema ornatum* (L., 1758)**

7MM, 5FF, Avanos, 20/07/1992, 1050 m., 2FF, 21/07/1992, 1050 m., 5MM, 1F, 21/07/1992, 1130 m., 2MM, 23/07/1992, 950 m., 1F, Ürgüp, 22/07/1992, 1090 m., 1F, 1F, Uçhisar, 24/07/1992, 1300 m., 2MM, 1F, 24/07/1992, 1370 m.

***Holcostethus vernalis* (W., 1804)**

1F, Ürgüp, 22/07/1992, 1090 m., 1M, 1F, Avanos, 23/07/1992, 980 m.

***Sciocoris luteolus* Fb., 1861**

1F, Avanos, 23/07/1992, 980 m.

***Ancyrosoma leucogrammes* (Gl., 1789)**

2FF, Avanos, 20/07/1992, 1000 m., 3MM, 21/07/1992, 1130 m., 1F, 21/07/1992, 1040 m., 1F, 23/07/1992, 950 m.

1M, 1F, Ürgüp, 22/07/1992, 1090 m.

Ventocoris trigonus (Krn., 1871)

1M, Ürgüp, 22/07/1992, 1100 m.

4. TARTIŞMA

Bu çalışmada, Nevşehir ilinin Avanos, Ürgüp, Uçhisar ilçelerinden 240 örnek toplanmıştır. Çalışma alanından toplanan örneklerin 13 familyanın 51 türü olduğu tespit edilmiştir. Literatür incelemeleri sonucunda Nevşehir'den daha önceleri 155 Heteroptera türünün bilindiği tespit edilmiştir. Bu çalışma ile kaydı verilen 51 türden 15'i daha önceki çalışmalarda da bulunmuştur. Fakat bu çalışma ile tespit edilen 36 tür Nevşehir faunası için ilk kayıttır. Bu çalışma ile Nevşehir'de tespit edilen Heteroptera türlerinin sayısı 191'e çıkarılmıştır.

Nevşehir Heteroptera faunası Tablo 1. de verilmiştir.

Graphosoma semipunctatum (F., 1775)

1M, 1F, Ürgüp, 22/07/1992, 1090 m.

Ventocoris trigonus (Krn., 1871)

1M, Ürgüp, 22/07/1992, 1100 m.

4. DISCUSSION

In the present study, 240 specimens were collected from Avanos, Ürgüp, Uçhisar counties of Nevşehir province. 51 heteroptera species belonging to 13 families were determined from the excursion area. As reported in the revised literatures, 155 Heteropteran species were known in Nevşehir before. Among the 51 species 15 species were found before but 36 species were given for the first time for Nevşehir fauna in the present study. The number of Heteroptera species increased to 191 in The Nevşehir province with this study.

Heteropteran fauna of Nevşehir is presented on Table 1.

Table 1. Heteropteran fauna of Nevşehir, A: Results of revised literatures, B: Results of excursion.

Çizelge 1. Nevşehir Heteroptera faunası, A: İncelenen literatürlerin sonuçları, B: Bu çalışmanın sonuçları.

	A	B
Nepidae		
<i>Nepa cinerea</i> L., 1758	+	-
Pleidae		
<i>Plea leachi</i> MG., 1899	+	-
Tingidae		
<i>Dictyonota strichnocera</i> Fb., 1844	+	-
<i>Hyalochiton multiseriatus</i> Rt., 1888	+	-
<i>Stephanitis pyri</i> (F., 1775)	+	-
<i>Elasmotropis testacea vicina</i> Hv., 1906	+	-
<i>Copium clavicorne</i> (L., 1758)	+	-
<i>C. teucriti</i> (Host, 1788)	+	-
<i>Catoplatus nigriceps</i> Hv., 1905	-	+
<i>Physatocheila confinis</i> Hv., 1905	+	-
<i>Dictyla echii</i> (Schr., 1782)	+	-
<i>D. nassata</i> (Pt., 1874)	+	-
<i>D. triconula</i> (Sdst., 1954)	-	+
<i>Monosteira lobulifera</i> Rt., 1888	-	+
	A	B
<i>M. unicostata</i> (Ms. & Rey, 1852)	+	-
Miridae		
<i>Dicyphus errans</i> (W., 1804)	+	-
<i>D. montandoni</i> Rt., 1888	+	-
<i>Macrolophus glaucescens</i> Fb., 1858	+	-
<i>M. melanotoma</i> (C., 1853)	+	-
<i>M. costalis</i> Fb., 1858	+	-
<i>M. nubilus</i> (H.-S., 1835)	+	-
<i>Deraeocoris ruber</i> (L., 1758)	+	-
<i>D. rutilus</i> (H.-S., 1839)	+	+
<i>D. putoni</i> Mtd., 1885	+	-
<i>D. serenus</i> Dgl. & Sc., 1868	+	-
<i>Adelphocoris lineolatus</i> (Gz., 1778)	+	-
<i>Brachycoleus decolor</i> Rt., 1887	-	+
<i>Calocoris affinis</i> (H.-S., 1835)	+	-
<i>Charagochilus gyllenhalii</i> (Fn., 1807)	+	-
<i>Closterotomus hedenborgi</i> (Fb., 1870)	+	-
<i>Grypocoris melanopygus</i> Hv., 1905	+	-
<i>Horistus bimaculatus</i> (Jak., 1884)	+	-
<i>H. orientalis</i> (Gml., 1790)	+	-
<i>Liocoris tripustulatus</i> (F., 1781)	+	-
<i>Lygus gemellatus</i> (H.-S., 1836)	+	-

<i>L. pratensis</i> (L., 1758)	+	-
<i>L. rugulipennis</i> Popp., 1911	+	-
<i>Orthops kalmii</i> (L., 1758)	+	-
<i>O. campestris</i> (L., 1758)	+	-
<i>Phytocoris longipennis</i> Fl., 1861	+	-
<i>P. phrygicus</i> Wgn., 1955	+	-
<i>P. irroratus</i> Lv., 1965	+	-
<i>Polymerus cognatus</i> (Fb., 1858)	+	-
<i>P. vulneratus</i> (Pz., 1806)	+	-
<i>Notostira elongata</i> (G., 1785)	+	-
<i>Stenodema laevigatum</i> (L., 1758)	+	-
<i>S. turanica</i> Rt., 1904	+	-
<i>Trigonotylus pulchellus</i> (H., 1834)	+	-
<i>Camponotidea fieberi</i> Rt., 1879	+	-
<i>Halticus macrocephalus</i> Fb., 1858	+	-
<i>Brachynotocoris puncticornis</i> Rt., 1880	+	-
<i>Malacocoris chlorizans</i> (Pz., 1794)	+	-
<i>Orthotylus cylindricollis</i> (C., 1853)	+	-
<i>O. eleagni</i> Jak., 1880	+	-
<i>O. flavosparsus</i> (C.Sb., 1842)	+	-
<i>O. nassatus</i> (F., 1787)	+	-
<i>O. viridinervis</i> (Kbm., 1856)	+	-
<i>Pilophorus clavatus</i> (L., 1767)	+	-
<i>P. perplexus</i> D. & S., 1875	+	-
<i>Amblytulus concolor</i> Jak., 1877	+	-
<i>Anonychiella brevicornis</i> (Rt., 1879)	+	-
<i>Atomoscelis onusta</i> (Fb., 1861)	+	-
<i>Atractotomus mali</i> (M.-D., 1843)	+	-
<i>Auchenocrepis reuteri</i> Jak., 1878	+	-
<i>Campylomma nicolasi</i> Pt. & Rt., 1883	+	-
<i>C. verbasci</i> (M.-D., 1843)	+	-
<i>Orthocephalus saltator</i> (H., 1835)	+	-
<i>Chlamydatus pullus</i> (Rt., 1870)	+	-
<i>Glaucopterum kareli</i> Wgn., 1963	+	-
	A	B
<i>Lepidargyrus ancorifer</i> (Fb., 1858)	+	-
<i>Lopus decolor</i> (Fn., 1807)	+	-
<i>Macrotylus ancoratus</i> Sdst., 1959	+	-
<i>Macrotylus ancyranus</i> Sdst., 1969	+	-
<i>M. weberi</i> Wgn., 1976	+	-
<i>Maurodactylus nigrigenis</i> (Rt., 1890)	+	-
<i>Megalocoleus molliculus</i> (Fn., 1807)	+	-
<i>Oncotylus plumicornis</i> Germ., 1822	+	-
<i>O. setulosus</i> H.-S., 1837	+	+
<i>O. viridiflavus</i> (Gz., 1778)	+	-
<i>Opisthotaenia fulvipes</i> Rt., 1901	+	-
<i>Orthonotus fraudatrix</i> (Rt., 1904)	+	-
<i>Placochilus seladonicus</i> (Fn., 1807)	+	-
<i>Plagiognathus bipunctatus</i> Rt., 1883	+	-
<i>P. fulvipennis</i> (Kbm., 1856)	+	-
<i>Psallus ambiguus</i> (Fn., 1807)	+	-
<i>Salicarus roseri</i> (H.-S., 1839)	+	-
<i>Sthenarus rotermundi</i> (Schl., 1847)	+	-
<i>Tuponia arcuifera</i> Rt., 1879	+	-
<i>T. brevisrostris</i> Rt., 1883	+	-
<i>T. hippophaes</i> (Fb., 1861)	+	-
Nabidae		
<i>Nabis palifer</i> (Sdst., 1954)	+	-
<i>Nabis punctatus</i> C., 1847	-	+
Reduviidae		
<i>Vachiria deserta</i> (Bck., 1867)	+	-
<i>Nagusta goedeli</i> (Klt., 1856)	+	-
<i>Rhinocoris punctiventris</i> H.-S., 1846	-	+
<i>Holotrichius</i> Bm., 1835	+	-
<i>Reduvius pallipes</i> (Klg., 1839)	-	+

Piesmatidae		
<i>Piesma salsolae</i> (Bck., 1867)	+	-
Berytidae		
<i>Berytinus minor</i> (H.-S., 1835)	-	+
Lygaeidae		
<i>Lygaeus equestris</i> (L., 1758)	+	+
<i>Spilostethus saxatilis</i> (Scop., 1763)	+	+
<i>Scopiastes affinis</i> (Schl., 1829)	+	-
<i>Camptocera glaberrima</i> (Wk., 1872)	+	-
<i>Lygaeosoma reticulatum</i> (H.-S., 1838)	-	+
<i>Ortholomus punctipennis</i> (H.-S., 1838)	+	-
<i>Nysius ericae</i> (Schl., 1829)	+	+
<i>N. graminicolus</i> Klt., 1845	+	-
<i>Tropinysius senecionis</i> (Schl., 1829)	+	-
<i>Cymus melanocephalus</i> Fb., 1861	+	-
<i>Geocoris ater</i> (F., 1787)	+	-
<i>G. megacephalus</i> (R., 1790)	+	-
<i>G. megalocephalus scilus</i> (Fb.)	+	-
<i>Piocoris erythrocephalus</i> (P. & S., 1825)	+	+
<i>Artheneis alutacea</i> Fb., 1861	+	-
<i>A. balcanica</i> (Kml., 1938)	+	-
<i>A. foveolata</i> Spin., 1837	+	-
	A	B
<i>Heterogaster affinis</i> H.-S., 1835	+	+
<i>H. urticae</i> (F., 1775)	+	-
<i>Cymophyes ochroleuca</i> Fb., 1870	+	-
<i>Oxycarenus longiceps</i> Wgn., 1954	+	-
<i>O. pallens</i> (H.-S., 1850)	+	+
<i>Metopoplax fuscinervis</i> Stål, 1872	+	-
<i>Microplax limbata</i> Fb., 1864	+	-
<i>Scolopostethus affinis</i> (Schl., 1829)	+	-
<i>S. grandis</i> Hv., 1881	+	-
<i>Ryparochromus concors</i> (Hv., 1878)	-	+
<i>R. lynceus</i> (F., 1775)	-	+
<i>Emblethis brachynotus</i> Hv., 1897	+	-
<i>Emblethis denticollis</i> Hv., 1878	+	+
<i>E. kareli</i> Hob., 1956	+	-
<i>E. verbasci</i> (F., 1803)	+	-
<i>Trapezonotus ullrichi</i> (Fb., 1836)	+	-
Pyrrhocoridae		
<i>Pyrrhocoris apterus</i> (L., 1758)	-	+
Coreidae		
<i>Syromastus rhombeus</i> (L., 1758)	-	+
<i>Centrocoris spiniger</i> (F., 1781)	-	+
<i>Coriomeris affinis</i> (H.-S., 1839)	-	+
Alydidae		
<i>Camptopus illustris</i> Horv., 1899	-	+
<i>C. lateralis</i> (Gm., 1817)	-	+
<i>C. tragacanthae</i> Klnt., 1845	-	+
Rhopalidae		
<i>Corizus hyosciami</i> (L., 1758)	-	+
<i>Liorhyssus hyalinus</i> (F., 1794)	-	+
<i>Rhopalus parumpunctatus</i> Schl., 1829	-	+
<i>R. rufus</i> Schl., 1829	-	+
<i>Brachycarenus tigrinus</i> Schl., 1829	-	+
<i>Maccevetus caucasicus</i> (Klt., 1845)	+	-
<i>M. lutheri</i> Wgn., 1953	-	+
<i>Stictoplerus pictus</i> (Fb., 1861)	-	+
<i>Chrosoma schillingi</i> Ct., 1830	-	+

Plataspidae		
<i>Coptosoma putoni</i> Mtd., 1898	+	-
<i>C. scutellatum</i> (G., 1787)	-	+
Cydnidae		
<i>Thyreocoris scarabaeoides</i> (L., 1758)	+	-
<i>Aethus nigrinus</i> (F., 1794)	+	-
<i>Geotomus brunneipennis</i> Wgn., 1953	+	-
<i>Ochetostethus balcanicus</i> Wgn., 1940	+	-
<i>Sehirus melanopterus</i> (H.-S., 1835)	+	-
Scutelleridae		
<i>Eurygaster austriaca</i> (Schr., 1778)	+	-
<i>E. maurus</i> (L., 1758)	+	+
<i>Odontotarsus byrrhus</i> (Sdst.)	+	-
<i>O. freyi</i> Pt., 1882	+	-
	A	B
<i>O. karatasensis</i> Hob., 1956	+	-
<i>O. plicatulus</i> Hv., 1906	+	+
<i>O. rufescens</i> Fb., 1861	+	-
<i>Psacasta marmottani</i> Pt., 1887	-	+
Pentatomidae		
<i>Picromerus pseudobidens</i> Ahm. & Önd., 1990	+	-
<i>P. bidens</i> (L., 1758)	+	-
<i>Aelia acuminata</i> (L., 1758)	+	+
<i>A. albivittata</i> Fb., 1868	-	+
<i>A. rostrata</i> Boh., 1852	+	-
<i>Brachynema virens</i> K., 1845	+	-
<i>Carpocoris fuscispinus</i> (Bh., 1851)	-	+
<i>C. pudicus</i> (Pd., 1761)	-	+
<i>Codophila lunulata</i> (Gz., 1778)	+	-
<i>C. pusio</i> (Klt., 1846)	+	-
<i>C. varia</i> (F., 1787)	+	+
<i>Dolycoris baccarum</i> (L., 1758)	+	+
<i>Dyrodereis umbricollis</i> (F., 1775)	+	-
<i>Eurydema fieberi</i> (Schml., 1836)	+	-
<i>E. ornatum</i> (L., 1758)	+	+
<i>Eysarcoris inconspicuus</i> (H.- S., 1844)	+	-
<i>Holcostethus vernalis</i> (W., 1804)	-	+
<i>Piezodorus lituratus</i> (F., 1794)	+	-
<i>Raphigaster nebulosa</i> (Pd., 1761)	+	-
<i>Sciocoris capitatus</i> Jak., 1881	+	-
<i>S. luteolus</i> Fb., 1861	-	+
<i>S. macrocephalus</i> Fb., 1852	+	-
<i>Trochiscocoris sanguinolentus</i> Hv., 1895	+	-
<i>Ancyrossoma leucogrammes</i> (Gl., 1789)	-	+
<i>Graphosoma semipunctatum</i> (F., 1775)	-	+
<i>Tarisa osmanica</i> Hob., 1956	+	-
<i>T. virescens</i> H.-S., 1851	+	-
<i>Ventocoris trigonus</i> (Krn., 1871)	-	+
Total	155	51

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