

Preliminary list of Auchenorrhyncha with notes on distribution and importance of species in Turkey

III. Families Meenoplidae, Derbidae, Achilidae, Dictyopharidae and Tettigometridae

N. Lodos*

A. Kalkandelen**

Summary

In the present paper, Meenoplidae, Derbidae, Achilidae, Dictyopharidae and Tettigometridae species are given. New species, *Malenia licea* Dlabola (Derbidae) and *Philotheria lodosi* Dlabola (Dictyopharidae) were determined and described by Dlabola (1979) among the material collected during this study. Meenoplidae represented by only one, Derbidae by two, Achilidae by three, Dictyopharidae by fourteen and Tettigometridae by eighteen species. Totally thirteen species from the last three families, in addition to two new species are added to the previous records as the results of this study.

Introduction

Oshanin (1912) and Fahringer (1922) recorded only a few species of the above five families of Auchenorrhyncha from Turkey. However, Dlabola (1957a) and Linnavuori (1965) recently reported about ten species belonging to these families.

Meenoplidae is represented in Turkey by only one (*Meenoplus albosignatus* Fieber) of the six species belonging four genera in Palearctic region.

* University of Ege, Faculty of Agriculture, Department of Entomology and Agricultural Zoology, Bornova, Izmir-Turkey.

** Plant Protection Research Institute, Plant Protection Museum, Kalaba-Ankara/Turkey.

Dlabola (1977) just recently recorded *Malenia bosnica* (Horvath) of Derbidae in Turkey. From the specimens collected during this study, a new species, *Malenia licea* Dlabola was determined and described by Dlabola (1979).

Family Achilidae was previously represented by only two species of two genera. One additional species, *Cixidia parnassia* (Stal) is recorded during this study.

Five new records are added to the list of Dictyopharidae, which was previously represented by eight species of four genera. Also a new species, *Philotheria lodosi* Dlabola was determined and described by Dlabola (1979), to whom the authors' appreciations are extended for his contributions to the Turkish fauna of Auchenorrhyncha.

Previously eleven species were recorded belonging to family Tettigometridae. Now, seven new records are added to the list.

Some more species may be added to the list of these five families after a more close study of them, especially to that of Dictyopharidae and Tettigometridae.

The species belonging to these families are usually not economically important. Generally they do not build up large populations. They feed on mostly various weeds, some trees and cultivated plants. Although, *Tettigometra costulata* Fieber was wound on *Pistacia vera* trees in southeastern part of Turkey, not noticed to cause a serious damage to the trees.

The material and the systematic procedure followed as it is mentioned in the first paper of this series (See, Lodos and Kalkandelen, 1980).

Meenoplidae Fieber, 1872

Meenoplus albosignatus Fieber, 1866

General Distribution : Cyprus, Greece, Israel, Italy, Jordan, Turkey, USSR., Yugoslavia, Iraq (Dlabola, 1957a).

Distribution in Turkey : This species had been listed from Turkey by Osahanin (1912). Dlabola (1957a) recorded this species from Ankara (Ayaş, Baraj) and Gaziantep, on xerophilous vegetation. Linnavouri (1965) collected it near Ankara and Bolu (Gerede) on *Salix*.

Material examined : Adiyaman (Gerger, Kahta), Ankara (Lalahan), Hakkari (Çukurca), Mardin (Derik, Midyat) and Muş - Totally 39 specimens.

Occurrence : Mostly distributed in middle and southeastern part of Turkey, in small numbers.

Biological note : Adults were mostly collected through June and some in August, on *Quercus* sp. and weeds. Lindberg (1948) recorded *Platanus orientalis*, *Rubus ulmifolius* var. *anatolicus* and *Melissa officinalis* as host plants of this species in Cyprus. *Quercus ithaburensis* had been given as host plant in Irsael by Linnavuori (1962).

Derbidae Spinola, 1839

Malenia licea Diabola, 1979

Diabola (1979) described this species from the specimens collected in Lice (Diyarbakır).

Occurrence : Occasional.

Biological note : Adults were collected in mid-June of 1976, on *Quercus* sp. and *Salix* sp.

One paratype specimen is in the collection of University of Ege, Faculty of Agriculture, Izmir.

Malenia bosnica (Horvath, 1907)

Synonymy : *M. turanica* Anufriev, 1966.

General Distribution : ? Afghanistan, Cyprus, Italy, Romania, USSR., Yugoslavia, Turkey (Diabola, 1977).

Distribution in Turkey : Diabola (l.c.) recorded one male specimen of this species collected by N. Lodos from Mardin - Ömerli.

Biological note : Diabola (l.c.) also stated that this species could be found in humid valleys having *Populus* and *Salix* trees.

The authors have no representative of this species.

Achilidae Stal, 1866

Cixidia marginicollis (Spinola, 1839)

General Distribution : Albania, Austria, Czechoslovakia, France, Germany, Hungary, Italy, Romania, Spain, Switzerland, Syria, Turkey, USSR., Yugoslavia.

Distribution in Turkey : Linnavuori (1965) recorded this species from Adana (Pozantı).

Biological note : Emelyanov (1964) reported this species on oak, and Linnavuori (1965) from that of dried *Pinus* branches in August.

The authors have no representative of this species.

Cixidia parnassia (Stal, 1859)

General Distribution : Afghanistan, Bulgaria, Czechoslovakia, France, Greece, Hungary, Romania, Yugoslavia.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Çorum (İskilip), Gaziantep (Araban), İzmir (Urla), Muğla, Çankırı (Çerkeş)-Totally 6 specimens.

Occurrence : Occasional.

Biological note : Adults were collected from the beginning of April through the first week of June, on *Prunus amygdalus*, *Pinus* sp. and various weeds.

Akotropis quercicola Linnavuori, 1962

General Distribution : Israel, Turkey, Bulgaria (Dlabola, 1970).

Distribution in Turkey : Linnavuori (1965) collected one specimen from Hatay (Yayladağ). Dlabola (l.c.) also recorded one male specimen of this species from Gaziantep.

Biological note : Linnavuori (1962, 1965) recorded this species on *Quercus ithaburensis* in Israel and *Q. calliprinos* in Turkey. Dlabola (l.c.) also recorded it in forest steppe on *Quercus* in Bulgaria.

The authors have no representative of this species.

Dictyopharidae Spinola, 1839

Calladictya krueperi (Fieber, 1876)

Synonymy : *C. krueperi moreana* Melichar, 1912.

General Distribution : Greece, Turkey, Yugoslavia.

Distribution in Turkey : Linnavuori (1965) recorded this species first time in Turkey from Hatay (İskenderun, Yayladağ).

Material examined : İzmir (Kiraz), Tunceli - Totally 5 specimens.

Occurrence : Occasional.

Biological note : Adults were collected in last week of July and the beginning of August, on *Quercus* sp. and weeds. Linnavuori (1965) collected the specimens from *Myrtus* - *Poterium macchia*.

Dictyophara lindbergi Metcalf, 1955

Synonymy : *Fulgora acuminata* Lindberg, 1954; *D. acuminata hispana* Linnavuori, 1965.

General Distribution : Cyprus, Spain, Turkey.

Distribution in Turkey : Dlabola (1957a) collected the specimens of this species from Adana (Gavurdağı).

Material examined : İzmir (Bornova, Mordoğan, Narhdere, Tire, Torbalı - Ayrancılar), Kütahya (Simav), Muğla (Fethiye, Milas), Tekirdağ (Hayrabolu, Pehlivanköy) - Totally 15 specimens.

Occurrence : Distributed in western and southern part of Turkey, but in small numbers.

Biological note : The specimens were collected mostly in mid-June, through the beginning of August, on *Pyrus malus*, *Prunus communis*, *Hibiscus esculentus*, *Cannabis sativa*, *Vicia* sp., *Echinops* sp. and some weeds. Dlabola (1958) reported this species on *Pistacia* in Cyprus.

Dictyophara asiatica Melichar, 1912.

General Distribution : Cyprus, Israel, Turkey.

Distribution in Turkey : Lindberg (1948) has given only Turkey as a distributed country, while describing male genitalia from the material collected in Cyprus. Dlabola (1957a) collected the specimens from Adana (Bürücek - Toros) and Ankara (Baraj). Linnavuori (1965) also found some specimens near Sakarya.

Material examined : Amasya, Aydın (Germencik), Balıkesir (Susurluk), Bilecik (Gölpazarı), Bolu (Mengen), Burdur, Denizli, Diyarbakır (Silvan), Elazığ, Eskişehir (Laçın), Erzincan (Bahçeliköy), Isparta (Eğridir), İzmir (Bornova, Ödemiş, Torbalı - Ayrancılar), Kırklareli (Vize), Manisa (Central province, Gördes), Muğla (Fethiye - Seki), Tekirdağ, Urfa (Hilvan), Van (Edremit) - Totally 42 specimens.

Occurrence : Common but sometimes in large numbers.

Biological note : Adults were collected from the end of March through the mid-September, on *Cannabis sativa*, *Sesamum* sp., *Verbascum* sp., *Solanum* sp., *Castanea vesca*, *Quercus* sp. and various weeds. Dlabola (1957a) collected the specimens from xerophilous vegetation.

Dictyophara europaea (Linnaeus, 1767)

Synonymy : *Dictyophora* (sic) *europaea rosea* A. Costa, 1862; *D.* (sic) *italica* Kbm., 1868; *D. europaea lutea* Mel., 1896.

General Distribution : Afghanistan, Albania, Algeria, Austria, Belgium, Bulgaria, China, Czechoslovakia, France, Germany, Greece, Hungary, Italy, Iraq, Poland, Portugal, Romania, Spain, Switzerland, Tunisia, USSR., Yugoslavia.

Distribution in Turkey : This species is previously reported in Turkey from İstanbul (Polenezköy) by Fahringer (1922). Dlabola (1961) also listed it as Anatolia among the countries distributed.

Material examined : Ankara (Çubuk, Karagöl, Lalahan), Denizli (Çardak), Diyarbakır (Central province, Çermik), Eskişehir (Laçın), Isparta (Eğridir), İstanbul (Silivri), İzmir (Narlıdere, Tire, Torbalı - Ayrancılar), Kars (İğdır), Kastamonu (Tosya), Manisa (Salihli), Muğla (Central province, Fethiye, Yatağan), Muş, Ordu (Kumru), Samsun, Siirt (Kozluk, Şırnak), Van (Muradiye) - Totally 64 specimens.

Occurrence : Very common, sometimes in large numbers.

Biological note : Adults were collected mostly through July and August, and some at the beginning of June and September, on *Medicago sativa*, *Sesamum* sp., *Cannabis sativa*, *Chenopodium* sp., *Oryza sativa*, *Aephionerma* sp., *Prunus* sp., *Pinus* sp., *Verbascum* sp. and various weeds and some from light traps. Fahringer (1922) recorded on *Veronica anagallis*. Emelyanov (1964) stated that this species is injurious to irrigated crops.

Dictyophara exoptata Dlabola et Heller, 1962

General Distribution : Iran. .

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Diyarbakır (Silvan) - Only one specimen.

Biological note : The only specimen was collected in July on *Sesamum* sp.

Dictyophara iranica Linnavuori, 1962

General Distribution : Iran.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Siirt - Only one specimen.

Biological note : The specimen was collected at the first week of August, on *Oryza sativa*.

Dictyophara multireticulata Mulsant et Rey, 1855

Synonymy : *Dictyophora* (sic) *heydenii* Kbm., 1868; *D.* (sic) *multireticulata sulphuricollis* Rey, 1894.

General Distribution : Albania, Austria, Bulgaria, Czechoslovakia, France, Greece, Hungary, Israel, Italy, Portugal, Romania, Spain, USSR., Yugoslavia.

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Denizli (Kale), Van (Başkale) - Totally 2 specimens.

Occurrence : Very occasional.

Biological note : The specimens were collected from the beginning of June through August, on *Platanus* sp., *Myricaria* sp., Linnavuori (1962) collected specimens of this species on *Quercus ithaburensis* in Israel. Emelyanov (1964) stated that oaks are the host plants of this species.

Dictyophara pannonica (Germar, 1830)

Synonymy : *D. pannonica rosea* Fieber, 1876 (Primary homonym); *D. pannonica viridis* Fieber, 1876; *Dictyophora* (sic) *pannonica diminuta* Horvath, 1901; *Chanithus pannonicus fieberi* Metcalf, 1946.

General Distribution : Bulgaria, China, Czechoslovakia, Hungary, Romania, Turkey, USSR.

Distribution in Turkey : Dlabola (1957a) recorded this species under the name of *Chanithus pannonicus* Germar from Ankara (Beynam). Linnavuori (1965) also collected some specimens from Ankara (Hirfanlı).

Material examined : Ankara (Lalahan), Kırşehir (Kaman, Mucur), Nevşehir (Avanos) - Totally 4 specimens.

Occurrence : Occasional.

Biological note : Adults were collected in August, on weeds.

Dictyophara striata Oshanin, 1879

Synonymy : *Dictyophora* (sic) *unicolor vittata* Puton, 1892; *D. striata albostriata* Linnavuori, 1962.

General Distribution : Algeria, China, Egypt, Iraq, Israel, Jordan, Morocco, USSR., (Oriental and Ethiopian regions).

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Çankırı - Only one specimen.

Biological note : The specimen was collected in August, on *Chenopodium* sp. Linnavuori (1962) stated that this species is relatively common among herbs in fresh biotopes in southern Israel.

Dictyophara riphias Puton, 1884

Synonymy : *D. riphias compacta* Linnavuori, 1962.

General Distribution : This is the first record of this species in Turkey.

Material examined : İzmir (Beydağ) - Only one specimen.

Biological note : The specimen was collected at the end of July, on weeds. *Pistacia lentiscus*, *Quercus calliprinos*, *Q. ihaburensis* were given as host plants of this species by Linnayuori (1962), in Israel.

Ranissus leptopus Fieber, 1866

Synonymy : *Palaeorgerius edirneus* Dlabola, 1957.

General Distribution : Bulgaria, Greece, Turkey.

Distribution in Turkey : Oshanin (1912) previously listed this species from Asia Minor. Dlabola (1957a) described the specimens under the name of *P. edirneus* of which collected on steppe vegetation from Edirne.

The authors have no representative of this species.

Ranissus punctiger (Horvath, 1905)

General Distribution : Turkey.

Distribution in Turkey : Oshanin (1912) previously listed this species as Asia Minor. Dlabola (1957a) transferred the species to genus *Palaeorgerius* and reported it from Ankara (Baraj).

Material examined : Afyon (Erkmen), Ankara (Çubuk Baraj I), Muğla (Fethiye - Seki) - Totally 3 specimens.

Occurrence : Occasional.

Biological note : Adults were collected from the mid-June through mid-August, on weeds.

Nymporgerius curticeps (Linnavuori, 1965)

General Distribution : This species seems to be an endemic for Turkey.

Distribution in Turkey : Linnavuori (l.c.) described this species from one female specimen, collected from Ankara (Hirfanlı).

Material examined : Mardin (İdil), Urfa (Ceylanpınar) - only two specimens.

Occurrence : Very occasional.

Biological note : Adults were collected in June and mid-August, on steppe vegetation.

Philotheria lodosi Diabola, 1979

Distribution in Turkey : Diabola (l.c.) described this species from the specimens collected in Mardin (Cizre) and Diyarbakır.

Biological note : Adults were collected in June and July on *Oryza sativa*.

One paratype specimen is in the collection of Ege University, Faculty of Agriculture, İzmir.

Tettigometridae Germar, 1821

Mitricephalus macrocephalus (Fieber, 1865)

Synonymy : *Tettigometra macrocephalus trifasciata* Fieb., 1865; *T. (Mitricephalus) longiceps* Sign., 1866; *T. macrocephalus concolor* Fieb., 1876 (Primary homonym); *Mitricephalus macrocephalus contaminatus* Metcalf, 1932.

General Distribution : Afghanistan, Austria, Belgium, Czechoslovakia, France, Germany, Greece, Romania, Switzerland, USSR., Algeria (Diabola, 1957b).

Distribution in Turkey : This species constitutes a new record for Turkey

Material examined : Kocaeli (Gölcük), Van (Başkale) - Only two specimens.

Biological note : Adults were collected in late July. Diabola (1975b) noted that this species could be found on fresh and xerophilous vegetation.

Tettigometra angulata Lindberg, 1948

General Distribution : Afghanistan, Iran, Israel, Turkey, USSR.

Distribution in Turkey : Diabola (1957b) listed it as Turkey but, without giving any specific location. The authors have not been able to find any note on detailed distribution of this species in Turkey, in the literature at their disposal. Also, have no representative of this species in their collection.

Tettigometra atrata Fieber, 1872

General Distribution : Austria, France, Germany, Italy, Turkey, USSR., Yugoslavia.

Distribution in Turkey : The authors have not been able to find any literature, indicating that this species found in Turkey other than Nast (1972).

The authors also have no representative of this species.

Tettigometra beckeri Horvath, 1909

General Distribution : Algeria, Canary Is., Morocco, Spain, Tunisia, Turkey, USSR.

Distribution in Turkey : Dlabola (1957a) reported this species from Edirne, on steppe vegetation .

The authors have no representative of this species.

Tettigometra costulata Fieber, 1865

Synonymy : *T. parviceps* Sing., 1866; *T. heydenii* Kbm., 1868; *T. costulata abrupta* Fieb., 1876; *T. costulata albofasciata* Fieb., 1876; *T. costulata unifasciata* Fieb., 1876.

General Distribution : Afghanistan, Algeria, Cyprus, Egypt, Iran, Israel, Italy, Jordan, Morocco, Portugal, Spain, Syria, Tunisia, USSR., Yugoslavia.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Adana (Çukurova), Adıyaman (Gerger, Kâhta-Narince, Nemrut), Bingöl (Solhan), Diyarbakır (Central province, Çermik, Çüngüş, Silvan), Elazığ (Düzönü, Hazar gölü, Karakoçan, Palu), Erzincan, Gaziantep (Central province, Battal köyü, Araban, Güneriz, Nizip, Oğuzeli), Hakkari (Central province, Çukurca), Kars (Iğdır), Malatya (Hekimhan), Mardin (Central province, Derik, Mazıdağı, Nusaybin, Ömerli, Yeşilli), Siirt (Central province, Kozluk), Urfa (Siverek), Van (Edremit) - Totally 110 specimens.

Occurrence : Distributed largely in east and southeastern part of Turkey.

Biological note : Adults were collected starting from mid-May, mostly in June and up to mid-August, on various plants. It was collected on *Prunus domestica*, *Prunus armeniaca*, *P. amygdalus*, *P. avium*, *Punica granatum*, *Pistacia vera*, *Rubus fruticosus*, *Olea europaeae*, and various weeds, such as *Verbascum*, *Scrophularia* sp., *Mentha* sp.

Tettigometra depressa Fieber, 1865

General Distribution : Algeria, Austria, Czechoslovakia, France, Germany, Hungary, Iran, Italy, Romania, USSR., Yugoslavia.

Distribution in Turkey : Fahringer (1922) reported this species from Konya and Maraş (Göksun) in grain fields on grass.

The authors have no representative of this species.

Tettigometra eremi Lindberg, 1948

General Distribution : Afghanistan, Iran, USSR.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Ankara (Çubuk Baraj I, Eymir, Lalahan), Aydın (Madran), Burdur (Yeşilova), Çanakkale (Gelibolu - Bolayır), İzmir (Tire), Manisa (Kula), Uşak -Totally 29 specimens.

Occurence : Common but in small numbers and distributed in Middle and Western Anatolia.

Biological note : Adults were collected from the end of May through mid-September, mostly on weeds, some on *Vicia faba*, *Cistus* sp., *Quercus* sp. and *Triticum* sp.

Tettigometra hexaspina Kolenati, 1857

Synonymy : *T. hispidula* Fieber, 1835; *T. callosa* Sign., 1866.

General Distribution : Bulgaria, Israel, Italy, Jordan, Portugal, Romania, Turkey, USSR., Yugoslavia.

Distribution in Turkey : Diabola (1957a) collected the specimens of this species from Ankara (Baraj) and Edirne.

Material examined : Ağrı (Hamur), Ankara (Çubuk Baraj I, Elmadağ, Eymir gölü), Gaziantep (Nizip), Giresun (Şebinkarahisar), Isparta (Eğridir), Tekirdağ, Urfa (Ceylanpınar) - Totally 18 specimens.

Occurence : Common, but in small numbers.

Biological note : Adults were collected from the end of April through the mid-August, mostly on steppe vegetation, some on *Pistacia vera*, *Medicago sativa*.

Tettigometra impressifrons Mulsant et Rey, 1855

Synonymy : *T. impressifrons marginata* Fieber, 1876.

General Distribution : Algeria, Belgium, France, Greece, Italy, Jordan, Morocco, Spain, Syria, Tunisia, Israel (Linnavuori, 1962).

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Siirt (Kozluk) - Only one specimen.

Biological note : The specimen was collected in mid-June, on weeds.

Tettigometra leucophea (Preissler, 1792)

Synonymy : *Fulgora obliqua* Panzer, 1799; *T. umbrosa* Germ., 1821; *T. obliqua platytaenia* Fieb., 1865; *T. obliqua tritaenia* Fieb. 1865; *T. obliqua vulgaris* Fieb., 1865; *T. bimaculata* Fieb., 1865 (Primary homonym); *T. obliqua panzeri* Fieb., 1865; *T. obliqua thoracica* Rey, 1894; *T. obliqua binotata* Metcalf, 1932; *T. obliqua fieberi* Blöte, 1943.

General Distribution : Afghanistan, Albania, Algeria, Austria, Belgium, Bulgaria, Czechoslovakia, France, Germany, Hungary, Israel, Italy, Jordan, Mongolia, Morocco, Netherlands, Norway, Poland, Romania, Spain, Syria, Tunisia, Turkey, USSR., Yugoslavia.

Distribution in Turkey : Dlabola (1957a) recorded this species from Adana (Bürücek, Tapan Gavur dağı), Ankara (Baraj, Beynam, Mogan gölü) and İstanbul (Mollafeneri) under the name of *T. obliqua* Panzer. Linnavuori (1965) also collected specimens near Ankara, Bolu and İstanbul (Silivri).

Material examined : Adyaman (Kâhta), Ağrı (Hamur), Ankara (Çubuk Baraj I, Çubuk Baraj II, Çubuk, Karagöl, Eymir gölü, Kayaş, Lalahan), Bilecik, Burdur, Çanakkale (Bayramiç), Çankırı (Ilgaz), Çorum (Dodurga, İskilip), Diyarbakır, Elazığ (Karakoçan), İzmir (Tire), Mardin (Midyat), Nevşehir (Göreme), Sivas (Koyulhisar), Tekirdağ (Central province, Şarköy), Urfa - Totally 53 specimens.

Occurrence : Distributed largely all over in Turkey.

Biological note : Adults were collected starting from mid-May, mostly in June and July, and some up to the beginning of November, mostly on *Quercus* sp., and some on *Castanea vesca*, *Prunus amygdalus*, *Humulus lupulus*, *Cannabis sativum*, *Medicago sativa*, *Triticum vulgare* and various weeds. Dlabola (1957a) and Linnavuori (1962, 1965) recorded this species on *Quercus*.

Tettigometra lyncea Horvath, 1903

General Distribution : France, Turkey, Yugoslavia.

Distribution in Turkey : Oshanin (1912) listed this species as Asia Minor.

The authors have no representative of this species.

Tettigometra sordida Fieber, 1865

General Distribution : Austria, Czechoslovakia, France, Hungary, Iran, Romania, USSR., Yugoslavia.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Ankara (Sereflikoçhisar) - Only one specimen.

Biological note : The specimen was collected in late August, on *Artemisia* sp. at a salty area.

Tettigometra sulphurea Mulsant et Rey, 1855

Synonymy : *T. sulphurea mendax* Horv., 1888; *T. sulphurea scutellaris* Horv., 1903.

General Distribution : Austria, Cyprus, Czechoslovakia, France, Greece, Hungary, Italy, Jordan, Spain, Turkey, USSR., Yugoslavia, Israel (Linnavuori, 1962).

Distribution in Turkey : Dlabola (1957a) recorded this species from Adana (Karataş, Tapan Gavur dağı), Ankara (Beynam, Mogan gölü) and İstanbul (Mollafeneri).

Material examined : Artvin, Aydın (Madran, Samsun dağı) Bilecik (Gölpazarı, Söğüt), Bursa (Yenişehir), Diyarbakır, Elazığ (Hazar gölü), İzmir (Bornova, Ödemiş), Kütahya (Tavşanlı), Nevşehir (Central province - Bağcılık İst.), Sakarya (Geyve), Urfa (Suruç), Uşak (Banaz), Van (Central province - Muradiye) - Totally 39 specimens.

Occurrence : Common.

Biological note : Adults were collected from late April through the beginning of October, on various plants, such as *Prunus persica*, *Crataegus* sp., *Pinus* sp., *Tuja* sp., *Gossypium* sp., *Medicago sativa*, *Centaurea* sp., *Verbascum* sp. Lindberg (1948) reported this species on *Juniperus foetidissima*, in Cyprus.

Tettigometra virescens (Panzer, 1799)

Synonymy : *Tettigometra* (sic) *dorsalis* Latreille, 1804; *T. bicolor* O. Costa, 1834; *T. sicula* Kbm., 1868; *T. virescens concolor* Fieb., 1876 (Primary homonym); *T. virescens hispanica* Fieb., 1876; *T. virescens notaticollis* Rey, 1891; *T. virescens subgrisea* Rey, 1891; *T. virescens variegata* Rey, 1891; *T. virescens brunnescens* Rey, 1894; *T. virescens luteicollis* Rey, 1894; *T. virescens luteiventris* Rey, 1894; *T. virescens confusa* Metcalf, 1932.

General Distribution : Algeria, Austria, Belgium, Czechoslovakia, France, Germany, Greece, Hungary, Italy, Libya, Morocco, Poland, Portugal, Romania, Spain, Tunisia, Turkey, USSR., Yugoslavia.

Distribution in Turkey : Fahringer (1922) recorded this species from Bursa (Uludağ). Bodenheimer (1953) also listed the species as the pest of *Juniperus* sp. in Turkey, without giving specific location. Linnavuori (1965) collected specimens from Hatay (Yayladağ - Belen) and Adana (Gülek).

Material examined : Adıyaman (Samsat), Ankara (Çubuk Baraj II, Eymir gölü), Diyarbakır (Devegeçidi, Silvan), Elazığ (Palu), Erzincan (Kemaliye), Gaziantep (Central province - Cağdın), Kars (Iğdır), Mardin (Nusaybin), Tunceli (Pülümür), Urfa (Hilvan, Siverek, Suruç), Van (Gürpınar - Kırkgeçit) - Totally 37 specimens.

Occurrence : Distributed largely in east and southeastern Turkey.

Biological note : Adults were collected from the beginning of June through the late August, on *Oryza sativa*, *Sesamum indicum*, *Gossypium* sp., *Beta vulgaris altissima*, *Glycyrrhiza glabra*, *Pyrus malus* and on various weeds, such as *Andropogon halapensis*, *Stipa* sp. Fahringer (1922) recorded *Juniperus nana*, Bodenheimer (1953) *Juniperus* sp. and Linnavuori (1965) *J. phoenicea* as host plant of this species.

Tettigometra vitellina Fieber, 1865

General Distribution : Afghanistan, Iran, Israel, USSR., Yugoslavia.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Ankara (Çubuk Baraj I, Lalahan), Van - Totally 3 specimens.

Occurrence : Very occasional.

Biological note : The specimens were collected in August and early September, on weeds.

Micrometrina baranii (Signoret, 1866)

General Distribution : Albania, Bulgaria, Czechoslovakia, France, Greece, Israel, Italy, Romania, Spain, Turkey, USSR., Yugoslavia.

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Ankara (Çubuk Baraj II, Eymir gölü, Kayaş), Mardin (Derik) - Totally 4 specimens.

Occurrence : Very occasional.

Biological note : The specimens were collected starting from the early June through the mid-September, on various weeds.

Micrometrina longicornis (Signoret, 1866)

General Distribution : Afghanistan, Algeria, France, Germany, Greece, Italy, Romania, Switzerland, Turkey, USSR., Yugoslavia.

Distribution in Turkey : Dlabola (1957a) recorded species from Ankara (Baraj, Beynam), and Edirne under the name of *Tettigometra longicornis* Sign.

The authors have no representative of this species.

Brachycephs exiguus (Horvath, 1901)

General Distribution : Turkey.

Distribution in Turkey : Oshanin (1912) listed this species as Asia Minor.

The authors have no representative of this species.

Özet

Türkiye Auchenorrhyncha türlerinin yayılışı ve önemlerine ait notlarla ön listesi

III. Meenoplidae, Derbidae, Achilidae, Dictyopharidae ve Tettigometridae familyaları

Bu makalede, Meenoplidae, Derbidae, Achilidae, Dictyopharidae ve Tettigometridae familyalarının 1979 yılı sonuna kadar Türkiye'de bulunan türleri verilmiştir. Derbidae familyasından *Malenia licea* Dlabola ve Dictyopharidae familyasından *Philotheria lodosi* Dlabola bu çalışma sırasında toplanan materyal içinden yeni tür olarak tesbit edilerek, tarif edilmiştir. Meenoplidae sadece bir, Derbidae iki, Achilidae üç, Dictyopharidae ondört ve Tettigometridae ise onsekiz tür ile Türkiye'de temsil edilmektedir. Bu çalışma sonunda iki yeni türe ek olarak son üç familyadan toplam onüç tür eski kayıtlara eklenmiştir.

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