

Contributions to the flea fauna of Turkey II. Leptopsyllidae (Siphonaptera)

Metin AKTAŞ*

Abdullah HASBENLİ*

Summary

—In this study, 72 flea samples belonging to 9 species obtained from 15 Mammalian species from Turkey were studied. Those are *Peromyscopsylla sylvatica*, *Leptopsylla* (s. str.) *taschenbergi taschenbergi*, *Leptopsylla* (s. str.) *algira costai*, *Leptopsylla* (s. str.) *segnis*, *Mesopsylla tuschkan*, *Mesopsylla apscheronica*, *Frontopsylla* (s. str.) *elata caucasica*, *Ophthalmopsylla* (s. str.) *volgensis arnoldi* and *Amphipsylla rossica*.

Amongst them *Frontopsylla elata caucasica* and *Leptopsylla algira costai* are the first records to the Turkish flea fauna.

Introduction

In this study, 72 flea samples collected from 15 mammalian species between the years of 1967-1985 from various parts of Turkey were given. 16 flea samples by Prof. Dr. Bahtiye Mursaloğlu and also 4 flea samples were donated to authors' collections by deceased Dr. Neşet Şimşek.

The identifications of the fleas were made based on the catalogue of Hopkins and Rothschild (1971) and Peus (1977). They were checked against the original descriptions available and redescriptions (Aktaş, 1982; Ioff und Argyropulo, 1934; Lewis and Lewis, 1990; Orhan et Beaucournu, 1986; Smit, 1955; Wagner und Argyropulo, 1934; Wagner und Ioff, 1926).

In this paper, localities, dates, numbers of material and hosts of determined nine flea species were given. *Frontopsylla elata caucasica* and *Leptopsylla algira costai* are the first record for Turkish flea fauna.

* Gazi Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü, Teknikokullar, Ankara
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Results

Leptopsyllinae Baker, 1905

Peromyscopsylla sylvatica (Meinert, 1896)

Kastamonu (Küre), 12. 9. 1983, 1 female, on *Clethrionomys* sp.; Bolu (Abant, Soğuksu), 23. 9. 1985, 3 males on *Clethrionomys glareolus* and 1 female, on *Apodemus flavicollis*.

Leptopsylla (s. str.) *taschenbergi taschenbergi* (Wagner, 1898)

Ankara (Bala), 24. 8. 1967, 1 female, 24. 8. 1977, 1 male, on *Mus musculus*; Ardahan (10 km. E), 1 male, 1 female, on *Apodemus sylvaticus*; Ankara (Hasanoğlu), 24. 9. 1977, 1 female, on *Apodemus sylvaticus*; Trabzon (Maçka, Meryemana), 10. 8. 1970, 1 male, on *Glis glis*; Ankara (Kızılcahamam), 30. 6. 1977, 1 male, 1 female, on *Apodemus sylvaticus*; Ankara (Söğütözü), 7. 6. 1977, 1 male, on *Mus musculus*.

Leptopsylla (s. str.) *algira costai* Smit, 1955

Adıyaman (Örenli Village), 14. 5. 1977, 1 female, on *Crocidura* sp. New record for Turkey.

Leptopsylla (s. str.) *segnis* (Schönherr, 1811)

İzmir (Bornova, Pınarbaşı Village), 7. 10. 1968, 2 males, 1 female, on *Apodemus mystacinus*; Zonguldak, 2. 7. 1967, 1 female, on *Rattus rattus*; Kahramanmaraş (Ahır Dağı), 1000 m., 29. 10. 1967, 1 male, on *Mesocricetus auratus*; Konya (Meram Deresi), 15. 6. 1984, 1 male, 3 females, on *Apodemus* sp.; Çanakkale (Gökçeada), 17. 6. 1982, 1 female, on *Apodemus sylvaticus*; Ankara (Ayaş, Bayat Village), 12. 7. 1977, 1 male, on *Apodemus mystacinus*; Trabzon (Maçka, Çoşandere), 5. 9. 1976, 1 female, on *Microtus* sp.; Ankara (Ayaş), 1 male, Date unknown, *Apodemus* sp.; Ankara (Çamkoru), 15. 6. 1970, 1 male, on *Microtus nivalis*.

Amphipsyllinae Ioff, 1936

Mesopsylla tuschkan tuschkan Wagner & Ioff, 1926

Ankara (Beypazarı, Sarıyar Dam), 21. 7. 1977, 1 male, on *Allactaga williamsi*.

Mesopsylla apscheronica (Wagner & Argyropulo, 1934)

Van (Beyazbulak), 2100 m., 1. 9. 1968, 1 male, on *Allactaga williamsi*; Van (Kuyubaş Gediği), 4. 9. 1968, 1 male, on *Allactaga williamsi*; Kayseri (20 km. W.), 24. 7. 1970, 1 female, 1 male, on *Allactaga williamsi*; Ağrı (Doğubeyazıt), 19. 8. 1970, 1 female, 1 male, on *Allactaga williamsi*.

Frontopsylla (s. str.) *elata caucasica* Ioff & Argyropulo, 1934

Kars (Göle, Çakırüzüm Village), 19. 8. 1983, 1 female, on *Cricetulus* sp. New record for Turkey.

Ophthalmopsylla (s. str.) *volgensis arnoldi* Wagner & Argyropulo, 1934

Ankara (Ayaş, Evcı Village), 15. 7. 1977, 1 male, on *Allactaga williamsi*; Ankara (Beypazarı, Sarıyar Dam), 21. 7. 1977, 1 female, on *Allactaga williamsi*; Adıyaman (Örenli Village), 15. 5. 1977, 1 male, on *Crocidura* sp.; Iğdır (Ararat), 1800 m., 26. 8. 1968, 2 males, 2 females, on *Allactaga williamsi*; Van (Beyazbulak), 2100 m., 1. 9. 1968, 2 males, 1 female, on *Allactaga williamsi*; Van (Kuyubaş Gediği), 4. 9. 1968, 1 male, 1 female, on *Allactaga williamsi*.

Amphipsylla rossica Wagner, 1912

Ankara Atatürk Orman Çiftliği (AOÇ), 24. 2. 1977, 2 males, 3 females, on *Microtus arvalis*; Ankara (Kızılcahamam), 1. 7. 1977, 1 male, on *Microtus guentheri*; Ankara (Kayaş, Bayındır Dam), 6. 4. 1977, 2 females, on *Crocidura leucodon* and 1 male, 1 female, on *Microtus arvalis*; Ankara (Hasanoğlan), 19. 4. 1977, 1 male, 1 female, on *Microtus arvalis*; Ankara (Hasanoğlan), 15. 5. 1977, 1 male, on *Microtus nivalis*; Ankara (Ayaş Beli), 8. 7. 1977, 1 male, on *Microtus guentheri*; Ankara (Kepekli), 1. 9. 1977, 1 male, on *Microtus arvalis*; Ankara (Hasanoğlan), 24. 9. 1977, 1 female, on *Apodemus sylvaticus*; Ankara (Çubuk Dam), 10. 11. 1977, 3 males, 2 females, on *Microtus arvalis*; Ankara (Haymana, Yeşilyurt Village), 30. 7. 1977, 1 female, on *Cricetulus* sp.

Özet

Türkiye pire faunasına katkılar

II. Leptopsyllidae (Siphonaptera)

Bu çalışma Türkiye'den 15 memeli türünden elde edilen 9 türe ait 72 pire örneğine dayanmaktadır. Bu çalışma ile *Peromyscopsylla sylvatica*, *Leptopsylla* (s. str.) *taschenbergi taschenbergi*, *Leptopsylla* (s. str.) *algira costai*, *Leptopsylla* (s. str.) *segnis*, *Mesopsylla tuschkan tuschkan*, *Mesopsylla apscheronica*, *Frontopsylla* (s. str.) *elata caucasica*, *Ophthalmopsylla* (s. str.) *volgensis arnoldi*, *Amphipsylla rossica* türleri tesbit edilmiştir.

Bu türler arasında *Frontopsylla elata caucasica* ve *Leptopsylla algira costai* Türkiye pire faunası için ilk kayıttır.

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