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New records of jumping plant-lice from Turkey (Hemiptera, Psylloidea)

SABAN GÜÇLÜ & DANIEL BURCKHARDT

Abstract

Between 1987-1992, the jumping plant-louse fauna of the region of Erzurum was surveyed. The material contains 23 species, 7 of which are new for the fauna of Turkey.

Key words: Hemiptera, Psylloidea, Turkey, faunistics, new records.

Zusammenfassung

In den Jahren 1987-1992 wurde die Fauna der Blattflöhe (Hemiptera, Psylloidea) in der Umgebung von Erzurum untersucht. Es konnten 23 Arten festgestellt werden, von denen 7 neu für die Türkei sind.

Introduction

The large surface of land covered by Turkey is subdivided into several climatically distinct regions. The area of Erzurum, where this study was conducted, has a continental climate characterised by long, severe winters and hot, dry summers. The presence of high mountains and narrow, deep valleys in the region produces a variety of local climates with different ecological conditions. These are the main cause for the richness and diversity of the regional fauna and flora.

Information on the Turkish psylloid fauna is limited. Most studies have been conducted in the province of Izmir and surrounding areas (KLIMASZEWSKI & LODOS 1977, 1979, 1980; ÖNUÇAR 1983; ÖNUÇAR & ULU 1991). BURCKHARDT (1988) recorded some species from northeastern Anatolia. Other studies, treating particular groups of jumping plant-lice, record species from Turkey (ÇELİK 1981; LODOS & ÖNUÇAR 1985; BURCKHARDT & HODKINSON 1986; BURCKHARDT & LAUTERER 1989). Finally, existing

literature and available material were analysed by BURCKHARDT & ÖNUÇAR (1993) who listed 86 species from Turkey.

The present paper reports recent findings of psylloids in the Erzurum region from where virtually nothing is known until now.

List of species

Between 1987-1992, the senior author conducted a survey of the insect fauna of Erzurum and its surroundings which yielded 23 species of Psylloidea. Following species previously recorded from Turkey are present in the material (BURCKHARDT & ÖNUÇAR 1993): *Bactericera albiventris* (FÖRSTER), *Bactericera nigricornis* (FÖRSTER), *Cacopsylla mali* (SCHMIDBERGER), *Cacopsylla mariannae* (BAEVA), *Cacopsylla peregrina* (FÖRSTER), *Cacopsylla pyri* (LINNAEUS), *Craspedolepta ?malachitica* (DAHLBOM), *Craspedolepta ?pontica* (DOBREANU & MANOLACHE), *Crastina myricariae* LOGINOVA, *Cyamophila glycyrrhizae* (BECKER), *Cyamophila stocklosai* KLIMASZEWSKI & LODOS, *Euphyllura phillyreae* FÖRSTER, *Livia juncorum* (LATREILLE), *Livilla horvathi* (SCOTT), *Psyllopsis fraxinicola* (FÖRSTER) and *Trioza urticae* (LINNAEUS). The following seven species collected during the survey are new for Turkey. Detailed collecting data is, therefore, provided.

Psyllidae

Aphalara maculipennis LOEW, 1886.

Erzurum: Oltu, 22.vii.1987, weeds, 1 ♂; Kombina, 30.viii.1989, *Petroselinum sativum*, 1 ♂.

Distribution. Recorded from Europe, Caucasus, Central Asia, Amur Region and India (OSSIANNILSSON 1992).

Craspedolepta nebulosa (ZETTERSTEDT, 1828).

Erzurum: Kargapazari mountains, 3100 m, 27.vii.1989, weeds, 30 ♂♂, 15 ♀♀; same but 2050 m, 11.viii.1990, 1 ♀.

Distribution. Known from central, northern and eastern Europe, Kazakhstan, Northern Siberia, Sakhalin, Kamchatka, Maritime Territory, and North America (OSSIANNILSSON 1992).

Livia mediterranea LOGINOVA, 1974.

Erzurum: Pasinler, 18.vii.1987, 1 ♂.

Distribution. Recorded from Caucasus, Crimea, Bulgaria, Israel and Algeria (GEGECHKORI & LOGINOVA 1990).

Comments. BURCKHARDT & ÖNUÇAR (1993) indicated that the record of *Livia crefeldensis* MINK by VONDRÁČEK (1953) from Ankara may concern *L. mediterranea*. The present record confirms this suggestion.

Cyamophila astragalicola (GEGECHKORI, 1977).

Erzurum: Centre, 26.vii.1987, 2 ♀♀; same but 4.vii.1989, 2 ♂♂; Palandöken mountains, 2200 m, 17.vii.1990, 1 ♀.

Distribution. Reported from Caucasus and Iran (GEGECHKORI & LOGINOVA 1990). *Cacopsylla hippophaes* (FÖRSTER, 1848). Erzurum: Tortum, 14.ix.1989, weeds, 4 ♂♂, 3 ♀♀; Tortum, Yukarisivri, 27.vii.1989, weeds, 6 ♂♂, 1 ♀; Tortum, Kaledibi,

15.ix.1989, weeds, 4 ♀♀; Pasinler, 18.vii.1987, *Helianthus annuus*, 1 ♂; Oltu, Ballica, 24.vii.1989, 1 ♀.

Distribution. Known from Europe, Caucasus and Central Asia (OSSIANILSSON 1992).

Comments. The specimens at hand differ from those mentioned by BURCKHARDT & ÖNUÇAR (1993) which may represent an undescribed species.

Cacopsylla pruni (SCOPOLI, 1763).

Erzurum: Senkaya, Gözalan, 30.iv.1992, 2 ♀♀; Oltu, 21.vii.1992, *Prunus domestica*, 2 ♂♂, 3 ♀♀.

Distribution. Widely distributed over Europe, Caucasus and Irkutsk (OSSIANILSSON 1992).

Triozidae

Bactericera femoralis (FÖRSTER, 1848).

Erzurum: Ispir, Asagiözbag, 3.viii.1989, 1 ♀.

Distribution. Known from Europe, Caucasus, Irkutsk and Amur district (OSSIANILSSON, 1992).

References

- BURCKHARDT, D. - 1988. Angaben zur Psyllidenfauna der Nordosttürkei (Homoptera: Psylloidea). - Mitt. ent. Ges. Basel 38: 31-44.
- BURCKHARDT, D. & HODKINSON, I.D. - 1986. A revision of the west Palearctic pear psyllids (Homoptera: Psyllidae). - Bull. ent. Res. 76: 119-132.
- BURCKHARDT, D. & LAUTERER, P. - 1989. Systematics and biology of the Rhinocolinae (Homoptera: Psylloidea). - J. nat. Hist. 23: 643-712.
- BURCKHARDT, D. & ÖNUÇAR, A. - 1993. A review of Turkish jumping plant-lice (Homoptera, Psylloidea). - Revue suisse Zool. 100: 547-575.
- ÇELİK, M.Y. - 1981. Gaziantep ve Çevresinde Antep fistiklerinde Psylloidea'ya Bağlı Önemli Zararlı Türlerin Tanımları, Yayılışları, Konukçuları, Kısa Biyolojileri ve Doğal Düşmanları Üzerinde Arastirmalar. - T. C. Tar. Orm. Bak. Zir. Müc. ve Kar. Gn. Md. Adana Bölge Zir. Müc. Ars. Enst. Md. Ars. Eser. Ser. No. 51, 108 pp.
- GEGECHKORI, A.M. & LOGINOVA, M.M. - 1990. Psillidy (Homoptera, Psylloidea) SSSR. - Gosudarstv. Muzei Grusii, Tbilisi, 164 pp.
- KLIMASZEWSKI, S.M. & LODOS, N. - 1977. New information about jumping plant lice of Turkey (Homoptera: Psylloidea). - Ege Üniversitesi Ziraat Fakültesi Dergisi 14: 1-9.
- KLIMASZEWSKI, S.M. & LODOS, N. - 1979. Further data about jumping plant lice of Turkey (Homoptera, Psylloidea). - Türk. Bit. Kor. Derg. 3: 3-16.
- KLIMASZEWSKI, S.M. & LODOS, N. - 1980. Three new species of jumping plant lice (Homoptera, Psylloidea) from Turkey. - Türk. Bit. Kor. Derg. 4: 219-227.
- LODOS, N. & ÖNUÇAR, A. - 1985. Türkiye'de bulunan Agonosca Enderl. cinsine bağlı türlerin yeniden gözden geçirilmesi (Homoptera: Psylloidea: Aphalaridae). - Türk. Bit. Kor. Derg. 9: 231-236.
- ÖNUÇAR, A. - 1983. İzmir ve Çevresinde Bitkilerde Zararlı Psyllid (Homoptera: Psyllinea) Türlerinin Tanımları Konukçuları ve Taksonimleri Üzerinde Arastirmalar. - T. C. Tar. Orm. Bak. Zir. Müc. ve Kar. Gn. Md. İzmir Bölge Zir. Müc. Ars. Enst. Md. Ars. Eser. Ser. No. 44, 122 pp.
- ÖNUÇAR, A. & ÜLU, O. - 1991. Five jumping plant lice species (Homoptera: Psylloidea) new for Turkish fauna. - Türk. entomol. derg. 15: 153-155.

- OSSIANNILSSON, F. - 1992. The Psylloidea (Homoptera) of Fennoscandia and Denmark. - Fauna ent. Scand. 26, 346 pp.
- VONDRÁČEK, K. - 1953. Results of the zoological scientific expedition of the National Museum in Praha to Turkey. 14. Hemiptera III. Homoptera-Psyllinea. - Acta ent. Mus. natn. Pragae 27: 435-450.

Authors' address:

Saban GÜÇLÜ
Atatürk Üniversitesi, Ziraat Fakültesi
Bitki Koruma Bölümü
TR - 25240 Erzurum
Turkey

Daniel BURCKHARDT
Muséum d'histoire naturelle
Case postale 6434
CH - 1211 Genève 6
Switzerland.

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Wolfgang SCHACHT, Scherrerstraße 8, D-82296 Schöngeising
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Johannes SCHUBERTH, Bauschingerstr. 7, D-80997 München
Emma SCHWARZ, Eibenweg 6, A-4052 Ansfelden
Thomas WITT, Tengstraße 33, D-80796 München
Postadresse: Entomofauna (ZSM), Münchhausenstr. 21, D-81247 München;
Tel. (089) 8107-0, Fax 8107-300

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