

## Five jumping plant lice species (Homoptera, Psylloidea) new for Turkish fauna

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### Summary

Five new psyllids are added to Turkish fauna through this paper. These species are, *Euphyllura straminea* Loginova, *Livilla spectabilis* (Flor), *Cacopsylla mariannae* Baeva, *Trioza remota* Förster and *T.trisignata* Löw. All specimens have been collected from Izmir and surrounding areas.

### Introduction

It is known that the faunistic studies which is related directly on psyllids are rather new and only few researchers have worked on this group in Turkey (Klimaszewski and Lodos, 1977, 1979, 1980; Çelik, 1981; Önuçar, 1983; Lodos and Önuçar, 1985; Burckhardt, 1988 a). All specimens involved in this article have been collected by the authors by means of different expeditions and have been identified by Dr.D.Burckhardt from the Museum d'Histoire naturelle in Geneve. The authors thank to Dr.Burckhardt for identifications.

For each speices the locality, date and hosts are pointed out; the altitude and observations are added in some cases. The general distribution and host plants are taken mainly from Klimaszewski (1973).

### Reports on the species

*Euphyllura straminea* Loginova (Psyllidae: Liviinae)

Material : Izmir (Cumaovası), 2.5.1977, *Olea europea*.

Host plant : *O.europea* (Lauterer et al., 1986; Burckhardt, 1988 b).

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General distribution : Cyprus, Lebanon, Israel, Iraq, Iran, Jordan, Greece, Yugoslavia (Lauterer et al., 1986).

*Livilla spectabilis* (Flor) (Psyllidae: Arytaininae)

Material : Izmir (Karaburun), 28.8.1979, *Genista* sp..

Host plant : *Spartium junceum* (Klimaszewski, 1973; Burckhardt 1988 b, 1989 a; Rapisarda, 1988 a).

General distribution : France, Italy, Portugal, Spain, Switzerland, Yugoslavia (Klimaszewski, 1973), Greece, Algeria (Burckhardt, 1988 a), Sicilia (Rapisarda, 1988 a).

Observations : Both *L. spectabilis* and *L. smyrnensis* Burck. (Burckhardt, 1989 b) have been observed on the same host and have been collected at the same time.

*Cacopsylla mariannae* Baeva (Psyllidae: Psyllinae)

Material : Izmir (Ödemiş, 850-1150 m), 7th and 9th months of 1984; Izmir (Tire, 750-900 m), 21.8.1984; *Castanea sativa*.

Host plants : *Crataegus altaica* and *C. hissarica* (Baeva, 1985).

General distribution : The Tadzhik SSR, USSR (Baeva, 1985).

Observations : The material have been collected from july to november with 7-15 days interval, it has reached maximum on 29.8.1984 (totaly 11 adults) in Ödemiş.

*Trioza remota* Förster (Triozidae)

Material : Izmir (Dikili), 30.3.1978, *Quercus infectoria*.

Host plants : *Q. robur*, *Q. pedunculata*, *Q. petrae*, *Q. sessiliflora*, *Rhododendron macrocephalum* (Klimaszewski, 1973), *Q. macranthera* (Gegechkori, 1975), *Pinus* sp., *Abies* sp. (Burckhardt, 1983).

General distribution : All over Europe, Algeria, Georgian SSR and Japan (Klimaszewski, 1973).

*Trioza trisignata* Löw.

Material : Izmir (Ödemiş, 450 m), 13.9.1984, *Rubus fruticosus*.

Host plant : *R. fruticosus* and *Prunus mahaleb* (Klimaszewski, 1973).

General distribution : Hungaria (Horvath, 1918), Bulgaria, France, Germany, Italy, Switzerland, Yugoslavia, Spain (Klimaszewski, 1973), Greece (Burckhardt, 1988 b), Sicilia (Rapisarda, 1988 b).

Observations : The material have been found in numerous with white waxy secretion.

## Özet

### Türkiye faunası için yeni 5 psyllid türü (Homoptera, Psylloidea)

Bu yayın ile Türkiye psyllid faunasına 5 yeni tür eklenmektedir. Örnekler, Izmir ve çevresinden yazarlar tarafından toplanmıştır. Her bir tür için bulunduğu yer, tarih, konukçu ile genel yayılış ve konukçuları ile ilgili kısa bilgi verilmiştir. Tanımları Dr. Burckhardt tarafından yapılan 5 tür, *Euphyllura straminea* Loginova, *Livilla spectabilis* (Flor), *Cacopsylla mariannae* Baeva, *Trioza remota* Förster, *T. trisignata* Löw. dan oluşmaktadır.

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