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**Spiders of Ankara and environs
with a Description of a new Species *Xysticus turcicus*
(Araneae, Thomisidae)**

by

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Adres: Fen Fakültesi Tebliğler Dergisi, Fen Fakültesi, Ankara, Turquie.

**Spiders of Ankara and environs
with a Description of a new Species *Xysticus turcicus*
(Araneae, Thomisidae)**

SEVINÇ KAROL

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(received 19 October 1966)*

Spiders collected during the last thirteen years in Turkey were identified and a list of them given. A new species in the genus *Xysticus* was described.

After joining the faculty of the University of Ankara as a member of the Department of Zoology, I have engaged in a study of the spiders of Turkey. From 1953 to date, I tried to collect spiders from all over Turkey, but the majority of the specimens in this group was found in Ankara and in the immediate surroundings within a radius of 50 kilometers of Ankara.

Identification of these organisms was carried out at the National Museum of Natural History in Paris where I had the use of all their facilities including access to the world famous collection of **EUGÈNE SIMON**. I am indebted to Professor **MAX VACHON**, Head of the Laboratory of Arthropodes of the Museum, for making these facilities available to me.

List of the spiders of Ankara and environs.

The following species of spiders have been collected and identified by the author. Species marked with a * are new to Turkey and the ones marked with two ** are newly named, having been identified for the first time.

1. Family: **Filistatidae***Filistata insidiatrix* (FORSKOEL, 1775)

Kurtlar village, Düziçi, 7. 11. 1953.

Geog. Dist.: Russia, Canary, Azores

2. Family: **Amaurobiidae***Titanoeca albomaculata* (LUCAS, 1846)

Hacettepe, 30.7. 1954; Keçiören, 4.7.1954, 7.7.1954;

Etlik, 13.7.1954; Dikmen, 15.7. 1954; Abidinpaşa, 6.9.1959 (all in Ankara).

Geog. Dist.: Mediterranean.

3. Family: **Scariidae***Scytodes thoracica* (LATREILLE, 1802)

Etlik, 28.8.1953, 26.8.1955, 10.9.1959, Keçiören, 27.8.1953, 7.7.1954; 28.8.1955, Hacettepe, 28.8.1953, 30.7.1954; Dikmen, 27.8.1955; Çubuk, 27.8.1959; Abidin Paşa, 6.9.1959; Gülveren, 8.9.1959; Etimesut, 23.9.1959 (all in and around Ankara).

Geog. Dist. :Palearctic, Nearctic, South-and East Asia.

4. Family: **Pholcidae***Holocnomus pluchei* (SCOPOLI, 1763)

Hacettepe, Ankara, 28.8.1953; Kayaş, Ankara, 15.9.1959; Kurtlar village, Düziçi 7.11.1953.

Geog. Dist.: Europe, Nord Africa, Mesopotamia.

Pholcus phalangioides (FUESSLIN, 1775)

Around Ankara (date and place unknown)

Geog. Dist.: Cosmopolite.

5. Family: **Dysderidae***Dysdera westringi* PICK.-CAMBR. O., 1872

Karagöl, Ankara, 18.8.1953; Aband; 14.8.1955.

Geog. Dist.: Mediterranean.

6. Family: **Palpimanidae***Palpimanus gibbulus* DUFOUR, 1820

Dikmen, Ankara, 25.8.1953, summer 1954, 27.8.1955;
Etlik, Ankara, 26.8.1953, 10.7.1959; Keçiören, Ankara, 27.8.1953, 7.7.1954; Hacettepe, Ankara, 28.8.1954; Sultan Mountain, Akşehir, 25.5.1955; Hüseyin Gazi, Ankara, 13.8.1955, 10.9.1955; Ankara, 4.9.1959.

Geog. Dist.: Mediterranean, Turkestan, Africa, Arabia, India.

7. Family: **Agelenidae***Agelena labyrinthica* (CLERK, 1758)

Eymir Lake, Ankara, 6.7.1954; Kocatepe, Ankara. July. 1955.

Geog. Dist.: Europe, Asia.

Coeletes sp? Turkey (not mature, date and place unknown)

**Tegenaria annulipes* PICK.-CAMBR. O., 1872

Kurtlar village, Düziçi

7.11.1953 (First mentioning in Turkey)

Geog. Dist.: Syria.

Tegenaria parietina (FOURCROY, 1785)

Ankara, summer 1958, Yenikapı, İstanbul, 13.7.1955

Geog. Dist.: Europe, Russia, Syria, Filistin, Nord Africa.

8. Family: **Oxyopidae***Oxyopes heterophthalmus* (LATREILLE, 1804)

Turkey (date and place unknown)

Geog. Dist.: Europe, Nord Africa, Caucasus, Turkestan, China.

Oxyopes lineatus LATREILLE, 1806

Turkey (date and place unknown)

Geog. Dist.: Europe, Nord Africa, Caucasus, Turkestan, Himalaya.

9. Family **Pisauridae**

Pisaura sp? Turkey (date and place unknown)

10. Family: **Lycosidae**

Alopecosa albofasciata (BRULLÉ, 1832)

Kurtlar village, Düziçi, 7.11.1953

Geog. Dist.: Europe, Caucasus, Turkestan, Syria, Filistin, Tunisia.

Lycosa radiata LATREILLE, 1817

Around Ankara, (date unknown)

Geog. Dist.: Mediterranean, Caucasus, Turkistan.

Lycosa vultuosa KOCH C.L., 1839

Ankara, August, 1956; Bahçelievler, Ankara, 4.10.1963

Geog. Dist.: Hungary, Balkan, Russia, Caucasus, Turkistan, Syria.

Lycosa sp? (Groupe 12)

Youth Parc, Ankara, 26.3. 1954

**Pardosa agrestis* (WESTRING, 1861)

Around Ankara (date unknown) (First mentioning in Turkey).

Xerolycosa sp? (Groupe 5)

Ankara, May 1954.

11. Family: **Argiopidae**

Araneus adiantum WALCKENAER, 1802

Filyos, August, 1953; Manyas, 6.5.1961.

Geog. Dist.: Europe, Asia, Nord Africa.

**Araneus armida* (SAV. and AUD., 1825)

Malatia, Asie Mineure (from the Collection of E. Simon,

date and collector unknown) (First mentioning for Turkey).

Geog. Dist.: Europe, Russia, Caucasus, Nord Africa.

Araneus circe (SAV. and AUD., 1825)

Keçiören, Ankara, summer 1955; Gölbaşı, June 1959.

Geog. Dist.: Europe, Russia, Turkistan, Syria, Filistin, Nord Africa.

Araneus cornutus CLERCK, 1758

Gölbaşı, Ankara, 18.8.1953, 23.9.1953, 6.7.1954, 26.8.1955, May, 1959; Akşehir, 26.5.1955, on wooden parts around lakes.

Geog. Dist.: Palearctic, Nearctic.

Araneus cucurbitinus CLERCK, 1758

Keçiören, Ankara, 30.6.1958

Geog. Dist.: Palearctic; Nord Africa.

Araneus dalmaticus (DOLESCHALL, 1852)

Filyos, July 1953

Geog. Dist.: Europe, Russia, Caucasus, Syria, Filistin, Nord Africa.

***Araneus karabagi* Karol, 1965

Karadağ, Hakkâri, 3.8.1953 (3000 m) (Karol, 1965)

Geog. Dist.: East Turkey.

**Araneus ullrichi* (HAHN, 1834)

Akşehir, 25.5.1955 (First mentioning in Turkey)

Geog. Dist.: Europe, Russia.

Argiope bruennichi (SCOPOLI, 1772)

Dikmen, Ankara, 30.8.1955

Geog. Dist.: Palearctic, Nord Africa.

Argiope lobata (PALLAS, 1772)

Hüseyin Gazi Mountain, Ankara, 13.8.1953; Dikmen, Ankara, 25.8.1953; Acıgöl, Konya, 23.8.1955; Balgat, Ankara, 27.8.1959.

Geog. Dist.: Europe, Russia, South Asia, Africa.

**Tetragnatha obtusa* KOCH C.L., 1837

Cihanbeyli, Konya, June, 1954; Manyas, 6.5.1961, at the sides of lakes, on the grass (First mentioning in Turkey).

Geog. Dist.: Palearctic, Asia, Madeira.

Tetragnatha striata KOCH L., 1862

Akşehir, 25.5.1955, on the reeds (First mentioning in Turkey).

Geog. Dist.: Europe, Russia.

Zilla diodia (WALCKENAER, 1802)

Asie Minor (from the Collection of E. Simon, date unknown (First mentioning in Turkey).

Geog. Dist.: Europe, Russia, Nord Africa.

12. Family: **Linyphiidae**

Leptyphantes leprosus (OHLERT, 1865)

Gülveren, Ankara, 8.9.1959.

Geog. Dist.: Europe, Russia, Turkistan, Filistine, U.S.A.

Linyphia frutetorum KOCH C.L., 1834

Barrage, Ankara, 27.7.1954 (on pine trees); Sultan Mountain, Akşehir, 25.5.1955.

Geog. Dist.: Europe, Russia, Filistin, Nord Africa, China.

Linyphia furtiva PICK. - CAMBR. O., 1871

Turkey (date and place unknown)

Geog. Dist.: Europe.

**Linyphia hortensis* SUNDEVALL, 1829

Hüseyin Gazi Mountain, Ankara, 16.9.1955 (First mentioning in Turkey).

Geog. Dist.: Europe, Russia, Turkistan, China.

13. Family: **Erigonidae****Oedothorax tuberosus* (BLACKWALL, 1841)

Kayaş, Ankara, 15.9.1959 (First mentioning in Turkey).

Geog. Dist.: Europe, Russia.

14. Family: **Theridiidae****Asagena phalerata* (PANZER, 1801)

Hacettepe, Ankara, 30.7.1959; Çubuk, Ankara, 27.8.1959 (First mentioning in Turkey).

Geog. Dist.: Europe, Asia, Nord Africa.

Latrodectus tredecimguttatus (ROSSI, 1790)

Gölbaşı, Ankara, June 1953; Etlik, Ankara, 13.7.1954; Dikmen, Ankara, 15.7.1954; Ankara, 1955.

Geog. Dist.: Mediterranean, Middle-Asia, Arabia, Abyssinia.

Lithyphantes albomaculatus (De GEER, 1778)

Keçiören, Ankara, 7.7.1954; Dikmen, Ankara, 3.8.1954, August 1959; Kayaş, Ankara, 15.9.1959; Etimesut, Ankara, 23.9.1959.

Geog. Dist.: Europe, Russia, Caucasus, Filistin, Asia, Nord America.

Lithyphantes paykullianus (WALCKENAER, 1806)

Hüseyin Gazi Mountain, Ankara 16.9.1955; 1953 Gölbaşı, Ankara, 18.8.1953, Kızılay, Ankara, September (on the walls of pracs), Youth Parc, Ankara, 26.3.1954, Hacettepe, Ankara, 30.7.1954, Keçiören, Ankara, 28.8.1955, Gülveren, Ankara, 8.9.1959, Etimesut, Ankara, 23.9.1959; İzmir, September, 1961.

Geog. Dist.: Europe, Russia, Caucasus, Turkistan, Syria, Filistin, Nord Africa.

**Teutana castanea* (CLERCK, 1758)

Bahçelievler, Ankara, 28.8.1953; Bakanlıklar, Anka-

ra, 2.9.1953; Kızılay, Ankara, 15.9.1953; Ankara, 20.5.1955; Etlik, Ankara, 27.8.1955; Hüseyin Gazi Montain, Ankara, 16.9.1955; Abidin Paşa, Ankara, 6.9.1959; Dikmen, Ankara, 2.9.1959 (First mentioning in Turkey).

Geog. Dist.: Europe, Russia, Caucasus, Turkistan.

Teutana triangulosa (WALCKENAER, 1802)

Bahçelievler, Ankara, 5.9.1953; Gölbaşı, Ankara, 18.8.1953; Ankara, house, 23.3.1954; Hacettepe, Ankara, 23.6.1954; Etlik, Ankara, 29.8.1955, 10.9.1959; Dikmen, Ankara, 2.9.1959; Abidin Paşa, Ankara, 6.9.1959; Gülveren, Ankara, 8.9.1959; Kayaş, Ankara, 15.9.1959; Etimesut, Ankara, 23.9.1959.

Geog. Dist.: Europe, Russia, Turkistan, Altai, Nord Africa.

15. Family: **Mimetidae**

* *Ero aphana* (WALCKENAER, 1802)

Çubuk, Ankara, 27.8.1959 (First mentioning in Turkey).

Geog. Dist.: Europe, Russia, Nord Africa.

17. Family **Drassidae**

* *Aphantaux semigrina* [subsp.] *trimaculata* SIMON, 1878

Eymir Lake, Ankara, 6.7.1954, 18.8.1955 (First mentioning in Turkey).

Geog. Dist.: France, Italy, Rumania.

* *Drassodes difficilis* (SIMON, 1878)

Ankara (place and date unknown) (First mentioning in Turkey).

Geog.: Dist.: France, Italy, Spain.

Drassodes lapidosus (WALCKENAER, 1802)

Hüseyin Gazi Montain, Ankara, 13.8.1953; Ankara,

June, 1953; Etimesut, Ankara, 27.7.1954; Ankara
July, 1954; Sultan Mountain, Akşehir, 25.6.1956
(under stones).

Geog. Dist.: Palearctic.

Drassodes lutescens (KOCH C.L., 1839)

Hüseyin Gazi Mountain, 12.8.1953.

Geog. Dist.: Mediterranean, Iran.

* *Drassodes macellinus* (THORELL, 1871)

Keçiören, Ankara, 7.7.1954 (First mentioning in Turkey).

Geog. Dist.: France, Italy, Spain, Dalmatia, Algeria, Tunisia.

Drassodes pubescens (THORELL, 1856)

(Place and date unknown) Turkey.

Geog. Dist.: Palearctic.

* *Gnaphosa corticola* SIMON, 1914

Keçiören, Ankara, 30.6.1958 (First mentioning in Turkey).

Geog. Dist.: France, Italy.

Gnaphosa lucifuga (WALCKENAER, 1802)

Eymir Lake, Ankara, 30.6.1954 (under stones); Etlik, Ankara, 13.7.1954.

Geog. Dist.: Palearctic.

Nomisio aussereri (KOCH L., 1872)

Hüseyin Gazi Mountain, Ankara, 10.9.1955; Tekebeli, Ankara, 13.9.1959; Dikmen, Ankara, 2.9.1959; Er-
ciyas Mountain 19.8.1959 (2000 m).

Geog. Dist.: Mediterranean.

Nomisio exornata (KOCH C.L., 1839)

Sultan Mountain, Akşehir, 25.5.1955.

Geog. Dist.: Europe, Russia, Turkistan, Nord Africa.

* *Scotophaeus scutulatus* (KOCK L., 1866)

Eymir Lake, Ankara, 24.6.1955 (First mentioning in Turkey).

Geog. Dist.: Europe, Russia.

* *Zelotes apricorum* (KOCH L., 1876)

Turkey (date and place unknown) (First mentioning in Turkey).

Geog. Dist.: Palearctic.

* *Zelotes longistylus* SIMON, 1914

Ankara, 30.7.1954; Eymir Lake, (under stones), Ankara, 30.6.1954, (First mentioning in Turkey).

Geog. Dist.: France.

17. Family: **Clubionidae**

* *Chiracanthium mildei* KOCH L., 1864

Ankara, house, May 1959 (First mentioning in Turkey).

Geog. Dist.: Europe, Russia, Nord Africa.

Chiracanthium pelasgicum (KOCH C.L., 1837)

Eymir Lake, Ankara, 18.8.1953, 6.7.1954.

Geog. Dist.: Mediterranean, Canary.

18. Family: **Thomisidae**

** *Oxyptila ankarensis* KAROL, 1966

Barrage, Ankara, 27.5.1954, Karol, 1966 (3).

Geog. Dist.: Turkey.

** *Philodromus bonneti* KAROL, 1966-7

Bursa, May 1961, KAROL 1966-7 (5).

Geog. Dist.: Turkey.

* *Philodromus glaucinus* SIMON, 1870

Manyas 6.5.1961 (First mentioning in Turkey).

Geog. Dist.: Mediterranean.

Philodromus poecilus (THORELL, 1872)

Gölveren, Ankara 8.9.1959.

Geog. Dist.: Palearctic, Turkestan, China, Japan.

* *Proxysticus cribratus* (SIMON, 1885)

Dikmen, Ankara, 27.8.1955 (First mentioning in Turkey).

Geog. Dist.: Mediterranean.

Proxysticus graecus (KOCH C.L., 1838)

Hüseyin Gazi Mountain, Ankara, 16.9.1955, 9.9.1964; Keçiören, Ankara, 7.7.1954.

Geog. Dist.: Europe, Filistin, Mesopotamia, Rhodes.

Proxysticus lalandei (SAV. and AUD., 1825)

Hüseyin Gazi Mountain, Ankara, 9.9.1964.

Geog. Dist.: Mediterranean, Russia, Caucasus, India.

* *Proxysticus thessalicus* (SIMON, 1917)

Beşgöz, Konuklar Farm, Konya, 26.5.1963, (First mentioning in Turkey).

Geog. Dist.: Greece.

Runcinia lateralis (KOCH C.L., 1838)

Manyas, 6.5.1961.

Geog. Dist.: Europe, Russia, Caucasus, Turkestan,, China, Syria, Filistin, Nord Africa.

Synaema globosum (FABRICIUS, 1775)

Karacabey, Bursa, 5.6.1961.

Geog. Dist.: Palearctic.

* *Synaema plorator* PICK.-CAMBR. O., 1872

Uludağ Bursa, May, 1961 (First mentioning in Turkey).

Geog. Dist.: Hungary, Balkan, Russia, Siberia, Turkestan, Syria, Filistin, Tunisia, Rhodes.

** *Thanatus okayi* KAROL, 1966-7

Bursa, May 1961, KAROL 1966-7 (4).

Geog. Dist.: Turkey.

Thanatus vulgaris SIMON, 1870

Ankara, July 1958.

Geog. Dist.: Mediterranean, Canary.

Thomisus hilarulus SIMON, 1875

Ankara, 2.8.1954; Hüseyin Gazi Mountain, 9.9.1964.

Geog. Dist.: France, Canary, Tunisia, Tripoli, Syria.

Thomisus onustus WALCENAER, 1805

Keçiören, Ankara, 13.10.1955.

Geog. Dist.: Palearctic.

**** *Xysticus jezequeli* KAROL, 1966**

Tekebeli, Ankara, 13.9.1959. KAROL 1966 (1).

Geog. Dist.: Turkey.

Xysticus kochi THORELL, 1872

Ankara, May 1954; Karacabey, Bursa, 5.6.1961.

Geog. Dist.: Europe, Russia, Caucasus, Syria, Tunisia,

**** *Xysticus pelini* KAROL, 1966-7**

Beşgöz, Konuklar Farm, Konya, 26.4.1963. KAROL 1966-7 (6).

Geog. Dist.: Turkey.

*** *Xysticus rectilineus* (PICK.-CAMBR.O., 1872)**

Dikmen, Ankara, 25.8.1953; Etlik, Ankara, 3.7.1954; Hacettepe, Ankara, 30.7.1954; Hüseyin Gazi Mountain, Ankara, 16.9.1959; Keçiören, Ankara, 4.9.1959, (First mentioning in Turkey).

Geog. Dist.: Syria, Filistin, Tripoli.

*** *Xysticus striatipes* KOCH L., 1870**

Hüseyin Gazi Mountain, Ankara 9.9.1964, (First mentioning in Turkey).

Geog. Dist.: Palearctic, Asia.

**** *Xysticus şişli* KAROL, 1966**

Beşgöz, Konuklar Farm, Konya, 26.5.1963. KAROL 1966 (2).

Geog. Dist.: Turkey.

* *Xysticus ulmi* (HAHN, 1831)

Beşgöz, Konuklar Farm, Konya, 26.5.1963, (First mentioning in Turkey).

Geog. Dist.: Palearctic. Asia.

Included here are 79 species which represent 44 genera and 18 families. Twenty-seven of these species were collected for the first time in Turkey and eight are identified for the first time.

Description of a new species, *Xysticus turcicus*:

Diagnose:

Holotype: 1♀, 27.5.1954, Barrage, Ankara.

Dimensions: Total length: 3.5 mm.

Cephalothorax: Length: 2.0 mm, width: 1.7 mm.

Abdomen: Length: 1.9 mm, width: 1.1 mm.

Clypeus has a series of spines which are long and erect. One of them is located in the middle of the clypeus and the others stay at the both sides of the median one (3+1+3). The cheliceras are brown with yellowish desing on them.

Eyes: The posterior eyes are more recurved than anterior eyes. The posterior median eyes are a little more widely separated than the anterior median eyes. The posterior median eyes are the smallest and the anterior laterals are the largest. There is a yellowish band between the anterior laterals which sorrounds the anterior medians and then extends to the corners of clypeus as a triangular form.

Colour: The cephalothorax has a cephalic band which has a triangular form with its peak placed posteriorly and with the two side lines rectilinear towards the eyes. The colour of this band is yellowish. Inside the band and between the sides of thorax the colour is dark brown. The sternum has a large peripheral band with a brownish colour. The rest of the sternum is yellowish with brown spots at the base of the bristles.

The abdomen is oval. It has a design on it as in Fig. 1. The desing is yellowish with brown spots and the two sides are dark

brown. Under the andomen the colour is brownish. Around the spinnerets there is a light yellowish band.

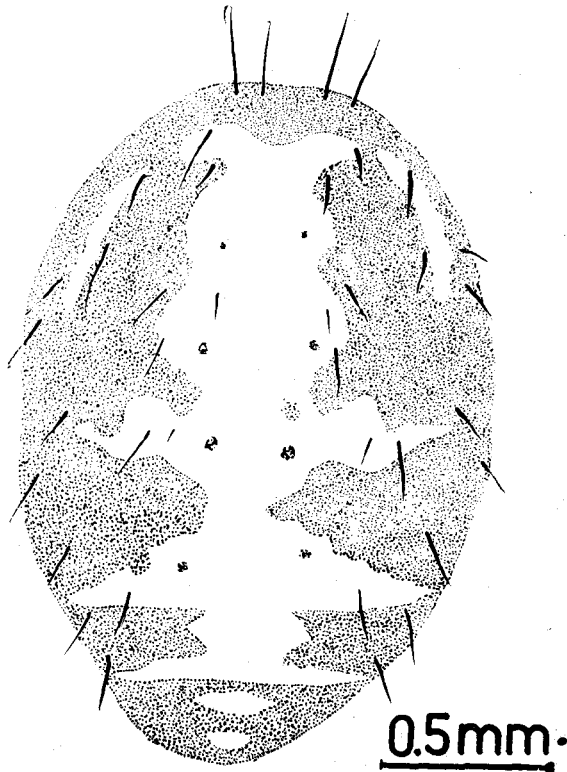


Fig. I.: *Xysticus turcicus* n. sp. Abdomen, dorsal view.

Legs: The two anterior pairs of legs are longer and more robust than that of the two posterior pairs. All the femurs have 4 spines on their superior faces. The femurs of the first pairs have 3 more spines on their anterior faces. These are arranged on one line. The two anterior tibiae have 3 pairs of spines and the two anterior metatarsals have 2 pairs of spines inferiorly. All the femurs, trochanters and the proximal 1/3 part of the tibiae are brown, and the remaining parts of the legs are yellowish. The femurs have two superior bands which are dark brown; and a third

band which is large and dark brown. These bands lay obliquely at the posterior sides of the femurs. The femurs of the two posterior pairs have one white band on the under-side. Coxas are light in colour and have two brownish bands.

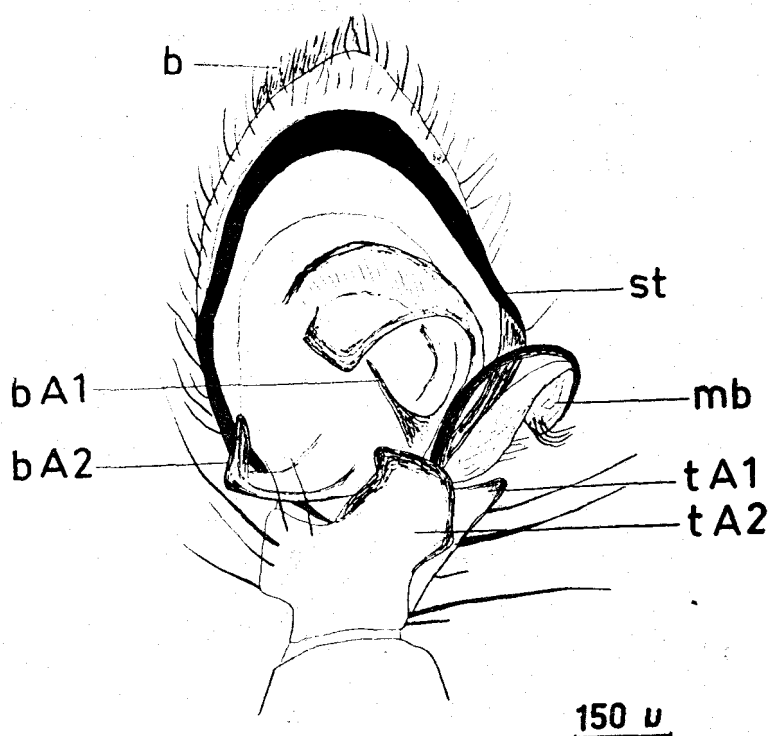


Fig. 2; *Xysticus turcicus* n. sp. Male pedipalp, ventral view, t. A1. First apophyse of tibia; t A2. Second apophyse of tibia; b A1. First apophyse of bulb; b A2. Second apophyse of bulb; st. Stylus; mb. Membraneous piece; b. Comb.

The tibia of the male pedipalp has two apophyses. Internal apophyse of the tibia (Fig. 2, tA 1; Fig. 3, tA 1) is short and finishes as a straight cut. External apophyse of the tibia (Fig. 2, tA 2; Fig. 3, tA 2) has a point exteriorly and it is also short. Tarsus of the male pedipalp is rather long. It is furnished with a bulb which also has two apophyses. One of them, the internal apophyse of the tarsus is thin, long, pointed and heavily

chitinised (Fig. 2, bA 1 ; Fig. 3, bA 1). The external apophyse of the tarsus is like a groove, larger and longer than the internal one, with a bent towards its edge which is also heavily chitinised (Fig. 2, bA 2 ; Fig. 3, bA 2). The stylus is very long (Fig. 2, st; Fig. 3, st); it starts at the external corner of the base of the tarsus, makes an ondulated circle around the bulb, turns outwards at the internal corner of the base of the tarsus, and makes another circle lateraly. This second circle is found around a membranous piece (Fig. 2, mb; Fig. 3, mb) which is roundish and slightly bent. There is an area constructed like a comb at the tip of the pedipalpal tarsus (Fig. 2, b; 3. b).

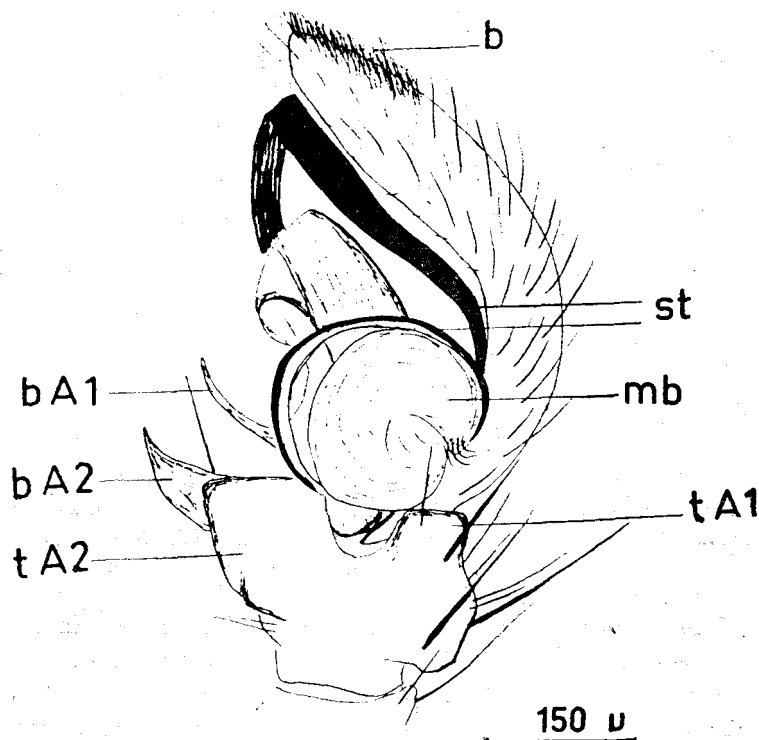


Fig. 3: *Xysticus turcicus* n. sp., Male pedipalp, lateral view. t A1. First apophyse of tibia; tA2. Second apophyse of tibia; bA1. First apophyse of bulb; tA2. Second apophyse of bulb; st. Stylus; mb. Membranous piece; b. Comb.

This small and rather beautiful species is found in the first group of E. SIMON (type: *Xysticus cristatus*).

I want to thank to Profs. T. Karadağ and S. Okay, from the Department of Zoology, University of Ankara for inspiring and encouraging to study the taxonomy of spiders in the National Museum in Paris.

My thanks are, also, due to Prof MAX VACHON, Head of the Laboratories of Arthropodes, National Museum of Natural History of Paris, for his permission to study my material in his laboratory, and to Mr. J.F. JÉZÉQUEL, arachnologist of the Museum, for his continual encouragement.

Özet: 1953 den beri yazar tarafından özellikle Ankara civarından toplanmakta olan örümcekler Paris Milli Tabiat Tarihi Müzesinde teşhis edilmişler ve yeni bir türün karakterleri ve genital organına ait resimlerle birlikte bir liste halinde verilmişlerdir.

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